

XXIX.—New Name for the Ostracod Crossophorus.
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A REVISION of the suborder Myodocopa has revealed that the ostracod *Crossophorus* Brady, 1880, is a junior homonym of the nematode *Crossophorus* Hemprich and Ehrenburg, 1828. The ostracod genus appears to be well-founded and distinct and accordingly a new name is proposed as follows:—

AZYGOCYPRIDINA, nom. nov.

pro *Crossophorus* Brady, 1880, p. 158; see also Brady and Norman, 1896, p. 643.

Derivation of name: ἀζυγός, "unyoked," + *Cypridina* (in reference to the absence of suctorial discs on the first antennæ).

Type-species: *Crossophorus imperator* Brady, 1880.

The taxonomic position of the genus has been discussed by Skogsberg, 1920, p. 196. The following is a list of species which have hitherto been assigned to the genus:—

- Azygocypridina imperator* (Brady, 1880).
- A. imperialis* (Stebbing, 1901).
- A. africanus* (Stebbing, 1901).
- A. gibber* (Müller, 1906).
- A. grimaldii* (Granata, 1919).

A. imperialis is doubtfully distinct from *A. imperator*.

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XXX.—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. 1950, ser. 12, vol. iii, p. 287].

Order CUCULIFORMES

Suborder MUSOPHAGI.

Family Musophagidæ.

870. *Tauraco persa* (Linn.).
Philopterus acuminatus † (Piaget), 1888. On *Turacus purpureus*, Trouessart Coll.
871. *Tauraco macrorhynchus* (Fraser).
Splendoroffula dispar (Piaget), 1885. On *Corythais Macrorhynchus* from Liberia.
872. *Tauraco* sp. ?
Splendoroffula forcipata (Piaget), 1885. On *Buceros albocristatus*, † Leyden Museum.
873. *Corythæola cristata* (Vieillot).
Splendoroffula corythæolæ Clay and Meinertzhagen, 1941. On *Corythæola cristata* (Vieill.) from Uganda.
Lipeurus opimus Piaget, 1885. On *Turacus giganteus*, Leyden Museum.
Turaceca scleroderma (Ewing), § 1930. On *Musophaga rossæ* from Ituri Forest, Belgian Congo.

* 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.

† A straggler.

‡ See Hopkins, 1944, pp. 224-226.

§ Listed under its correct host—see Hopkins (1942, p. 110).

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874. **Crinifer personata leopoldi** (Shelley).
Turacoeca bedfordi Thompson, 1938. On *Gymno-
 schizorhis leopoldi centralis* Neumann from Uganda.
- Suborder *CUCULI*.
 Family *Cuculidæ*.
 Subfamily *CUCULINÆ*.
875. **Clamator coromandus** (Linn.).
Philopterus coromandus (Rudow), 1869. On *locyzyz*
 (sic) *coromandus*.
876. **Cuculus canorus canorus** Linn.
Cuculiphilus fasciatus (Scopoli), 1763. On *Cuculus
 canorus*.
Cuculiphilus cuculi (Fabricius), 1775 (nom. nov. for
Pediculus fasciatus Scopoli). On *Cuculus canorus*.
Cuculiphilus phanero-stigmaton (Nitzsch), 1818 (nom.
 nov. for *Pediculus fasciatus* Scopoli). On *Cuculus
 canorus*.
Cuculiphilus phanero-stigma (Giebel), 1861 (nom.
 nov. for "Menopon" *phanero-stigmaton* Nitzsch.)
 On *Cuculus canorus*.
Cuculæcus latifrons (Denny), 1842. On *Cuculus
 canorus* from Britain.
Cuculicola latirostris (Burmeister), 1838. On *Cuculus
 canorus*.
Cuculicola cuculi (Denny), 1842. Same data.
Cuculicola fenestratus (Nitzsch), 1866. On *Cuculus
 canorus*.
877. **Cuculus canorus telephonus** Heine.
Cuculiphilus coromandus Uchida,* 1926. Straggler
 on *Entomothera coromanda major* from Japan.
878. **Cuculus saturatus horsfieldi** Moore.*
Cuculiphilus (fasciatus var.) hototogisu Uchida, 1926.
 On *Cuculus intermedius intermedius* from Pref.
 Nagano, Japan.
879. **Cacomantis pyrrophanus prionurus** (Lichtenstein).
Cuculæcus laticlypeatus (Piaget), 1871. On *Cuculus
 stabelliformis* † from Australia, Leyden Museum.

* Listed under its correct host—see Hopkins (1947, p. 103.)
 † Mathews (1927), Syst. Av. Australis, states that *Cacomantis prionurus*
 = *C. pyrrophanus* = "*C. stabelliformis*" of authors; not *Cuculus
 stabelliformis* Latham, which is indeterminate.

