

THE VERNON L. KELLOGG MALLOPHAGA TYPE MATERIAL
IN THE CORNELL UNIVERSITY COLLECTION

K. C. EMERSON, *Stillwater, Oklahoma*

Through the courtesy and assistance of Mr. Robert C. Dalglish, I have examined 47 slides of Mallophaga given to Cornell University by Vernon L. Kellogg. In 1958, a report on the specimens given to the University of Kansas was published; and in 1961, a report on the specimens given to the USNM was published. These collections are of significance because Kellogg did not designate a holotype or type, but considered all material examined as cotypes. In some instances, the series he examined contained specimens from several hosts and are known to contain more than one species of Mallophaga. When genera are revised, and when the type series are found, lectotypes are being designated which assists greatly in stabilizing the Kellogg names.

In this paper, all specimens conspecific with the lectotype are accepted as syntypes. Specimens not conspecific with the lectotype are regarded as no longer being syntypes. If a lectotype has not been designated, all specimens listed by Kellogg are considered to still be syntypes.

In the Cornell University Collection of 47 slides, many have "cotype" labels which were added by someone other than Kellogg. These apparently were added without reference to the original descriptions, since there are many obvious errors. All specimens were remounted by Dr. F. H. Wilson several years ago. He preserved the original labels, but in at least one instance apparently made an error in remounting. The specimens are presently mounted in permanent media, but are uncleared. Detailed study needed for revision will require clearing and remounting.

Colpocephalum osborni Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 521, pl. 71, figs. 2 and 3.

Slide without a number. One male and one female syntype with label "*Colpocephalum osborni* Kellogg, From *Elanus glaucus*, Palo Alto, Cal., V. L. Kellogg, Stanford."

Present status.—As originally described.

Docophorus atricolor Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 93, pl. 3, fig. 9.

Slide number 21. Two female syntypes with label "*Docophorus atricolor* Kellogg, From *Synthliborhampus antiquus*, Monterey Bay, Cal., V. L. Kellogg, Stanford." Lectotype, designated by Carriker (1957), is on slide 63a in the Stanford University Collection.

Present status.—A synonym of *Craspedonirmus colymbinus* (Denny, 1842).

Docophorus californiensis Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 483, pl. 66, fig. 6

Slide number 407a. Two male syntypes with label "*Docophorus californiensis* Kell., From *Melanerpes formicivorus bairdi*, Palo Alto, Cal., V. L. Kellogg, Stan-

ford." Lectotype, designated by Carriker (1957), is on slide 361a in the Stanford University Collection.

Present status.—*Penenirmus auritus californiensis* (Kellogg, 1896).

Docophorus calvus Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 79, pl. 3, fig. 1.

Slide number 30A. One syntype female with label "Docophorus calvus K., From *Uria troile californica*, Monterey Bay, Cal., V. L. Kellogg, Stanford." Kellogg mentioned only one female in the description. The USNM has a female on slide 64968 with the same data as given above. It is possible that Kellogg failed to record correctly the number of specimens since the data for each agree with the data given in the description. The female on USNM slide 64968 is herewith designated lectotype.

Present status.—*Saemundssonina calva* (Kellogg, 1896).

Docophorus distinctus Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 477, pl. 65, fig. 5.

Slide number 486. One immature syntype with label "Docophorus distinctus Kell., From *Corvus corax sinatus*, Colorado, V. L. Kellogg, Stanford."

Present status.—A synonym of *Philoaterus corvi* (Linnaeus, 1758).

Docophorus excisus major Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 490.

Slide number 612. Two male syntypes with label "Docophorus excisus Nitz. var. major Kellogg, From *Petrochelidon lunifrons*, Palo Alto, Calif., V. L. Kellogg, Stanford." Lectotype, designated by Carriker (1957), is on slide 372a in the Stanford University Collection.

Present status.—*Philoaterus excisus major* (Kellogg, 1896).

Docophorus graviceps Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 82, pl. 3, fig. 3.

Slide number 10. One male and one female syntype with label "Docophorus graviceps K., From *Urinator pacificus*, Bay of Monterey, Cal., V. L. Kellogg, Stanford." Lectotype, designated by Carriker (1957), is on slide 125b in the Stanford University Collection.

Present status.—A synonym of *Craspedonirmus colymbinus* (Denny, 1842).

Docophorus insolitus Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 94, pl. 4, fig. 5.

Slide number 16. One female and one immature syntype with label "Docophorus insolitus Kellogg, From *Ptychoramphus aleuticus*, Monterey Bay, Cal., V. L. Kellogg, Stanford." Lectotype, designated by Carriker (1957), is on slide 163c in the Stanford University Collection.

Present status.—*Saemundssonina insolita* (Kellogg, 1896).

Docophorus latifrons occidentalis Kellogg, 1899. Occ. Pap. Calif. Acad. Sci. 6: 6, pl. 1, figs. 5 and 8.

Slide number 387a. One female syntype with label "Docophorus latifrons var. occidentalis Kellogg, From *Coccyzus californicus occidentalis*, Baja, Cal., V. L. Kellogg, Stanford University." Lectotype, designated by Carriker (1957), is on slide 428a in the Stanford University Collection.

