

A SYNOPTIC LIST OF MALLOPHAGA *SENS. LAT.* (PHTHIRAPTERA : INSECTA) FROM INDIA AND ADJACENT COUNTRIES TOGETHER WITH HOST AND REGIONAL INDICES

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I. INTRODUCTION

Mallophaga sens.lat. (Phthiraptera : Insecta) includes the small, dorsoventrally flattened, apterous insects infesting the birds and mammals. Though apterous, they are often carried to far off places by their hosts, and this phenomenon is more noticeable in case of those parasitic on birds, and also at times by phoresy. Due to these reasons, it is not unusual that one may find the same species occurring in different geographical regions in the host range. Ignoring this fact on one hand, and the non-accessibility to literature on the other, resulted in the description of many species in the past, which were later proved to be conspecific with species described earlier. A lot of confusion exists in the taxonomy of the group, and of late, attempts have been made to standardize the nomenclature and fixing up of the correct type-hosts. The Check-lists, or synoptic-lists, serve as ready reckoners for a taxonomist, and also others to have an idea of the fauna of a particular region. The more frequent enquiries on the parasites or their distribution to the present author indicate the urgent need of such a list on the mallophagan parasites of our region, which incidentally provide the frame work for the *Fauna of India* (Phthiraptera : *Mallophaga sens. lat.*) volumes which are now under contemplation by the Zoological Survey of India. In the present work, all the species so far known from India, and its adjacent countries have been listed together with the host and regional indices. It is hoped, that this list would prove useful not only to the phthiropterologists of the region, but others as well.

Kellogg (1908)^{1,2} published the list of the then known species

¹ KELLOGG, V. L. 1908. *Mallophaga*. In Wyttsmann, *Genera Insectorum*, 66 : 86 pp., 3 pl.

² KELLOGG, V. L. 1908. The Mallophaga of the World.-*Psyche*, 15 : 11-13.

together with their host and locality records. Harrison (1916)³ in his work, tried to clear the several discrepancies in the earlier publications on the genera and species. Bedford (1932)⁴ listed the ectoparasites of the South African mammals, aves, and reptiles, which includes the Mallophaga also. Thompson (1938-1950)⁵ published a series papers on the type-hosts and the lice described from them. Hopkins (1949)⁶ gave an exhaustive account of the host-associations of lice of mammals, which includes the chewing and sucking-lice as well. Hopkins and Clay (1952, 1953, 1955)⁷⁻⁹ are the most up-to-date lists of Mallophaga and their type hosts. Emerson (1964)¹⁰ published a checklist of Mallophaga of North America (north of Mexico) and later revised it (Emerson, 1972)¹¹. Price and Emerson (1966-67)¹²⁻¹³, and Price (1970)¹⁴ published

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- ³ HARRISON, L. 1916. The Genera and species of Mallophaga.-*Parasitology*, 9(1) : 1-156.
- ⁴ BEDFORD, G.A.H. 1932. A Synoptic check-list and host-list of the ectoparasites found on south African Mammalia, Aves, and Reptilia.-18th *Rep. vet. Res. S. Afr.*, : 223-523.
- ⁵ THOMPSON, G. B. 1938-1950. A list of the type-hosts of the Mallophaga and the Lice described from them.-*Ann. Mag. nat. Hist.*, pt. I. (1938) (11) 2 : 580-593; pt. II. (1939) : (11) 2: 241-252; pt. III-V (1940) (11) 5 : 48-55, 297-308, & 409-418; pt. VI.—VIII (1948) (11) 14:373-388, 737-767, & (12) 1 : 335-368; IX-XI.—(1950) (12) 3 : 269-287, 365-382, & 716-720.
- ⁶ HOPKINS, G.H.E. 1949. The Host-associations of the Lice of Mammals.-*Proc. Zool. Soc. Lond.*, 119(2) : 387-604.
- ⁷ HOPKINS, G.H.E. & CLAY, T. 1952. *A Check List of Genera and Species of Mallophaga.*-/London/Bull. Br. Mus. Nat. Hist., : 362 pp.
- ⁸ HOPKINS, G.H.E., & CLAY, T. 1953. Additions and corrections to the Check List of Mallophaga (Pt. I).-*Ann. Mag. nat. Hist.*, (12) 6 : 434-448.
- ⁹ HOPKINS, G.H.E., & CLAY, T. 1955. Additions and corrections to the Check List of Mallophaga (Pt. II).-*Ann. Mag. nat. Hist.*, (12) 8 : 177-190.
- ¹⁰ EMERSON, K. C. 1964. *A Checklist of the Mallophaga of North America (north of Mexico).*-/Utah/, Desert Test Center : 217 pp ; 20 pp.
- ¹¹ EMERSON, K. C. 1972. *A Checklist of the Mallophaga of North America (north of Mexico).*-/Utah/, Desert Test Center: Pt. I : 200 pp.: pt. II. : 218 pp.; pt III : 28 pp.; & pt. IV : 216 pp.
- ¹² PRICE, R. D. & EMERSON, K. C. 1966. New synonymies within the bird lice (Mallophaga).-*J. Kans. ent. Soc.*, 39(3) : 430-433.
- ¹³ PRICE, R. D. & EMERSON, K. C. 1967. Additional synonymies within the Amblyceran bird lice. (Mallophaga).-*Proc. ent. Soc. Wash.*, 69(3) : 248-251.
- ¹⁴ PRICE, R. D. 1970. Three new synonymies within the ctenidia-bearing bird lice (Mallophaga : Menoponidae).-*Proc. ent. Soc. Wash.*, 72 (1) : 134.

