

Insect Types in the ZFMK Collection, Bonn: Phthiraptera

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running title:

LAMPE, ROHWEDDER & RACH: Insect Types in ZFMK section Hymenoptera

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Abstract. The type specimens of Phthiraptera housed in the Zoologisches Forschungsinstitut und Museum Alexander Koenig (ZFMK), Bonn, are listed. There are 99 names recorded; of these 6 (6%) are represented by name bearing (i.e., primary) types. Specific and subspecific names are listed alphabetically, followed by the original genus name, bibliographic citation, original label information (in case of primary types), date and place collected, and finally the geographical coordinates (latitude and longitude based on geo-referencing process).

Key words. Type specimens, Phthiraptera

Introduction

This catalogue is generated from the specimen based database BIODAT. Data capture was mainly done within the DIG project ('Digitization of key Insect groups at ZFMK'). DIG is one of the subprojects of the German GBIF subnode Insecta. It is financially supported by the German Ministry of Science and Education (BMBF) and will run until the end of the year 2005. By adaptation to the ABCD schema (Access to Biological Collection Data) BIODAT became both a BIOCASE- (Biological Collection Access Service for Europe) and GBIF- (Global Biodiversity Information Infrastructure) provider. Therefore full information at the specimen level, and not only of type specimens, for selected ZFMK insect collections (starting with "Homoptera" & Orthoptera) will be sustainably available on the World Wide Web. In case of type specimens we will successively provide images of the type itself and of the original labels.

In this publication the specific and subspecific taxa are grouped by orders and arranged alphabetically. They are listed by species epitheta, followed by the genus name (both in the original spelling), author and year. The citation of the original description was checked and is followed by BIODAT's catalogue number, type status, number of specimens, developmental stage and sex. If the current classification differs from the original name, the valid name is added together with its bibliographic source. In a similar manner the designation of lecto- and neotypes are referenced. The abbreviations of all citations are based on the "World List of Scientific Periodicals" (Brown, P. and G. B. Stratton, 1963). All primary types are listed with the original label information, supplemented by date- and place collected information (normally 'named area' information, the more exact 'gathering site' information are marked). Historical or 'older' place names are updated with names in common use (in parentheses) and higher ranked geographic information such as region, country and continent is added in a hierarchy. Since geo-referencing of collecting places and sites, by using the Alexandria Digital Library gazetteer (ADL) and similar authority files, is part of databasing our collections with BIODAT, the resulting latitude and longitude information could be added easily. To avoid hypertrophic text length most of the secondary types are listed without original label information. If the collection, however, harbour only secondary types of a given taxon the original label information is given for the first type specimen. Table 1 shows the number of primary and secondary types in insect orders of ZFMK section Hymenoptera.

anaspila, Myrsidea

(Nitsch, 1866)

Nitsch (1866): Z. Naturw. Halle 27(2): 119

Klockenhoff & Schirmers (1976): Bonn. Zool. Beitr. 27: 303 [Redescription]

PHT 1975/1154	Neotype	1	adult	male
PHT 1975/1155	Neotype	1	adult	female
Myrsidea anaspila (Nitsch, 1866) - female - Neotypus - Klockenhoff u. Schirmers, 1976 --- Corvus c.corax - 7.VII.1966 - Schleswig-Holstein, Deutschland - leg. Rheinwald 7.VII.1966 Schleswig-Holstein, Germany, Europe				
PHT 1971/106	Paraneotype	1	adult	male
3.6.1942 Ukraine, Asia				
PHT 1972/102	Paraneotype	1	adult	male
24.12.1942				
PHT 1975/624	Paraneotype	1	juvenil	
28.12.1942 Ostkarelien, Finland, Europe				
PHT 1975/620,622	Paraneotypes	2	adult	male
PHT 1975/621	Paraneotype	1	juvenil	
15.1.1912 Bocognano, Corse-du-Sud (dep.), Corse (isld.), France, Europe 9°03'26" O 42°04'54" N				
PHT 1975/625,626	Paraneotypes	2	juvenil	
Feb.1930 Ibiza (isld.), Balears, Islas (isld.), Spain, Europe				
PHT 1975/629	Paraneotype	1	juvenil	
6.2.1905 Castelnuovo (= Herceg-Novi), Dalmatia (region), Montenegro, Europe 18°32'13" O 42°27'22" N				
PHT 1975/630	Paraneotype	1	juvenil	
21.11.1901 Cattaro (= Kotor), Dalmatia (region), Montenegro, Europe 18°45'59" O 42°25'00" N				
PHT 1975/631	Paraneotype	1	juvenil	
Oktober 1970 Korvatunturi (mts.), Lappi, Finland, Europe 29°12'00" O 68°03'00" N				
PHT 1975/632	Paraneotype	1	juvenil	
19.2.1906 Osini, Nuoro, Sardegna (isld.), Italy, Europe 09°28'59" O 39°49'59" N				
PHT 1975/634	Paraneotype	1	adult	female
1.5.1892 Lambessa (= Tazoult-Lambese), Batna, Algeria, Africa 06°15'19" O 35°29'11" N				
PHT 1975/1143,1144	Paraneotypes	2	adult	male
März 1912 Olivia (= La Oliva), Fuerteventura (isld.), Canary Islands (isld.), Spain, Atlantic Ocean 12°04'00" W 28°36'00" N				
PHT 1975/1156,1160,1162,1163				
PHT 1976/1526, 1529,1531-1533,1536,1537,1539-1541,1543	Paraneotypes	15	adult	female
PHT 1976/1527,1157,1161	Paraneotypes	3	adult	male
7.VII.1966 Schleswig-Holstein, Germany, Europe				
PHT 1976/1700-1702	Paraneotypes	3	adult	male