Present status.—A synonym of *Cuculoecus coccyi* (Osborn, 1896).

Docophorus montereyi Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 87, pl. 3, fig. 6.

Slide number 21. Two female syntypes with label "Docophorus montereyi Kell., From *Synthliboramphus antiquus*, Monterey Bay, Cal., V. L. Kellogg, Stanford."

Lectotype, designated by Carriker (1957), is on slide 151b in the Stanford University Collection.

Present status.—*Saemundssonina montereyi* (Kellogg, 1896).

Docophorus occidentalis Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 89, pl. 3, fig. 7.

Slide number 86. Two female and one immature syntypes with label "Docophorus occidentalis Kellogg, From Fulmarus glacialis pacificus, Monterey Bay, Cal., V. L. Kellogg, Stanford."

Present status.—*Saemundssonina occidentalis* (Kellogg, 1896).

Docophorus procax Kellogg and Chapman, 1899. Occ. Pap. Calif. Acad. Sci. 6: 54, pl. 5, fig. 1.

Slide number 29. Two female syntypes with label "Docophorus procax Kellogg and Chapman, From Cephus columba, Bay of Monterey, Calif., V. L. Kellogg, Stanford University." Lectotype, designated by Carriker (1957), is on slide 468a in the Stanford University Collection.

Present status.—*Saemundssonina procax* (Kellogg and Chapman, 1899).

Docophorus rufus Kellogg, 1899. Occ. Pap. Calif. Acad. Sci. 6: 7, pl. 1, figs. 6 and 9.

Slide number 454. One male and one female syntype with label "Docophorus rufus Kellogg, From Myiarchus cinerascens nuttingi, Baja California, V. L. Kellogg, Stanford University."

Present status.—*Philoptyerus rufus* (Kellogg, 1899).

Goniocotes creber Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 510, pl. 69, fig. 3.

Slide without a number. Two female syntypes with label "Goniodes creber Kellogg, From Phasianus nychthemerus, Bird Store, San Francisco, Calif., V. L. K., Stanford, '99."

Present status.—Probably a synonym of *Goniocotes albidus* Giebel, 1874.

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

Epifregata fregatiphagus Eichler, 1943. Zool. Anz. 141: 59 (*Nomen novum* for *Lipeurus gracilicornis major* Kellogg, 1899).

Slide number 128. One male and one female syntype with label "Lipeurus gracilicornis P. var. major Kellogg, From Fregata aquila, Panama, V. L. Kellogg, Stanford University." Lectotype, designated by Carriker (1957), is on slide 401a in the Stanford University Collection.

Present status.—*Pectinopygus fregatiphagus* (Eicher, 1943).

Lipeurus macgregori Kellogg, 1899. Occ. Pap. Calif. Acad. Sci. 6: 33, pl. 3, figs. 5 and 6.

Slide number 384. One female syntype with label "Lipeurus macgregori Kellogg, From Crotophaga sulcirostris, Panama, V. L. Kellogg, Stanford, University."

Present status.—*Vernoniella macgregori* (Kellogg, 1899).

Lipeurus macrocephalus Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 504, pl. 68, fig. 3.

Slide number 420. One male and one female syntype with label "Lipeurus macrocephalus Kell., From Chordeiles virginianus henryi, Palo Alto, Cal., V. L.

Kellogg, Stanford." Lectotype, designated by Carriker (1957), is on slide 370a in the Stanford University Collection.

Present status.—*Mulcticola macrocephalus* (Kellogg, 1896).

Menopon incertum Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 533, pl. 73, fig. 2.

Slide number 758. One male and one female syntype with label "Menopon incertum Kell., From *Turdus ustulatus*, Palo Alto, Cal., V. L. Kellogg, Stanford." Kellogg listed as type material, specimens from *Turdus ustulatus* and *Spinus tristis*. The species of *Myrsidea* found on these two hosts are not conspecific. Dr. T. Clay is reviewing the genus *Myrsidea* and will designate a lectotype which will also fix the type host.

Present status.—*Myrsidea incerta* (Kellogg, 1896).

Menopon infrequens Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 161, pl. 15, fig. 5.

Slide number 44. One male and one female syntype with label "Menopon infrequens, From *Larus glaucescens*, Monterey Bay, Cal., V. L. Kellogg, Stanford."

Present status.—A synonym of *Austromenopon transversum* (Denny, 1842).

Menopon numerosum Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 159, pl. 15, fig. 1.

Slide number 86. Two female syntypes with label "Menopon numerosum Kell., From *Fulmarus glacialis*, Monterey Bay, Cal., V. L. Kellogg, Stanford."

Present status.—A synonym of *Procellariophaga brevifimbriata* (Piaget, 1880).

Menopon praecursor Kellogg, 1899. Occ. Pap. Calif. Acad. Sci. 6: 46, pl. 4, fig. 8.

Slide number 411. Two female and one immature syntypes with label "Menopon praecursor Kellogg, From *Melanerpes uropygialis*, Baja Cal., V. L. Kellogg, Stanford University." This slide also has a male of the genus *Austromenopon* which was probably added through error by Wilson in remounting the material.