880. **Eudynamys scolopacea orientalis** (Linn.)
Eomenopon semilunaris (Piaget),* 1880. On *Cuculus
 orientalis*, Rotterdam Zoo.
881. **Eudynamys scolopacea corvina** Stresemann.
Cuculicola dilatofasciatus (Piaget), 1880. On
Eudynamys pictatus from Ternate I. (E. Indies),
 Leyden Museum.
882. **Scythrops novæhollandiæ** Latham.
Cuculiphilus platygaster (Giebel), 1874. On *Scythrops
 novæhollandiæ*.
Philopterus acutus (Rudow), 1870. On *Scythrops
 novæhollandiæ*.
Cuculæcus obcordatus (Piaget), 1871. On *Scythrops
 n. hollandiæ*, Leyden Museum.
Cuculicola chelurus (Nitzsch), 1874. On *Scythrops
 novæhollandiæ*.
Cuculicola lipeuriformis (Rudow), 1869. On *Scythrops
 novæhollandiæ*.

Subfamily PHÆNICOPHÆINÆ.

883. **Coccyzus americanus americanus** (Linn.).
Cuculæcus coccygi (Osborn), 1896. On Yellow-billed
 Cuckoo from Nebraska, U.S.A.
884. **Coccyzus americanus occidentalis** Ridgway.
Cuculæcus (latifrons var.) occidentalis (Kellogg),
 1899 (nec 1896). On *Coccyzus americanus occiden-
 talis* from Baja, California.
Cuculiphilus decoratus (Kellogg), 1896. † Straggler
 on *Elanus leucurus* from Palo Alto, California.
885. **Coccyzus melacoryphus** Vieillot.
Cuculiphilus snodgrassi (Kellogg and Kuwana), 1902.
 On *Coccyzus melanocoryphus* from Chatham I.,
 Galapagos Is.
Cuculiphilus galapagensis (Kellogg and Kuwana),
 1902. ‡ Stragglers on *Geospiza conirostris* and
Nesomimus macdonaldi from Hood I., Galapagos Is.

* Straggler from Psittaciformes, see 869.

† See 277 and Emerson, 1949, p. 90.

‡ See Emerson, 1949, p. 91.

886. *Rhamphococcyx calyculatus* (Temminck).
Ardeicola equalis (Piaget). * 1880. On *Phanicrophorus*
calyculatus from Celebes. Leyden Museum.

Subfamily CROTOPHAGINÆ.

887. *Crotophaga ani* Linn.
Osborniella crotophagæ (Stafford), 1943. On *Crotophaga ani* from Venezuela.
Vernoniella guimaræsi Thompson, 1948. On *Crotophaga ani* Linn. from Central Ramon, Cuba.
888. *Crotophaga sulcirostris* Swainson.
Vernoniella crotophagæ (McGregor), 1917. On *Crotophaga sulcirostris* from Mexico.
Vernoniella macgregori (Kellogg), 1899. On *Crotophaga sulcirostris* from Panama.
889. *Guira guira* (Gmelin).
Osborniella guirænsis (Kellogg), 1906. On *Guira guira* from Argentina.
Vernoniella bergi (Kellogg), 1906. Same data.

Subfamily NEOMORPHINÆ.

890. *Tapera nævia* (Linn.).
Degeeriella sculpta (Kolenati), 1858. On *Diplapterus nævius*.†
891. *Neomorphus geoffroyi* (Temminck).
Colpocephalum commune Rudow, 1866. On *Neomorphus cultridens*.‡

Subfamily COUINÆ.

892. *Coua serriana* Pucheran.
Degeeriella goniodes Piaget, 1880.§ On *Coua serriana* from Madagascar, Leyden Museum.

* Straggler from Ciconiiforme.

† Kolenati gives 'East Indies' for the locality of this host but it is S. America.

‡ Also alleged to be from *Halizus brasiliensis* (= *Phalacrocorax o. olivaceus* (Humboldt))—see 129.

§ Straggler.

Subfamily CENTROPODINÆ.

893. *Centropus menbeki* Lesson and Garnot.
Lipeurus falcicornis Giebel, 1874. On *Centropus menbeki*.
894. *Centropus sinensis sinensis* (Stephens).
Cuculiphilus (coromandus var.) centropi Qadri, 1935.
 On *Centropus sinensis* from North-India.
895. *Centropus sinensis eurycercus* Blyth.
Ricinus tinctus Harrison, 1916* (*nom. nov.* for *thoracicus* Piaget, 1880, *nec* Packard, 1870). On *Centropus eurycercus* from Sumatra.
896. Described from Stragglers on other hosts.
Cuculiphilus interpolatus (Piaget), 1880. Host unknown (see Clay, 1949, p. 834).

Order STRIGIFORMES.

Family Tytonidæ.

Subfamily TYTONINÆ.