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PHT 1976/1703	Paraneotype	1	adult	female
Oct.1930				
Marokko (= Morocco), Africa				
PHT 1987/109,111	Paraneotypes	2	adult	male
PHT 1987/110	Paraneotype	1	adult	female
PHT 1987/112,113	Paraneotypes	2	juvenil	
24.12.1942				
Kiertinki, Ostkarelien, Finland, Europe				

anathorax, Myrsidea

(Nitsch, 1866)

Nitsch (1866): Z. Naturw. Halle 27(2): 120
 Klockenhoff (1980): Bonn. Zool. Beitr. 31: 151 [Redescription]

PHT 1972/996,1000	Paraneotypes	2	adult	male
Myrsidea anathorax (Nitsch, 1866) - male - Neoparatypus - det. Klockenhoff --- Corvus monedula spermologus - female - 14.6.1940 - Salamanca (Spanien) - (Vogelbalg)				
14.6.1940				
Salamanca, Salamanca, Castilla y Leon, Spain, Europe				
05°39'00" W 40°58'00" N				
PHT 1972/1005	Paraneotype	1	adult	female
16.4.1939				
PHT 1972/1113	Paraneotype	1	adult	male
Lagos, Algarve, Faro, Portugal, Europe				
08°40'00" W 37°05'59" N				
PHT 1972/1021	Paraneotype	1	adult	male
15.6.1940				
Salamanca, Salamanca, Castilla y Leon, Spain, Europe				
05°39'00" W 40°58'00" N				
PHT 1972/1022	Paraneotype	1	adult	male
PHT 1972/1030	Paraneotype	1	adult	female
25.1.1911				
Livland (region) (= Liivimaa (region)), Estonia, Europe				
PHT 1972/1032	Paraneotype	1	adult	male
1.X.1964				
Türkei (= Turkey), Asia				
PHT 1972/1046	Paraneotype	1	adult	female
25.1.1911				
PHT 1972/1110	Paraneotype	1	adult	male
Samhof, Liivimaa (region), Estonia, Europe				
PHT 1972/1055	Paraneotype	1	juvenil	
PHT 1972/1058,1106	Paraneotypes	2	adult	male
PHT 1972/1059,1107	Paraneotypes	2	adult	female
9.2.1914				
Siegmündung, Sieg (river), Nordrhein-Westfalen, Germany, Europe				
PHT 1972/1069	Paraneotype	1	adult	female
27.4.1912				
Slovenia, Europe				
PHT 1972/1104	Paraneotype	1	adult	male
1.X.1964				
Manyas Gölü (lake) (= Kus Gölü (lake)), Balıkesir, Turkey, Asia				
27°57'00" O 40°10'00" N				
PHT 1983/149	Paraneotype	1	adult	female
PHT 2004/1	Paraneotype	1	adult	female
PHT 2004/2-6	Paraneotypes	5	adult	male
16.3.1968				
Kabul (= Kabol), Kabol, Afghanistan, Asia				
69°11'00" O 34°30'59" N				

congoensis, Suricatoecus

Emerson & Price, 1967

Current Classification: ***Felicola congoensis* (Emerson & Price, 1967)**

Emerson & Price (1967): J. Kansas Entomol. Soc. 40: 608

Lyal (1985): Bull. Brit. Mus. (Nat. Hist.), Entomology 51(3): 246, 312 [Paradoxuroecus]

Price et al. (2003): 257 [Felicola]

PHT 1979/554 Paratype 1 adult female

Suricatoecus congoensis Emerson & Price - Paratype - female - K.C.Emerson --- on Crossarchus alexandri - Niamiringi, Congo - 18.Feb.1963 - U.Rahm, Colr.