the new and additional synonymies of Mallophaga which supplement the lists of Hopkins & Clay (op. cit.). Ansari (1956)¹⁵ published the host list of the Phthirapteran parasites on the Indo-Pakistan mammals and aves, which is not easily accessible to the workers. Emersan (1973)¹⁶ though listed the Mallophagan parasites of the birds of Asia, it is far from complete. Therefore, this list originally prepared in 1968, is thoroughly revised in the light of recent researches during this decade and include the records upto the end of 1974, and also supplemented by the host-and regional-indices.

II. *Scope and format of the Synoptic list*

The list is divided into three parts, viz., Part I. Parasite Index, Part II. Host Index, and Part III. Regional Index.

1. *Classification :*

The genera and species have been arranged alphabetically in the present list as in Hopkins and Clay (op. cit.). The respective genera in the different families of the three suborders (or superfamilies auct.) viz., Amblycerophthirina, Ischnocerophthirina, and Rhynchophthirina¹⁷⁻¹⁸,

¹⁵ ANSARI, M.A.R. 1956. A host-list of Phthirapteran parasites (Lice) found on Indo-Pakistan mammals and birds.-*Pakistan J. Hlth.*, 6(1) : 1-39; 73-112.

¹⁶ EMERSON, K. C. *Mallophaga*: In McClure, H. E. & Ratnaworabhan, N. et al. *Some ectoparasites of the birds of Asia.*-/California; Thailand/Migratory Animal Pathological Survey SEATO Medical laboratory & Applied Scientific Research Corporation of Thailand: 79-119; 132-219.

¹⁷ LAKSHMINARAYANA, K. V. 1970. *Systematic studies on Mallophaga on Indian birds and mammals.*-Ph. D. Thesis, Agra University)/Agra/, Vol. I : (Text) xvii+572pp., Vol. II : (Text-figs) pls. A-U; (Photomicrographs) pls. 1-33; & Reprints/transcripts.

¹⁸ LAKSHMINARAYANA, K. V. 1976. Nomenclatural changes in Phthiraptera (Insecta)—some suggestions.-*Angew. Parasitol.*:17 (3):160-167.

however are as follows (valid generic names are printed in bold with number of valid species given in parenthesis) :

a) **AMBLYCEROPHTHIRINA** Lakshminarayana (= *Amblycera* Kellogg)

Family 1 : **BOOPIIDAE**

1. **Boopia** (1)
2. **Heterodoxus** (1)

Family 2 : **LAEMOBOTHRIIDAE**

1. **Eulaemobothrion** (2)
2. **Laemobothrion** (3)

Family 3 : **MENOPONIDAE**

1. **Actornithophilus** (15)
Aegypiphilus
Allocolpocephalum
2. **Amyrsidea** (5)
3. **Ardeiphilus** (2)
4. **Austromenopon** (7)
5. **Bonomiella** (1)
6. **Chapinia** (2)
7. **Ciconiphilus** (4)
8. **Colpocephalum** (34)
Columbimenopon
9. **Comatomenopon** (1)
10. **Ctenigogus** (1)
11. **Cuculiphilus** (5)
12. **Dennyus** (4)
13. **Eidmanniella** (2)
Eomenacanthus
14. **Eucolpocephalum** (1)
Ferrisia
Galliferrisia
15. **Heleonomus** (4)
16. **Hohorstiella** (1)
17. **Holomenopon** (4)
18. **Kelerimenopon** (1)
19. **Kurodaia** (5)
Liotheum
20. **Menacanthus** (19)
21. **Menopon** (5)
22. **Meromenopon** (1)