897. *Tyto alba alba* (Scopoli).
Kurodaia subpachygaster (Piaget), 1880 (part; see 905, 906). On *Strix flammea*.
Strigiphilus rostratus (Burmeister), 1838. On *Strix flammea*.
Degeeriella angulata (Piaget), † 1880. On *Strix flammea*, Rotterdam Zoo.
898. *Tyto alba tuidara* (J. E. Gray).
Strigiphilus virgo (Giebel), 1871. On the Brazilian *Strix superciliaris*.‡

* Straggler from Passerine.

† Straggler.

‡ *Strix superciliaris* Vieillot (= *Ninox superciliaris* (Vieillot)) is a Madagascan bird and Peters (1940) gives? *Strix supersiliaris* "Natterer" Pelzeln, 1863, from Matto Grosso as a synonym of *Tyto alba tuidara* (J. E. Gray). *Strix superciliaris* may be *Syrnium superciliare* "Natterer" Pelzeln from Brazil, in which case the host is *Ciccaba virgata superciliata* (Pelzeln). Giebel definitely says that the host was Brazilian and it seems more likely that he made a slip in the name than in the locality.

Family **Strigidae**.Subfamily **BUBONINÆ**.

899. **Otus asio macallii** (Cassin).
Kurodaia painei (McGregor), 1912. On Screech Owl, *Otus asio macalli* from Texas.
900. **Bubo virginianus virginianus** (Gmelin).
Strigiphilus bubonis (Osborn), 1896. On *Bubo virginianus* from Pennsylvania (Cassino Coll.).
Strigiphilus oculatus (Rudow), 1870. On *Bubo virginianus*.
901. **Bubo bubo** (Linn.).
Kurodaia longipes (Giebel), 1874. On *Strix bubo*.
902. **Pulsatrix perspicillata** (Latham).
Menopon crassiceps Piaget, 1885. On *Pulsatrix torquata*, Hyslop coll.
Menopon elongatum Piaget, 1885. Same data.
903. **Nyctea scandiaca** (Linn.).
Strigiphilus strigis (O. Fabricius), 1780 (*nec* J. C. Fabricius, 1775). On *Strix nyctea* from Greenland.
Strigiphilus ceblebrachys (Denny), 1842. On Snowy Owl (*Surnia nyctea*) from England.
Ornithobius hexophthalmus* (Nitzsch), 1861. On *Strix nyctea*.
904. **Surnia ulula** (Linn.).
Strigiphilus crenulatus (Giebel), 1874. On *Strix nisoria*.
905. **Glaucidium passerinum** (Linn.).
Kurodaia subpachygaster (Piaget), 1880 (part, see 897, 906). On *Strix passerina*.
Strigiphilus splendens (Giebel), 1874. On *Strix pygmaea*.
Strigiphilus cursitans (Nitzsch), 1861. On *Strix passerina*.
906. **Athene noctua** (Scopoli).
Kurodaia cryptostigmatia (Nitzsch), 1861. On *Strix passerina*.†

* See Hopkins, 1949, p. 48—true host *Branta leucopsis* (Bechstein).
—See 229.

† See Clay, 1949, p. 897.

- Kurodaia (longipes var.) minor Piaget, 1880 (p. 420 *nec* p. 418). On *Strix noctua*.
- Kurodaia subpachygaster (Piaget), 1880 (part; see 897, 905). On *Str. noctua*.
907. **Athene noctua noctua** (Scopoli).
Kurodaia xairido (Eichler), 1943. On *Athene noctua noctua*.
908. **Athene noctua vidalii** A. E. Brehm.
Strigiphilus castaneus (Fresca), 1923. On *Noctua minor** from Spain.
909. **Athene noctua glaux** (Savigny).
Strigiphilus athene (Mjöberg), 1910. On *Carine meridionalis* ("Die Mittelmeerform von *Athene noctua*") from Egypt.
910. **Athene brama indica** (Franklin).
Strigiphilus bramæ (Qadri), 1935. On Common Spotted Owlet, *Athene brama* from North India.
911. **Speotyto cunicularia hypogæa** (Bonaparte).
Kurodaia pectinata (Osborn), 1902. On *Speotyto cunicularia hypogæa* from Nebraska.
Strigiphilus speotyti (Osborn), 1896. On Burrowing Owl, *Speotyto cunicularia hypogæa* from Nebraska and Colorado.

Subfamily **STRIGINÆ**.

912. **Strix aluco** Linn.
Læmbothrion nocturnum Giebel, 1874. On *Strix aluco*, Klautsch Coll.
913. **Strix nebulosa** J. R. Forster.
Strigiphilus remotus (Kellogg and Chapman), 1899. On Great Gray Owl, *Scotioptex cinerea* from Washington, U.S.A.
Strigiphilus syrni (Packard), 1872. On *Syrnium nebulosum* from Locust Grove, New York.
914. **Strix uralensis** Pallas.
Strigiphilus heterocerus (Grube), 1851. On *Strix uralensis* from Petersburg.