18.Feb.1963

Niamiringi, Congo, The Democratic Republic, Africa

cornata, Hoplopleura

Kim, 1972

Kim (1972): Pacific Ins. 14: 675

PHT 2004/21 Paratypes 1 adult male

1 adult female

Paratype - Hoplopleura cornata sp.n. K.C.Kim, 1971 - male, female --- Rattus sordidus conatus - Kowanyama, Cape York Peninsula, Australia - 10.April 1969 - [eingraviert] 40

10.April 1969

Kowanyama, Cape York Peninsula, Queensland, Australia, Australia

141°45'00" O 15°29'00" S

cornicis, Myrsidea

(De Geer, 1778)

De Geer (1778): chewing lice in Vol. 7: 76

Hopkins & Clay (1952): [Myrsidea]

Klockenhoff (1979): Bonn. zool. Beitr. 30: 411[Redescription]

PHT 1987/120 Paraneotypes 1 adult male

1 adult female

Myrsidea cornicis (De Geer) - male, female - Neoparatype --- Meinertzhagen - Corvus corone cornix - Uppsala, Schweden - ix.1946 - 16012

IX. 1946

Uppsala, Sweden, Europe

17°37'59" O 59°52'00" N

daurica, Myrsidea

Klockenhoff, 1974

Klockenhoff (1974): Entomol. Mitt. Zool. Mus. Hamburg 4: 475

PHT 1983/156 Paratype 1 adult female

Myrsidea daurica Klockenhoff, 1974 - female - Paratypus --- Coleus dauricus dauricus Pallas - China, Kunming, 15 miles South West - 10.viii.1945 - H.S.Fuller - B.N. 1947-321 (163)

10.VIII.1945

Kunming, Yunnan, China, Asia

102°40'59" O 25°04'00" N

deignani, Buceronirmus

Elbel, 1977

Elbel (1977): Pacific Ins. 17: 413

PHT 1979/555 Paratypes 1 adult male

1 adult female

male, female - Buceronirmus deignani Elbel - Paratypes - Robert E. Elbel --- Rhyticeros u. undulatus - Thailand: Trang Muang, Lamo - 5. March 1967 - Mr. Wanit Songprakob - RK7122

5.March 1967

Trang Muang (= Trang), Lamo (river), Trang, Thailand, Asia

99°35'59" O 07°32'59" N

splendenticola, Myrsidea

Klockenhoff, 1973

Klockenhoff (1973): Bonn. Zool. Beitr. 24: 409

PHT 1987/166 **Paratype** 1 adult male
PHT 1987/167 **Paratype** 1 adult female

Myrsidea splendenticola Klockenhoff, 1973 - male - Paratype - K.C.Emerson --- XE 229 - C-15063 - Corvus splendens - Point Calimere, Tamil Nadu, India - 8.Oct.69

8.Oct.1969

Point Calimere (= Kodikkarai), Thanjavur, Tamil Nadu, India, Asia

79°48'59" O 10°16'59" N

subcoracis subcoracis, Myrsidea

Klockenhoff & Schirmers, 1976

Current Classification: **Myrsidea subcoracis Klockenhoff & Schirmers, 1976**

Klockenhoff & Schirmers (1976): Bonn. Zool. Beitr. 27: 315

Price et al. (2003): 132 [> *Myrsidea subcoracis*]

PHT 1987/183 **Holotype** 1 adult female

Myrsidea s.subcoracis - female - Klockenhoff u. Schirmers, 1976 - HOLOTYPUS --- Corvus corax subcorax - female - 22.4.1964 - Dasht-e-Khushti - Afghanistan - Klockenhoff 245,1

22.4.1964

Dasht-e-Kushti, Afghanistan, Asia

PHT 1975/1148 **Paratype** 1 adult male

Februar 1925

Konea, Kriti (isld.), Greece, Europe

PHT 1987/168,170,172,173

Paratypes 4 adult male

PHT 1987/169,171,174 **Paratypes** 5 adult female

5.VIII.1963

Kabul (= Kabol), Kabol, Afghanistan, Asia

69°11'00" O 34°30'59" N

PHT 1987/175 **Paratype** 1 adult male

PHT 1987/176,178-180 **Paratypes** 4 adult female

PHT 1987/177 **Paratype** 1 adult

2.X.1963

Band-i-Amir (= Band-e Amir Ghazi), Kabol, Afghanistan, Asia

69°22'59" O 34°25'00" N

PHT 1987/181,182 **Paratypes** 2 adult female

22.4.1964

Dasht-e-Kushti, Afghanistan, Asia

subcoracis eremialis, Myrsidea

Klockenhoff & Schirmers, 1976

Current Classification: **Myrsidea eremialis Klockenhoff & Schirmers, 1976**

Klockenhoff & Schirmers (1976): Bonn. Zool. Beitr. 27: 315

Price et al. (2003): 129 [> *Myrsidea eremialis*]

PHT 1975/660 **Paratype** 1 adult male

Myrsidea subcoracis eremialis - male - Paratypus - Klockenhoff u. Schirmers, 1976 --- Corvus r.ruficollis - Tor, Sinai - 6.11.1911 - (Ex ZFMK Orn.Coll.)