- 23. **Myrsidea** (39)
Neocolpocephalum
- 24. **Neomenopon**
Neumannia
Nitzschia
- 25. **Nosopon** (2)
Piagetia
- 26. **Piagetiella** (1)
Pseudocolpocephalum
- 27. **Pseudomenopon** (7)
Tetraophthalmus
Uchida

Family 4 : RICINIDAE

- Nirmus
- Physostomum

- 1. **Ricinus** (7)

Family 5 : TRINOTONIDAE

- 1. **Trinoton** (4)

b) ISCHNOCEROPHTHIRINA LAKSHMINARAYANA (= Ischnocera Kellogg)**Family 1 : PHILOPTERIDAE**

- 1. **Acidoproctus** (3)
- 2. **Aegypoecus** (2)
Akidoproctus
- 3. **Alcedoecus** (2)
- 4. **Alcedoffula** (3)
- 5. **Allobrueelia** (2)
- 6. **Anaticola** (7)
- 7. **Anatoecus** (4)
Anousceps
- 8. **Aquanirmus** (1)
- 9. **Ardeicola** (10)
- 10. **Bedfordiella** (1)
Bitrabeculus
- 11. **Brueelia** (45)
- 12. **Buceronirmus** (2)
- 13. **Campanulotes** (3)
- 14. **Capraiella** (3)
- 15. **Carduiceps** (3)
Carrikericeps
Chadriceps
- 16. **Chelopistes** (1)
Cirrhopthirius
Cistellatrix

17. **Coloceras** (5)
- 18a. **Coloceroides** (2)
18. **Columbicola** (11)
Corvonirmus
19. **Craspedorrhynchus** (6)
20. **Cuclotogaster** (7)
21. **Cuculicola** (3)
22. **Cuculoecus** (1)
23. **Degeeriella** (14)
Docophorus
Docophorus
24. **Echinophilopterus** (1)
25. **Esthiopterum** (2)
Eustrigiphilus
Falcoecus
26. **Falcolipeurus** (8)
27. **Falcolius** (1)
28. **Fulicoffula** (1)
Gallipeurus
Glareolites
29. **Goniocotes** (9)
30. **Goniodes** (29)
Gonocephalus
Gonotyles
Haematophagus
Helluo
Himantophagus
31. **Ibidoecus** (4)
32. **Incidifrons** (1)
Kelerinirmus
Koeniginirmus
33. **Lagopoecus** (2)
34. **Lipeurus** (10)
35. **Luniceps** (5)
36. **Maculinirmus** (1)
Margaritenes
Megalipeurus
37. **Meropoecus** (3)
Mjoberginirmus
38. **Mulcticola** (3)
39. **Neophiloptenus** (1)
40. **Neopsittaconirmus** (2)

41. **Nigronirmus** (4)
 - Nirmoides
 - Nirmus
 - Nirmus
42. **Nitzschiella** (2)
 - Oedicnemiceps
 - Olivinirmus
 - Oncophorus
43. **Otidoecus** (2)
 - Oulocrepis
44. **Oxylipeurus** (5)
45. **Pachyskelotes** (1)
 - Painjunirmus
46. **Paragoniocotes** (1)
47. **Pectinipygus** (3)
48. **Penenirmus** (2)
49. **Perineus** (1)
 - Peripetasma
 - Phichthyophaga
50. **Phlopterus** (21)
51. **Picicola** (1)
 - Picophilopterus
 - Proneptis
52. **Psittaconirmus**
53. **Quadriceps** (26)
54. **Rallicola** (8)
55. **Reticulipeurus** (11)
 - Rhombiceps
56. **Rhynonirmus** (1)
57. **Saemundssonina** (2)
58. **Spironirmus** (2)
 - Stenocrotaphus
59. **Strigiphilus** (9)
60. **Struthiolipeurus** (1)
61. **Sturnidoecus** (18)
62. **Syrrhoptoecus** (7)
 - Szidatiella
 - Tetrophthalmus
 - Timmermanniceps
 - Traihoriella
63. **Turnicola** (1)
64. **Turturicola** (2)
65. **Upupicola** (1)
 - Virgula

Family 2 : TRICHODECTIDAE (16)

Bovicola

1. **Damalinia** (10)2. **Felicola** (3)

Paradoxuroecus

3. **Trichodectes** (3)

Tricholipeurus

c) RHYNCHOPHTHIRINA Ferris

Family 1 : HAEMATOMYZIDAE (1)

1. **Haematomyzus** (1)

Idolocoris

Incertae sedis

Pediculus of old authors now restricted to Siphunculophthirina Lakshminarayana (Siphunculata of Anoplura *auct*). The author has his own reservations on certain genera and species, but the status of them has not been changed in this work except where the opinions have already been published by him.