* This might be interpreted as *Asio f. flammeus* (Pontoppidan) but Pflieger (1924, p. 46) says Fresca's species is the same as *cursitans* Nitzsch which would make the host as interpreted here the most likely one.

915. **Asio flammeus** (Pontoppidan).
Colpocephalum brachysomum Kellogg and Chapman, 1902.* On *Asio accipitrinus* (sic) from Hawaii.
Strigiphilus cursor (Burmeister), 1838. On *Strix brachyotus*.
Strigiphilus nudipes (Piaget), 1880. On *Brachyotus otus* (*Strix brachyotus*), Rotterdam Zoo.
916. **Ægolius funereus** (Linn.).
Strigiphilus pallidus (Giebel), 1874. On *Strix tengmalmi*.
Strigiphilus clypeatus (Mjöberg), 1910. On *Strix tengmalmi* from "Winterstation der Vega" [Arctica].

Order CAPRIMULGIFORMES.

Suborder CAPRIMULGI.

Family Caprimulgidae.

Subfamily CHORDEILINÆ.

917. **Chordeiles minor henryi** Cassin.
Muleticola macrocephalus (Kellogg), 1896. On *Chordeiles virginianus henryi* from California, U.S.A.
918. **Podager nacunda minor** Cory.
Muleticola † nacunda nacunda Carriker, 1945. On *Podager nacunda minor* from Maicao, La Goajira, Columbia.
919. **Podager nacunda nacunda** (Vieillot).
Muleticola † tenuiceps Carriker, 1945. On *Podager n. nacunda* from Todos Santos, Rio Chaparé, Bolivia.

Subfamily CAPRIMULGINÆ.

920. **Caprimulgus europæus** Linn.
Muleticola hypoleucus (Denny), 1842. On *Caprimulgus europæus* from Britain.
Philopterus macropus (Giebel), 1874. ‡ *Caprimulgus europæus*.

* And straggler on *Caradrius* (sic) *dominicus fulvus*.

† The generic name is given incorrectly by Carriker in his paper (1945).

‡ Straggler.

921. **Caprimulgidae** ? sp.
Muleticola * nacunda peruvianus Carriker, † 1945.
On *Buteo magnirostris occidua* from San Juan, Chanchamayo, Peru.

Order APODIFORMES.

Suborder APODI.

Family Apodidae.

Subfamily CHÆTURINÆ.

922. **Collocalia spodiopygia reichenowi** Stresemann.
Dennyus francicus Thompson, 1941. On *Collocalia francica reichenowi* Stres. from British Solomon Is.
923. **Collocalia esculenta stresemanni** Rothschild and Hartert.
Eureum salangane Eichler, 1942. On *Collocalia esculenta stresemanni* Roths. and Hart., from Bismark Archipelago.
924. **Collocalia** sp. ?
Eureum mumfordi Thompson, 1941. On *Collocalia* sp. from New Hebrides.
Dennyus distinctus Ferris, 1916. On *Collocalia* sp. from Java.
925. **Hirund-apus caudacutus caudacutus** (Latham).
Dennyus major (Uchida), 1926. On *Hirundapus caudacutus caudacutus* from Pref. Nagano, Japan.
926. **Chætura pelagica** (Linn.)
Eureum ewingi Eichler, 1942 (*nom. nov.* for *cinnocoides* Ewing, 1930 *nec* Burmeister, 1838). On *Chætura pelagica* from Ohio, U.S.A.
Dennyus dubius (Kellogg), 1896. On *Chætura pelagica* from Kansas, U.S.A.
927. **Chætura richmondi richmondi** Ridgway.
Dennyus richmondi Ewing, 1930. On *Chætura richmondi* from Nicaragua.

* The generic name is given incorrectly by Carriker in his paper (1945).
† Carriker (1945, pp. 174-176) states that this is definitely a straggler and that the true host is a species of Caprimulgidae (Goatsucker).

928. *Chaetura cinereiventris phæopygos* Hellmayr.
Dennyus meridionalis Carriker, 1903. On *Chaetura griseiventris* from Pozo Azul, Costa Rica.
929. *Nephoecetes niger borealis* (Kennerly).
Dennyus spiniger Ewing, 1930. On *Cypseloides niger borealis* from Seattle, Washington, U.S.A.

Subfamily APODINÆ.