6.11.1911

Tor (= At Tur), Sina' (capes), Janub Sina', Egypt, Africa

33°37'00" O 28°14'00" N

PHT 1975/805 **Paratype** 1 adult male

27.10.1911

Tor (= At Tur), Sina' (capes), Janub Sina', Egypt, Africa

33°37'00" O 28°14'00" N

PHT 1975/1149 **Paratype** 1 adult female

PHT 1975/1151 **Paratype** 1 adult male

Abu Simbel(= Abu Sunbul (historical site)), Nasser, Lake (lake), Aswan, Egypt, Africa

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31°37'00" O	22°19'59" N				
PHT 1975/1152	Paratype	1	adult	male	
25.3.1898					
Sinai (= Sina' (capes)), Janub Sina', Egypt, Africa					
PHT 1976/1704	Paratype	1	adult	male	
12.II.1959					
Wadi Rimon, Israel, Asia					
PHT 1987/184	Paratype	1	adult	female	
20.1.1914					
Temottinine, Algeria, Africa					

subzerfae, Colpocephalum

Tendeiro, 1988

Tendeiro (1988): Bonn. Zool. Beitr. 39: 88

PHT 1979/276	Paratype	1	adult	female	
PHT 1979/277-281	Paratype	5	adult	male	
Colpocephalum subzerfae Tendeiro - Paratypes --- Falco naumanni female - 30.4.1966 --- Doschi / Afgh. - leg. J.Niethammer					
30.4.1966					
Doshi (= Dowshi), Baghlan, Afghanistan, Asia					
68°39'59" O	35°35'59" N				

textoris, Myrsidea

Klockenhoff, 1984

Klockenhoff (1984): Bonn. Zool. Beitr. 35: 270

PHT 1987/340	Holotype	1	adult	male	
Myrsidea textoris Klockenhoff, 1984 - male - Holotypus - 1 --- Textor cucullatus - 14.2.73 - Accra / Ghana - leg. Wink					
14.2.1973					
Accra, Greater Accra, Ghana, Africa					
00°13'00" W	05°33'00" N				
PHT 1973/1809	Paratype	1	adult	female	
PHT 2004/13-18	Paratypes	6	adult	female	
22.2.1972					
PHT 1981/348	Paratype	1	adult	female	
21.3.1972					
PHT 1987/340	Paratype	1	adult	male	
14.2.1973					
Accra, Greater Accra, Ghana, Africa					
00°13'00" W	05°33'00" N				
PHT 1983/460	Paratypes	1	adult	male	
		1	adult	female	
5.XII.1966					
PHT 1983/461	Paratypes	2	adult	male	
		2	adult	female	
13.I.1965					
Mafiking, Transvaal, South Africa, Africa					
25°38'59" O	25°52'00" S				

tibetana, Myrsidea

Klockenhoff & Schirmers, 1976

Klockenhoff & Schirmers (1976): Bonn. Zool. Beitr. 27: 323

PHT 1972/1039	Paratype	1	adult	male	
Myrsidea tibetana Klockenhoff u. Schirmers, 1976 - Paratypus - male --- Corvus corax tibetanus - female - Ladakh (F VII) - (Vogelbalg)					
Ladakh, India, Asia					
PHT 1975/872	Paratype	1	adult	male	
5.1.1935					

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Khalatse, Ladakh, India, Asia
76°48'59" O 34°19'59" N

tibetani, Amyrsidea (Argimenopon)

Scharf & Price, 1983

Scharf & Price (1983): Ann. Entomol. Soc. Amer. 76: 448

PHT 1979/516,517	Paratypes	2	adult	male
		2	adult	female

male - female - *Amyrsidea (Argimenopon) tibetani* n.sp. Scharf - Paratypes - K.C. Emerson --- PRESS --- *Tetraogallus tibetanus* aquilonifer Sankhuwa Sabha Dist., E.Nepal - 10.Aug.1973 - HE 0743C
10.Aug.1973
Sankhuwa Sabta Dist., Nepal, Asia

timmermanni timmermanni, Myrsidea

Klockenhoff, 1974

Current Classification: ***Myrsidea timmermanni* Klockenhoff, 1974**

Klockenhoff (1974): Entomol. Mitt. Zool. Mus. Hamburg 4: 557

Price et al. (2003): 132 [> *Myrsidea timmermanni*]

PHT 1983/165	Paratype	1	adult	male
PHT 2004/10	Paratype	1	adult	male
PHT 2004/11,12	Paratypes	2	adult	female