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NUMBER OF GENERA AND SPECIES INCLUDED
IN THIS LIST UPTO THE END OF 1974

	<i>Genera</i>	<i>Species</i>
AMBLYCEROPHTHIRINA		
Family 1 : Boopiidae	2	2
„ 2 : Laemobothriidae	2	5
„ 3 : Menoponidae	26	173
„ 4 : Ricinidae	1	7
„ 5 : Trinotonidae	1	4
ISCHNOCEROPHTHIRINA		
Family 6 : Phlopteridae	65	356
„ 7 : Trichodectidae	3	16
RHYNCHOPHTHIRINA		
Family 8 Haematomyzidae	1	1
	101	564

2. *Listing of the Genera* :

The genera are arranged alphabetically as already stated; the valid genera are given in bold, while those considered as junior homo-

nymy or synonyms are given in italics. In the synonymy, only those referred in the publications are listed, and therefore, attention is invited to Hopkins and Clay (1952; 1953; 1955), and Price and Emerson (1966; 1967) in addition to the recent revisionary works for others.

3. *Listing of the species :*

The valid species are also arranged alphabetically, serially numbered, and printed in bold. Where the species is considered as a junior synonym, it is numbered in parentheses and printed in italics. Where a species is transferred to another genus, it is given in normal print and a reference to the genus to which it is transferred is given. The specific name is followed by the author's name, year of publication, and the bibliographic reference; if it is a species transferred from another genus as a new combination, then the original generic appellation is given between the year of publication and the bibliographic reference, but in italics.

4. *Host nomenclature :*

Under each species, the name of the host(s) as published in the original citation is given along with the revised name, if any subsequent changes are made. In the Part II, viz., the host-index, the list of avian and mammalian hosts referred to in this work are given. The orders, families, and species are also numbered. As in the case of parasite species in part I, the host species are also given in bold, if they are valid, and otherwise in italics with an index to its senior synonym, and also its number is placed in parentheses. Alongside the valid host name, a cross index to the parasitic genera and species reported on it are indicated in decimal system. The number on to the left of the decimal indicates the genus number in Part I (Parasite index) and the number to the right of the same refers to the species in that genus. For example, 1.2, indicates the genus numbered 1, i.e. *Acidoproctus*, and the species numbered 2, i.e. *moschatae*. The orders, families, and subfamilies are given either in alphabetical sequence or in natural hierarchy, where well known.

The following works have been consulted for the avian classification and nomenclature, besides Peter's Check-lists :

- (i) BISWAS, B. & RIPLEY, S. D. 1963. Comments on Ripley's A synopsis of the birds of India and Pakistan (B. Biswas), with a supplement (by Ripley).-*J. Bombay nat. Hist. Soc.*, 60(3) : 679-689.
- (ii) DELACOUR, J. 1951. *The Pheasants of the World.*-/London/ Country Life Ltd. : 347 pp.; 32 pls; 21 maps & diagrams.

- (iii) DELACOUR, J. (1954-59). *The Waterfowl of the World* (III): [London], Country Life Ltd., I (1954) : 284 pp.; 15 col. pl.; 33 maps; II (1956): 232 pp.; 23 col. pl.; 29 maps; III (1959) : 270 pp.: 19 col. pl.; 46 maps.
- (iv) MAYR, E. & AMADON, D. 1951, A Classification of Recent birds.-*Am. Mus. Novitates*. No. 1496 : 1-42.
- (v) RIPLEY, S. D. 1961. *A Synopsis of the birds of India and Pakistan together with those of Nepal, Sikkim, Bhutan, and Ceylon*. [Bombay/ Bombay nat. Hist. Soc., : 702 pp.; -1 histogram, 4 maps.
- (vi) SALIM ALI, & RIPLEY, S. D. 1968-1974. *Handbook of the birds of India & Pakistan together with those of Nepal, Bangladesh, Sikkim, Bhutan, & Sri Lanka*. (I-IX).-[Bombay/, Oxford Univ. Press : I (1968) : 380 pp; 18col. pl; II. (1969): 345pp; 19-31 col. pl.; III (1969) : 325 pp.; 32-43 col. pl.; IV (1970) : 265pp.; 44-54 col. pl.; V (1972): 276 pp.; 55-64 col. pl.; VI (1971) : 245 pp.; 65-72 col. pl.; VII (1972) ; 236 pp.; 73-83 col. pl.; VIII (1973) : 277 pp.; 84-91 col. pl.; IX (1973) : 306 pp.; 92-101; and X (1974) : 334 pp.; 102-113 col. pl.
- (vii) STORER, R. W. 1971. A Classification of birds.-*Avian Biol.*, Vol. I: 605 pp.
- (viii) VAURIE, C. 1959-65. *The birds of the Palaearctic fauna*.-[London], H. F. & G. Witherby. I (1959) : 762 pp.; II. (1965) : 763 pp.
- (ix) WETMORE, A. 1951. A revised classification for the birds of the World.-*Smiths. misc. Coll.*, 117(4) : 1-22.