930. *Apus apus apus* (Linn.).
Menacanthus parvulus (Piaget),* 1880. On *Cypselus apus*.
Eureum cimicoides Burmeister, 1838. On *Cypselus apus*.
Dennyus truncatus (Olfers), 1816. On *Cypselus apus*.
Dennyus burmeisteri (Denny), 1842. On *Cypselus apus* from Britain.
Dennyus pulicaris (Nitzsch), 1861. On *Cypselus apus*.
Dennyus tibialis (Piaget), 1880. On *Cypselus mura-rius (apus)*.
931. *Apus affinis affinis* (J. E. Gray).
Dennyus minor (Kellogg and Paine), 1914. On *Cypselus affinis* from Calcutta, India.
932. *Apus andecolus andecolus* (d'Orbigny and Lafresnaye).
Dennyus australis Ewing, 1930. On *Micropus andecola* from Argentina.
933. *Aëronautes saxatilis saxatilis* (Woodhouse).
Dennyus bruneri (Carriker), 1903 (*nom. nov.* for *tibialis* Carriker, 1902 *nec* Piaget, 1880). On *Aëronautes melanoleucus* from Nebraska, U.S.A.
934. *Tachornis phænicobia phænicobia* Gosse.
Dennyus gossei Thompson, 1948. On *Tachornis phænicobia* Gosse from Long Mountain, St. Andrew, Jamaica.
935. *Cypsiurus parvus balasiensis* (J. E. Gray).
Dennyus cypsiuris Thompson, 1948. On *Cypsiurus parvus balasiensis* (J. E. Gray) from Mousakande, Gammaduwa, Ceylon.

* Stagglar.

Suborder TROCHILI.

Family Trochilidæ.

936. *Thalurania furcata furcatoides* Gould.
Trochilœcetes emeliæ Paine and Mann, 1913. On *Thalurania furcatoides* Gould from Obidos, Brazil.
937. *Amazilia tzacatl* (De la Llave).
Trochilœcetes jiminezi (Carriker), 1903 (part; see 940). On *Amizillis tzacatl* from Juan Vinas.
938. *Archilochus colubris* (Linn.).
Trochilœcetes lineatum (Osborn), 1896. On *Trochilus colubris* Linn. (Ruby-throated humming bird), Cornell Univ. Coll.
939. *Calypte anna* (Lesson).
Degeeriella eustigma (Kellogg), 1896. On *Trochilus anna* from Palo Alto, California.
940. *Calapte costæ* (Bourcier).
Trochilœcetes prominens (Kellogg and Chapman), 1899. On *Calypte costæ* from Ontario, California.
941. *Selasphorus flammula* Salvin.
Trochilœcetes doratophorus (Carriker), 1903. On *Selasphorus flammula* from Volcano Trazu, Costa Rica.
Trochilœcetes jiminezi (Carriker), 1903 (part; see 936). On *Selasphorus flammula* from Volcano Irazu, Costa Rica.
942. *Selasphorus rufus* (Gmelin).
(?) *Bruëlia snodgrassi* (Kellogg),* 1896. On *Trochilus rufus* (Red-backed Rufous humming bird), from Palo Alto, California.
Trochilœcetes ochoterenai Zavaleta, 1943. On *Selasphorus rufus* from Mexico.

Order COLIIFORMES.

Family Coliidae.

943. *Colius ? striatus hilgerti* Zedlitz.†
Colimenopon hamatus (Neumann), 1912. On "Oiseau indéterminé" from Harar, Abyssinia (in company with *Colilipeurus radiatus*).

* Probably straggler.

† This is the commonest member of the family Coliidae in the area where the specimens were collected, but they may possibly have come from *Colius macrourus macrourus* (Linn.).

Colilipeurus (*radiatus* subsp.) nun (Neumann), 1912. Straggler on *Ploceus abyssinicus* from Harar, Abyssinia.

Colilipeurus radiatus (Neumann), 1912. On "Oiseau indéterminé" from Harar, Abyssinia.

944. ***Colius indicus transvaalensis*** Roberts.

Colimenopon urocolius (Bedford), 1930. On *Urocolius indicus transvaalensis* from Zululand and Transvaal. *Colilipeurus colius* (Bedford), 1920. On *Colius indicus* from Transvaal.

Order TROGONIFORMES.

Family Trogonidæ.

945. ***Trogon surrucura aurantius*** Spix.

Trogoninirmus odontopleuron (Guimarães), 1944. On *Trogonurus aurantius* (Spix), from São José, Est. Espirito Santo, Brasil.

946. ***Trogon violaceus caligatus*** Gould.

Trogoninirmus hastiformis (Carriker), 1903. On *Trogon caligatus* from Juan Vinas, Costa Rica.

947. ***Trogon*** (s. l.) sp.

Trogoninirmus sulphureus (Giebel), 1876. On *Trogon* sp. from S. America.

Order CORACIIFORMES.

Suborder ALCEDINES.

Superfamily ALCEDINOIDEA.

Family Alcedinidæ.

Subfamily CERYLINÆ.

948. ***Ceryle alcyon alcyon*** (Linn.).

Colpocephalum subpustulatum Carriker, 1910. On *Ceryle alcyon* from Michigan, U.S.A.