Myrsidea t.timmermanni Klockenhoff, 1974 - Paratypus --- *Corvus ossifragus* - 1.X.37 - Miami, Florida - Ex U.S.N.Museum
1.X.1937
Miami, Miami-Dade, Florida, United States, America, North
80°16'15" W 25°44'03" N

tiptoni, Gliricola

Emerson & Price, 1975

Emerson & Price (1975): Brig. Young Univ. Sci. Bull., Biol. Ser. (20) 3: 24

PHT 1979/525	Paratypes	1	adult	male
		1	adult	female

Gliricola tiptoni Emerson and Price, 1975 - Paratype --- Army Smithsonian - v. 2452 - female - *Proechimys semispinosus* - Loc. Venezuela - Trujillo - 10 km WNW Valera - Nr. Isnoto - Elev. 900m. - Coll. Tuttle Team - Date: 28.Aug.1965 - Venezuela Project
28.Aug.1965
Trujillo, Venezuela, America, South

PHT 1979/526	Paratypes	1	adult	male
		1	adult	female

3.Jan.1968
Altamira, Barima (river), Venezuela, America, South

tringae sibiriae, Saemundssonina

Martens, 1974

Current Classification: ***Saemundssonina tringae* Martens, 1974**

Martens (1974): Mitt. Hamburg Zool. Mus. Inst. 70: 146

Price et al.(2003): 238 [*Saemundssonina tringae*]

PHT 1979/543	Paratype	1	adult	male
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Saemundssonina tringae sibiriae Martens, 197 - Paratyp - K.C.Emerson --- on *Calidris tenuirostris* - Sosa Pu-ri, Kyonqqi-do, Korea - 13.Sept.1961 - C.Fennel, colr.
13.Sept.1961
Sosa, Kyonggi-do, Korea, Republic of, Asia
126°46'59" O 37°29'00" N

tristicola, Myrsidea

Klockenhoff, 1979

Klockenhoff (1979): Bonn. Zool. Beitr. 30: 438

PHT 1987/185	Paratype	1	adult	male
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Myrsidea tristicola - male - Paratypus - Klockenhoff, 1979 --- BBM-NG 794 / 1 - *Gymnocorvus tristis* - Vogelkop, Neth, Neu Guinea - 4-31-I-62

- EMERSON, K.C. (1948b): Two new species of *Mallophaga*. The Journal of the Kansas Entomological Society **21(4)**:137-140.
- EMERSON, K.C. (1953): A new species of *Carduceps* (*Mallophaga: Philopteridae*). Proceedings of the Entomological Society of Washington **55**:209-211.
- EMERSON, K.C. (1957): A new species of *Mallophaga* from a dove. The Journal of the Kansas Entomological Society **30(2)**:36-38.
- EMERSON, K.C. (1964): Notes on some *Mallophaga* from Formosan Mammals. Proceedings of the Biological Society of Washington **77**:195-198.
- EMERSON, K.C. AND R.E. ELBEL (1957a): Two new species of *Mulcticola* (*Philopteridae: Mallophaga*). The Canadian Entomologist **89**:420-423.
- EMERSON, K.C. AND R.E. ELBEL (1957b): New species and records of *Mallophaga* from gallinaceous birds of Thailand. Proceedings of the Entomological Society of Washington **59**:232-243.
- EMERSON, K.C. AND R.E. ELBEL (1957c): New species and records of *Strigiphilus* (*Philopteridae: Mallophaga*) from Thailand. Proceedings of the Biological Society of Washington **70**:195-200.