Present status.—*Menacanthus praecursor* (Kellogg, 1899).

Menopon titan linearis Kellogg, 1896. Proc. Calif. Acad. Sci. 6: 165, pl. 15, fig. 2.

Slide number 127. Two male syntypes with label "Menopon titan linearis Kell., From *Pelecanus californicus*, Monterey Bay, Cal., V. L. Kellogg, Stanford."

Present status.—A synonym of *Piagetiella bursaepelecani* (Perry, 1876).

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

Slide number 10. Two male and one female syntypes with label "Menopon tridens var. pacificum, From *Urinator pacificus*, Monterey Bay, Cal., V. L. Kellogg, Stanford." The correct host is *Fulica americana*.

Present status.—A synonym of *Pseudomenopon pilosum* (Scopoli, 1763).

Nirmus actophilus Kellogg and Chapman, 1899. Occ. Pap. Calif. Acad. Sci. 6: 78, pl. 6, fig. 4.

Slide number 248. One male syntype with label "Nirmus actophilus Kellogg and Chapman, From *Calidris arenaria*, Bay of Monterey, Cal., V. L. Kellogg, Stanford University." Lectotype designated by Carriker (1957), is on slide 494 in the Stanford University Collection.

Present status.—*Luniceps holophaeus actophilus* (Kellogg and Chapman, 1899).

Nirmus fusco-marginatus americanus Kellogg and Chapman, 1899. Occ. Pap. Calif. Acad. Sci. 6: 69, pl. 5, fig. 9.

Slide number 4. Two female and one immature syntypes with label "Nirmus marginatus var. americana Kellogg and Chapman, From Colymbus nigricolis californicus, Bay of Monterey, Cal., V. L. Kellogg, Stanford University." Lectotype, designated by Carriker (1957), is on slide 460a in the Stanford University Collection.

Present status.—*Aquanirmus americanus* (Kellogg and Chapman, 1899).

Nirmus penisularis Kellogg, 1899. Occ. Pap. Calif. Acad. Sci. 6: 21, pl. 2, fig. 9.

Slide number 620. One male and one immature syntype with label "Nirmus penisularis Kellogg, From Phainopepla nitens, Baja California, V. L. Kellogg, Stanford University." Lectotype, designated by Carriker (1957), is on slide 441a in the Stanford University Collection.

Present status.—*Bruelia penisularis* (Kellogg, 1899).

LITERATURE CITED

- Carriker, M. A.** 1957. Notes on some of the Vernon L. Kellogg types of Mallophaga. Microentomology 22: 95–110.
- Emerson, K. C.** 1958. Catalogue of the types in the Snow Entomological Museum. Part II (Mallophaga). Univ. Kansas Sci. Bull. 39: 507–518.
- . 1961. The Vernon L. Kellogg Mallophaga type material in the United States National Museum. Proc. Ent. Soc. Wash. 63: 247–254.
- Kellogg, V. L.** 1896. New Mallophaga, I, with special reference to a collection made from maritime birds of the Bay of Monterey, California. Proc. Calif. Acad. Sci. 6: 31–168.
- . 1896. New Mallophaga, II, from landbirds, together with an account of the mallophagous mouth-parts. Proc. Calif. Acad. Sci. 6: 431–552.
- . 1899. Mallophaga from birds of Panama, Baja California, and Alaska. Occ. Papers Calif. Acad. Sci. 6: 3–52.
- Kellogg, V. L. and Bertha L. Chapman.** 1899. Mallophaga from birds of California. Occ. Papers Calif. Acad. Sci. 6: 53–143.

FIRST RECORD OF *OPOMYZA PETREI* MESNIL IN EASTERN NORTH AMERICA

(DIPTERA: OPOMYZIDAE)

According to Vockeroth (1961, Can. Entomol. XCIII: 503–522), the family Opomyzidae in the Nearctic region consists of ten native and three introduced species. *Opomyza petrei* Mesnil, an European species, was recorded in North America only from southwestern British Columbia and Vancouver Island.

During the summers of 1962–1964 numerous specimens of *O. petrei* (det. Vockeroth) were swept from grasses growing in roadside ditches or in partially shaded marshes at scattered localities in Portage, Medina, Summit, and Wayne counties of northeastern Ohio.—B. A. FOOTE, *Kent State University*.



Emerson, K. C. 1965. "The Vernon L. Kellogg Mallophaga type material in the Cornell University collection." *Proceedings of the Entomological Society of Washington* 67, 46–50.

View This Item Online: <https://www.biodiversitylibrary.org/item/84949>

Permalink: <https://www.biodiversitylibrary.org/partpdf/64048>

Holding Institution

Smithsonian Libraries and Archives

Sponsored by

Smithsonian

Copyright & Reuse

Copyright Status: In copyright. Digitized with the permission of the rights holder.

Rights Holder: Entomological Society of Washington

License: <http://creativecommons.org/licenses/by-nc-sa/3.0/>

Rights: <https://biodiversitylibrary.org/permissions>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.