949. ***Ceryle rudis rudis*** (Linn.).

Alcedoffula cerylinus (Mjöberg), 1910. On *Ceryle rudis* from Khartoum.

Alcedoffula duplicatus (Piaget), 1890. On *Ceryla* (sic) *rudis*, Leyden Museum.

Subfamily ALCEDININÆ.

950. ***Alcedo atthis ispida*** Linn.

Alcedoffula alcedinis (Denny), 1842. On *Alcedo ispida* from Britain.

Alcedoffula cephaloxys (Nitzsch), 1866. On *Alcedo ispida*.

Subfamily DACELONINÆ.

951. ***Pelargopsis capensis cyanopteryx*** (Oberholser).

Alcedæcus sumatranus Eichler, 1944. On *Pelargopsis gurali fraseri* Sharpe from Laboran Deli, Sumatra.

952. ***Dacelo novæguineæ novæguineæ*** (Hermann).

Menacanthus infumatum (Piaget), 1885. On *Dacelo gigas*, * Leyden Museum.

Alcedæcus delphax (Giebel), 1866. On *Dacelo giganteus*.

Alcedoffula bracteata (Giebel), 1866. On *Dacelo gigantea*.

Degeeriella goniocotes (Piaget), 1885. On *Dacelo gigas*, * Leyden Museum.

953. ***Halcyon coromanda*** (Latham).

Alcedæcus mystacinus (Nitzsch), 1866. On *Alcedo coromanda*.

954. ***Halcyon leucocephala leucocephala*** (P. L. S. Müller).

Alcedæcus capistratus (Neumann), 1912. On *Halcyon semicæruleus* † from South Abyssinia.

955. ***Halcyon malimbica*** (Shaw).

Alcedæcus alatoclypeatus (Piaget), 1885. On *Dacelo cinereifrons*, Leyden Museum.

956. ***Halcyon chloris*** (Boddaert).

Alcedæcus latigenitalis Eichler, 1944. On *Halcyon chloris* (Scopoli) from Laboran Deli, Sumatra.

957. ***Halcyon princeps*** (Reichenbach).

Sturnidæcus (*leontodon* var.) *femoratus* ‡ (Piaget), 1880. On *Dacelo princeps*, Leyden Museum.

* Piaget gives the locality of this host as Madagascar. Unless from captive bird, either host or locality must be wrong. *D. gigas* is confined to Australia.

† This form is confined to Yemen and the Aden Protectorate.

‡ Straggler from Starling.

Superfamily **MOMOTOIDEA**.Family **Momotidæ**.

958. **Momotus mexicanus** Swainson.
Clayiella dennyii (Ponton), 1871. On *Prismites*
(sic) *mexicanus*.
959. **Momotus momota** (Linn.).
Degeeriella marginella (Giebel), 1866. On *Prionites*
momota.
Clayiella schulzkampfhenkeli Eichler, 1940. On
Momotus momotus Linn. from Brazil.
960. **Momotus momota lessonii** Lesson.
Trichodopeostus aculeatus (Piaget),* 1880. On
Momotes (sic) *lessoni*, Leyden Museum.
961. **Momotus momota bahamensis** (Swainson).
Clayiella prionitis (Denny), 1841. On *Prionites*
bahamensis.
962. **Momotus momota** ? subsp.
Psittacomenopon pachypus (Piaget),† 1890. On
Prionites brasiliensis, Trouessart coll.

Suborder **MEROPES**.Family **Meropidæ**.

963. **Melittophagus pusillus pusillus** (P. L. S. Müller).
Meropæcus debeauxi Conci, 1941. On *Melittophagus*
pusillus P. L. S. Müller from Bissau, Portuguese
Guinea.
Meropsiella erythropteri (Piaget), 1885. On *Merops*
erythropterus, Leyden Museum.
964. **Merops apiaster** Linn.
Meromenopon meropis Clay and Meinertzhagen,
1941. On *Merops apiaster* Linn. from Afghanistan.
Meromenopon rarum (Conci), 1941. On *Merops*
apiaster from Genoa.
Meropæcus meropis (Denny), 1842. On *Merops*
apiaster from Belfast, Ireland.
Meropæcus bifrons (Nitzsch), 1866. On *Merops*
apiaster, Kollar Coll.
Meropsiella apiastri (Denny), 1842. On *Merops*
apiaster from Belfast, Ireland.

* Straggler from Tinamou—see No. 19.

† Straggler.

965. **Merops orientalis** Latham.
Meropæcus caprai Conci, 1941. On *Merops viridis* L.
from "Isola Elefanta (Bombay)".

Suborder **CORACII**.Family **Coraciidæ**.Subfamily **BRACHYPTERACINÆ**.