- EMERSON, K.C. AND R.E. ELBEL (1961): A new species of *Rallicola* (*Mallophaga*) from southeast Asia. Entomological News **72**:130-132.
- EMERSON, K.C. AND R.D. PRICE (1966): A new species of *Parafelicola* (*Mallophaga: Trichodectidae*) from the small-spotted genet. Proceedings of the Biological Society of Washington **79**:231-233.
- EMERSON, K.C. AND R.D. PRICE (1967a): A new species of *Fulicoffula* (*Mallophaga: Philopteridae*) from Thailand. Entomological News **78**:163-166.
- EMERSON, K.C. AND R.D. PRICE (1967b): A new species of *Suricatoecus* (*Mallophaga: Trichodectidae*) from the Congo. The Journal of the Kansas Entomological Society **40(4)**:608-609.
- EMERSON, K.C. AND R.D. PRICE (1968): A new species of *Rhynonirmus* from Thailand (*Mallophaga: Philopteridae*). Proceedings of the Entomological Society of Washington **70(2)**:184-186.
- EMERSON, K.C. AND R.D. PRICE (1969): New species and records of *Mallophaga* (*Trichodectidae*) from Nigerian mammals. Proceedings of the Entomological Society of Washington **71(3)**:335-339.
- EMERSON, K.C. AND R.D. PRICE (1972): A new species of *Felicola* (*Mallophaga: Trichodectidae*) from the Liberian mongoose (*Liberiictis kuhni*). Proceedings of the Biological Society of Washington **85**:399-403.
- EMERSON, K.C. AND R.D. PRICE (1973): A new species of *Strigiphilus* from the saw-whet owl, *Aegolius acadicus* (*Mallophaga: Philopteridae*). Proceedings of the Entomological Society of Washington **75**:45-48.
- EMERSON, K.C. AND R.D. PRICE (1975): *Mallophaga* of Venezuelan mammals. Brigham Young University Science Bulletin, Biological Series (**20**)**3**:1-77.
- EMERSON, K.C. AND R.D. PRICE (1976): *Abrocomophagidae* (*Mallophaga: Amblycera*), a new family from Chile. The Florida Entomologist **59**:425-428.
- EMERSON, K.C. AND R.D. PRICE (1978): Two new species of *Emersionella* (*Mallophaga: Philopteridae*) from New Guinea kingfishers. Pacific Insects **19**:105-108.
- EMERSON, K.C. AND C.J. STOJANOVICH (1963): Two new species *Mallophaga* from Asia. Entomological News **74**:261-264.
- EMERSON, K.C. AND C.J. STOJANOVICH (1964): A new species of *Mallophaga* from the mikado pheasant. Entomological News **75**:256-258.
- EMERSON, K.C. AND C.J. STOJANOVICH (1966): A new species of *Mallophaga* from the water mongoose. The Journal of the Kansas Entomological Society **39(2)**:313-315.
- GUIMARAES, L.R. (1974): *Ischnocera* (*Mallophaga*) infesting parrots (*Psittaciformes*) I. Genera *Neopsittaconirmus* CONCI, 1942, and *Psittaconirmus* HARRISON, 1915. Arquivos de Zoologia, Sao Paulo **25(3)**:121-201.
- GUIMARAES, L.R. (1980): *Ischnocera* (*Mallophaga*) infesting parrots (*Psittaciformes*) IV. Genus *Echinophilopterus* EWING, 1927. Papéis Avulsos de Zoologia, Sao Paulo **33**:127-156.
- HOPKINS, G.H.E. AND T. CLAY (1952): A checklist of genera and species of *Mallophaga*. London.