966. **Brachypteracias leptosomus** (Lesson).
Philopterus longiceps (Piaget), 1880. On *Brachyp-*
teracias leptosomus from Madagascar, Leyden
Museum.

Subfamily **CORACINÆ**.

967. **Coracias garrulus garrulus** Linn.
Meromenopon incisum (Giebel), 1866. On *Coracias*
garrulus Linn.
Meromenopon virgo (Giebel), 1874. (See Hopkins,
1944, p. 230.)
Capraiella subcuspidata (Burmeister), 1838. On
Coracias garrula.
968. **Coracias temminckii** (Vieillot).
Capraiella piageti Eichler, 1943 (*nom. nov.* for *Nirmus*
subcuspidatus Piaget, 1880 *nec* Burmeister, 1838).
On *Coracias (Eurystomus) temminckii*, Leyden
Museum.
969. **Eurystomus glaucurus afer** (Latham).
Degeeriella arca (Piaget), 1885. On *Eurystomus afer*,
Leyden Museum.

Family **Upupidæ**.

970. **Upupa epops epops** Linn.
Menopon upupæ Séguy, 1944. On *Upupa epops* L.
from France.
Menacanthus fertilis (Nitzsch), 1866. On *Upupa*
epops.
Upupicola upupæ (Denny), 1842. On *Upupa epops*
from England.
Upupicola upupæ (Schrank), 1803. On "Wiede-
hopfe" from Bavaria.
Upupicola melanophrys (Nitzsch), 1866. On *Upupa*
epops.

Family *Phoeniculidae*971 *Phoeniculus bollei jacksoni* (Sharpe)

Hopkinsiella hopkinsi Clay and Meinertzhagen, 1939.
On *Phoeniculus bollei jacksoni*, Wood Hoopoe from

Kenya Colony, E. Africa.

Odoriphila phoeniculi Clay and Meinertzhagen, 1941.
On *Phoeniculus bollei jacksoni* (Sharpe) from Kenya.

Suborder *BUCEROTES*.Family *Bucerotidae*.

972. *Toxokus fasciatus semifasciatus* (Hartlaub).
Paroncoporus latifrons (Piaget), 1885. On *Buceros semifasciatus*, Leyden Museum.
Buceronirmus albipes (Piaget), 1885. Same data.
973. *Toxokus erythrorhynchus* (Temminck).
Lipeurus saturator Piaget,* 1888. On *Toxokus erythrorhynchus*.
974. *Toxokus flavirostris leucomelas* (Lichtenstein).
Chapinia lophocerum (Bedford), 1920. On *Lophoceros leucomelas* † from Rustenberg District, Transvaal.
975. *Penelopides panini manilloe* (Boddaert).
Paroncoporus hamatofasciatus (Piaget), 1888. On *Penelopides manilla*, Trouessart Coll.
Buceronirmus grandiceps (Piaget), 1888. Same data.
976. *Aceros nipalensis* (Hodgson).
Paroncoporus (cephalotes var.) major (Piaget), 1885. On *Buceros nepalensis*, Leyden Museum.
Buceronirmus zonatus (Piaget), 1881. On *Buceros nepalensis*.
977. *Aceros cassidix* (Temminck).
Degeeriella coniceps (Piaget), 1880. On *Buceros cassidix*, Leyden Museum.
978. *Aceros plicatus ruficollis* (Vieillot).
Bucerophagus hirtus (Rudow), 1866. On *Buceros ruficollis*.
Paroncoporus javanicus (Rudow), 1869. On *Buceros ruficollis* (sic) from Java.

* Probably a straggler.

† Hopkins (1941, p. 286) designated type-host by selecting a lectotype.

979. *Anthracoeceros malabaricus* (Gmelin).
Chapinia acutovulvata (Piaget), 1881. On *Buceros malabaricus*.
980. *Anthracoeceros cononatus convexus* (Temminck).
Chapinia mjöbergi (Eichler), 1947. On *Anthracoeceros convexus* from Sumatra.
981. *Bycanistes bucinator sharpii* (Elliot).
Buceronirmus taurus (Giebel), 1876. On *Buceros leucopygus*.
Paroncoporus pachynemesis (Giebel), 1876. Same data.
982. *Bycanistes subcylindricus subquadratus* Cabanis.
Buceronirmus longicuneatus Hopkins, 1941. On *Bycanistes subcylindricus subquadratus* Cabanis (Black-and-white-casqued Hornbill) from Kampala, Uganda.
983. *Bycanistes brevis* Friedmann.
Chapinia bucerotis (Kellogg), 1910. On *Bycanistes cristatus* from Tanganyika.
984. *Ceratogymna atrata* (Temminck).
Chapinia robusta Ewing, 1927. On *Ceratogymna atrata* from Nytonga, Congo, Africa.
985. *Buceros rhinoceros* Linn.
Paroncoporus cephalotes (Nitzsch), 1866. On *Buceros rhinoceros*.
Bucerophagus forcipatus (Nitzsch), 1874. Same data.
986. *Buceros bicornis* Linn.
Ardeicola porrectum (Piaget),* 1889. On *Buceros bicornis*, Trouessart coll.
987. *Bucorvus abyssinicus* (Boddaert).
Bucerophagus productus (Burmeister), 1838. On *Buceros abyssinicus*.
Lipeurus docophorus (Giebel), 1874. On *Buceros abyssinicus*.
988. *Bucorvus leadbeateri* (Vigors).
Bucerophagus africanus (Bedford), 1929. On *Bucorvus schlegeli* Roberts from Gruut Schoor, † Capetown, South Africa.

* Straggler.

† Type locality restricted by Hopkins (1941, p. 286).

989. Hornbill.

Buceronirmus arcellus (Piaget), 1885. On *Agelastes meleagrides*, Leyden Museum. (See 525.)

990. ? ?

Degeeriella temporalis (Piaget), 1888. On *Buceros manillensis*.*

XXXI.—*New Reduviidæ in the Collection of the British Museum (Natural History)*.—II. By N. C. E. MILLER, F.R.E.S., F.Z.S., F.E.S.S.A. (Commonwealth Institute of Entomology).

STENOPODINÆ.

Argolis moniliatus, sp. n. (Fig. 1.)

Colour.—Black, except rostrum, sterna, abdomen ventrally, femora piceous; tibiæ and tarsi brown. External face of rostrum, antennal tubercles pale testaceous. Abdomen dorsally, except connexivum, light brown. Apical half of clavus and area between claval suture and membrane testaceous. Discal cell of corium with a dark brown spot. Pubescence white.

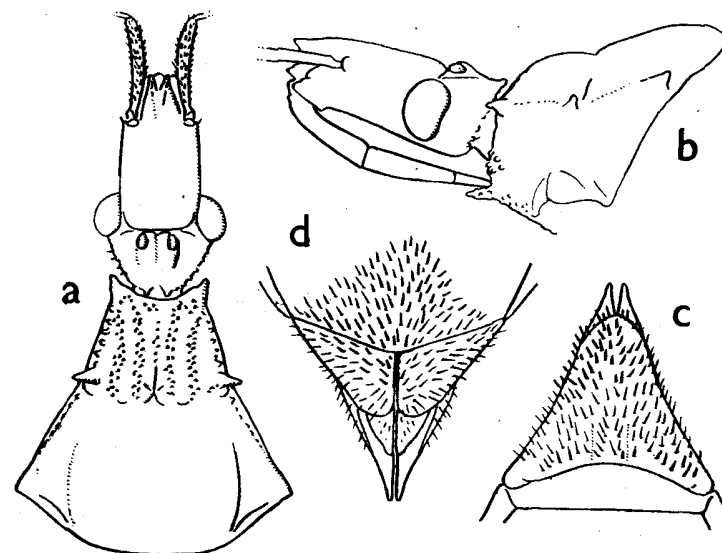
Structure.—Segment 1 of antennæ curved, somewhat thicker in apical half, with short, sub-recumbent setæ, 1.30 mm.; segment 2 with sparse, short setæ, 2.00 mm.; segment 3, 0.50 mm.; segment 4 missing. Head and pronotum with linear areas of short, adpressed setæ. Ocelli large, widely separated; ocellar interspace about twice the width of an ocellus; lateral. Interantennal projections from the side acutely triangular with the apex narrowly rounded. Head with scattered, low, rounded tubercles. Sub-basal lateral projection on anterior lobe of pronotum sub-cylindrical, rounded apically. Scutellum rugose, tuberculate; apical projection horizontal, irregularly constricted, rounded apically. Abdomen dorsally transversely rugose; connexivum also with rounded tubercles and with external margin minutely tuberculate; ventrally transversely striate and with robust setæ which

* Host indeterminate—true host probably a Hawk.

are most abundant on apical segments. Hemelytra extending to base of eighth abdominal segment.

Total length	17.00 mm.
Hemelytra	9.50 mm.
Greatest pronotal width	3.10 mm.

Fig. 1.



Argolis moniliatus, sp. n.

(a) Head and pronotum, dorsal view. (b) Head and pronotum, lateral view. (c) Apex of abdomen, dorsal view. (d) Apex of abdomen, ventral view.

1 ♀ (type), Uganda Prot., Southern Toro, Mbarara, Ft. Portal road, 3800–4200 ft., 22–24 Oct. 1911, S. A. Neave. (B.M. 1912–193.)

Allied to *A. proxima* Schout., from which it differs in coloration, more acute interantennal spines, longer and more acute lateral spines on anterior lobe of pronotum, angulate, but not spinous posterior lateral angles, more strongly tuberculate lobes of pronotum, longer hemelytra and in the genitalia.