- KIM, K.C. (1972): A new species of *Hoplopleura* (*Anoplura: Hoplopleuridae*) from an australian rat. *Pacific Insects* **14(4)**:675-678.
- KIM, K.C. AND K.C. EMERSON (1973): *Anoplura* of tropical West Africa with descriptions of new species and nymphal stages. *Revue de Zoologie et de Botanique Africaines* **87(3)**:425-455.
- KIM, K.C. AND K.C. EMERSON (1974): A new *Polyplax* and records of sucking lice (*Anoplura*) from Madagascar. *Journal of Medical Entomology* **11(1)**:107-111.
- KLOCKENHOFF, H. (1969): Zur systematischen Aufgliederung der Myrsideen (Gattung: *Myrsidea* WATERSTON, 1915; *Menoponidae: Mallophaga*) als Parasiten von Unterarten der Dschungelkrähe *Corvus macrorhynchos* WAGLER, 1827. *Zoologischer Anzeiger* **183**:379-442.
- KLOCKENHOFF, H. (1971a): Zur Taxonomie der auf der Sundakrähe *Corvus enca* lebenden Gattung *Myrsidea* WATERSTON, 1915 (*Mallophaga*). *Bonner Zoologische Beiträge* **22**:131-145.
- KLOCKENHOFF, H. (1971b): *Myrsidea australiensis*, n.sp., eine neue Mallophagenart von *Corvus coronoides* und *bennetti*. *Bonner Zoologische Beiträge* **22**:297-304.
- KLOCKENHOFF, H. (1972): Zur Taxonomie der auf der Salvadorikrähe *Corvus orru* lebenden Mallophagen-Gattung *Myrsidea* WATERSTON, 1915. *Bonner Zoologische Beiträge* **23**:253-266.
- KLOCKENHOFF, H. (1973): Zur Taxonomie einiger auf Rabenvögeln lebenden Federlinge der Gattung *Myrsidea* (*Mallophaga*). *Bonner Zoologische Beiträge* **24**:399-416.
- KLOCKENHOFF, H. (1974a): Zur Taxonomie der Myrsideen (*Myrsidea* WATERSTON, 1915: *Mallophaga*) von *Corvus torquatus* und *dauuricus*. *Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg* **4(86)**:471-479.
- KLOCKENHOFF, H. (1974b): Zur Taxonomie der Myrsideen (*Myrsidea* WATERSTON: *Mallophaga*) amerikanischer Rabenvögel (*Corvus* L.). *Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg* **4(89)**:551-564.
- KLOCKENHOFF, H. (1975): Mallophagen der Gattung *Myrsidea* von afrikanischen Rabenvögeln. *Bonner zoologische Beiträge* **26**:217-238.
- KLOCKENHOFF, H. (1977): *Myrsidea coloiopsis*, n.sp., eine neue *Mallophagen*-Art von *Corvus moneduloides*. *Bonner Zoologische Beiträge* **28**:141-148.
- KLOCKENHOFF, H. (1979a): Populationsstudien an Tierläusen (*Phthiraptera*) II. *Myrsidea cornicis* (DE GEER 1778) (*Menoponidae: Amblycera*). *Bonner Zoologische Beiträge* **30**:410-430.
- KLOCKENHOFF, H. (1979b): Die *Myrsidea*-Arten (*Amblycera: Phthiraptera*) von *Corvus tristis* und *Corvus fuscicapillus*. *Bonner Zoologische Beiträge* **30**:431-450.
- KLOCKENHOFF, H. (1980): Zur Taxonomie von *Myrsidea anathorax* (NITZSCH, 1866) und *Myrsidea isostoma* (NITZSCH, 1866) (*Menoponidae: Phthiraptera*). *Bonner Zoologische Beiträge* **31**:151-167.
- KLOCKENHOFF, H. (1981): *Myrsidea grillinae* n.sp. (*Menoponidae: Phthiraptera*), eine neue Federlingsart von *Grallina cyanoleuca* (*Grallinidae: Passeriformes*). *Bonner Zoologische Beiträge* **32**:341-344.
- KLOCKENHOFF, H. (1982): Mallophagen der Gattung *Myrsidea* WATERSTON, 1915 von afrikanischen Webervögeln (*Ploceidae*) – I. *Myrsidea eisentrauti* n.sp. *Bonner Zoologische Beiträge* **33**:407-411.
- KLOCKENHOFF, H. (1984a): *Myrsidea lyali* n.sp. (*Phthiraptera: Menoponidae*) ein neuer Federling von *Fringilla coelebs* (*Passeriformes: Fringillidae*). *Bonner Zoologische Beiträge* **35**:263-268.
- KLOCKENHOFF, H. (1984b): Mallophagen der Gattung *Myrsidea* WATERSTON, 1915 von afrikanischen Webervögeln (*Ploceidae*) – II. *Bonner Zoologische Beiträge* **35**:269-284.
- KLOCKENHOFF, H. AND G. SCHIRMERS (1976): Zur Taxonomie der Myrsideen (*Myrsidea* WATERSTON, 1915; *Menoponidae: Phthiraptera*) von *Corvus corax* und *Corvus ruficollis*. *Bonner Zoologische Beiträge* **27**:300-335.
- KLOCKENHOFF, H. AND G. SCHIRMERS (1980): *Myrsidea coerebicola* n.sp. (*Menoponidae: Phthiraptera*), eine neue Federlingsart von *Coereba flaveola* (*Thraupidae: Passeriformes*). *Bonner Zoologische Beiträge* **31**:144-150.
- KUHN, H.-J. AND H.W. LUDWIG (1970): *Pedicinus miopithecii* n.sp. (*Anoplura: Hoplopleuridae*), eine Laus der Zwermeerkatze *Cercopithecus (Miopithecus) talapoin*. *Senckenbergiana Biologica* **51(3/4)**:205-208.
- LINNAEUS, C. (1758): *Systema naturae*. Editio Decima, Reformata. Impensis Direct, LL. Salvii, Holmiae. I [chewing lice: 610-614].

- LYAL, C.H.C. (1985): A cladistic analysis and classification of trichodectid mammal lice (*Phthiraptera: Ischnocera*). Bulletin of the British Museum (Natural History), Entomology **51**:187-346.
- MACHACEK, P. (1977): *Myrsidea balati* – eine neue Mallophagenart des Feldsperlings, *Passer montanus* L.. Annotationes Zoologicae et Botanicae, No. **119**:1-5.
- MARTENS, J.M. (1974): Zur Taxonomie der Gattung *Saemundssonina* TIMMERMANN (*Mallophaga: Ischnocera*) auf Schnepfen (*Scolopacinae*) und Strandläufern (*Eroliinae*). Mitteilungen aus dem Hamburgischen Zoologischen Museum und Institut **70**:119-163.
- NELSON, B.C. (1972): A revision of the New World species of *Ricinus* (*Mallophaga*) occurring on Passeriformes (Aves). University of California Publication in Entomology **68**:1-175.
- NITSCH, C.L. (1866): Die Federlinge der Sing-, Schrei-, Kletter- und Taubenvögel. Zeitschrift für Naturwissenschaften, Halle **27(2)**:115-122.
- PACKARD, A.S., JR. (1873): Description of new species of *Mallophaga* collected by C. H. Merriam while in the government geological survey of the Rocky Mountains, Professor F. V. Hayden, United States Geologist. Rept. U.S. Geological Survey (1872):731-734.
- PALMA, R.L. AND H. KLOCKENHOFF (1988): A new species of *Myrsidea* (*Phthiraptera: Menoponidae*) from *Pachycephala pectoralis* (Aves: *Passeriformis*). New Zealand Journal of Zoology **15**:557-562.
- PRICE, R.D. (1971): A review of the genus *Holomenopon* (*Mallophaga: Menoponidae*) from the Anseriformes. Annals of the Entomological Society of America **64(3)**:633-646.
- PRICE, R.D. (1974): A review of the genus *Pseudomenopon* (*Mallophaga: Menoponidae*). Annals of the Entomological Society of America **67(1)**:73-84.
- PRICE, R.D. (1975): The *Geomydoecus* (*Mallophaga: Trichodectidae*) of the southeastern USA pocket gophers. Proceedings of the Entomological Society of Washington **77**:61-65.
- PRICE, R.D. (1977): The *Menacanthus* (*Mallophaga: Menoponidae*) of the Passeriformes (Aves). Journal of Medical Entomology **14(2)**:207-220.
- PRICE, R.D. AND J.R. BEER (1965): A review of *Ciconiphilus* Bedford (*Mallophaga: Menoponidae*). The Canadian Entomologist **97**:657-666.
- PRICE, R.D. AND K.C. EMERSON (1966): New Synonymies within the bird lice (*Mallophaga*).- Journal of Kansas Entomological Society **39**:430-433.
- PRICE, R.D., CLAYTON, D.H. AND R.A. HELLENTHAL (1999): Taxonomic review of *Physconelloides* (*Phthiraptera: Philopteridae*), with a description from the Columbiformes (Aves), including descriptions of three new species. Journal of Medical Entomology **36**:195-206.
- PRICE, R.D., PALMA, R.L. AND R.A. HELLENTHAL (1997): New synonymies of chewing lice (*Phthiraptera: Amblycera, Ischnocera*) described from the Falconiformes (Aves). European Journal of Entomology **94**:537-545.
- PRICE, R.D. ET AL. (2003): The chewing lice - World checklist and biological overview. Illinois Natural History Survey Special Publication **24**:1-501.
- SCHARF, W.C. AND R.D. PRICE (1983): Review of the *Amyrsidea* in the subgenus *Argimenopon* (*Mallophaga: Menoponidae*). Annals of the Entomological Society of America **76(3)**:441-451.
- TENDEIRO, J. (1965a): Nouvelles études sur les Mallophages africains. Revista dos Estudos Gerais, Universitarios de Mocambique Revista dos Estudos Gerais, Universitarios de Mocambique **(Ser.4)2**:1-155.
- TENDEIRO, J. (1965b): Études sur les Mallophages parasites des Alcédinidés. I. Genres *Alcedoecus* TH. CLAY ET MEINERTZHAGEN, 1939 et *Emersionella* nov. Revista dos Estudos Gerais, Universitarios de Mocambique **(Ser.4)2**:1-92.
- TENDEIRO, J. (1967): Études sur les Mallophages parasites des Alcédinidés. II. Genre *Alcedoffula* TH. CLAY ET MEINERTZHAGEN, 1939. Considerations finales. Revista dos Estudos Gerais, Universitarios de Mocambique **(Ser.4)4**:195-295.
- TENDEIRO, J. (1988): Études sur les *Colpocephalum* (*Mallophaga, Menoponidae*) parasites des Falconiformes I. Groupe *zerafae* PRICE & BEER. Bonner Zoologische Beiträge **39**:77-102.
- TENDEIRO, J. (1989): Études sur les *Colpocephalum* (*Mallophaga, Menoponidae*) parasites des Falconiformes. II – Description de trois espèces nouvelles. Garcia de Orta, Sér. Zool. **14(1987)**:71-77.
- TENDEIRO, J. (1993): Nouvelles études sur le genre *Nosopon* HOPKINS, 1942 (*Mallophaga, Menoponidae*), avec description de deux espèces nouvelles. Garcia de Orta, Sér. Zool. **19(1992)**:47-54.

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- TUFF, D.W. (1970): A new species of *Ardeicola* (*Mallophaga: Philopteridae*) from Thailand. *Annals of the Entomological Society of America* **63**(4):945-946.
- UCHIDA, S. (1920): On a second collection of *Mallophaga* from Formosan birds. *Annotationes Zoologicae Japonenses* **9**:635-652.
- ZLOTORZYCKA, J. (1973): Systematische Stellung und Wirt-Parasit-Beziehungen beim Myrsideen-Komplex der mitteleuropäischen Corviden. *Lounais-Hämeen Luonto* **46**:46-62.