The mammalian host nomenclature and classification is as in HOPKINS, G.H.E. 1949. The Host-associations of the lice of mammals.-*Proc. zool. Soc. Lond.*, 119 (2) : 387-604.

5. *Locality Records* :

Although it is recognized well that the real locality for a parasite is its host body, yet the geographical region from where the host has been actually collected or reported in the original citations is given after the host name. Besides the species reported from the mainland India and its associated Islands, those reported from Afghanistan, Bangladesh, Bhutan, Burma, Nepal, Pakistan, Sri Lanka, Tibet, Szechwan & Yunnan (China), and Turkestan (Russia) are included in this list. In the Indian limits, both Oriental and Palaearctic fauna intergrade with each other together with an Ethiopian element. The present list does not include however Thailand, Formosa etc., of the Indo-Chinese subregion; and Malaysia and Indonesian group of Islands of the Malaysian subregion, which the author hopes to deal with later.

Where the locality name is changed for various reasons, the one cited in the original publication is given in parentheses along with the latest name (as far as practicable). The geographical name follows that of the host in a square bracket. In case, a species has been reported from more than one country, then each country is separated by a semicolon. The geographical names especially for India, are after the Surveyor-General of India's "*School, Atlas*" (1961 ed.) and the 'Reader's Digest's "*Great World, Atlas*" (1962 ed.).

In Part III, a regional index to the countries dealt with is given. Under each region, numbers of the genera and species of the parasites reported from that country are given in the decimal system (*vide supra*).

6. Author citation & Bibliography :

If a species has been described from the region under discussion, the author's name follows that of the generic or specific appellations, followed by the year, and its bibliographic reference. The same procedure is followed for the subsequent records also, but given after the locality record from where the host has been taken. Full titles of the papers are not given and attention is invited to the following papers for further details:

- (i) LAKSHMINARAYANA, K. V. 1972. Mallophaga Indica VII. Historical Resume and bibliography of Mallophaga Indica.—*Angew. Parasitol.*, 13(3) : 169-178, 3 figs.
- (ii) LAKSHMINARAYANA, K. V. 1975. Bibliography of Mallophaga Indica : Supplement I and Errata.—*Angew. Parasitol.*, 16 (1) : 28-30.
- (iii) LAKSHMINARAYANA, K. V. & SATYARANI, R. (in press). Bibliography of Mallophaga Indica : Supplement II.—*Angew. Parasitol.*, : 5pp. (Ms.).

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(Part I : PARASITE INDEX)**1. Acidoproctus Piaget, 1878**

Acidoproctus Piaget, 1878, *Tijaschr. Ent.*, 21 : 178. Type species (by subsequent designation, Johnston & Harrison, 1911. *Proc. Linn. Soc., N. S. W.*, 36 : 326) : *A. marginatus* Piaget.

Akidoproctus Piaget, 1880, *Pediculines* : 208. Emendation of *Acidoproctus*.

1. **emersoni** Timmermann, 1963, *Z. Parasitenk.*, 22 (2) : 145.
Host : *Dendrocygna javanica* (Horsfield), [Burma; Sri Lanka (Ceylon)], (Slide in B. M. Nat. Hist.).
2. **moschatae** (Linne), 1758, (*Pediculus*). *Syst. Nat.* ed. 10 : 612.
Nomen novum for Redi's "Pollino del german turco"
Host : *Netta rufina* (Pallas), [India : (Rajputana) Rajasthan].
Clay & Hopkins, 1950. *Bull. Br. Mus. nat. Hist. (Ent.)*, 1 (3) : 239, figs. 22-25, pl. 1 figs. 3 & 4; also *Ibid.*; 241 as *A. stenopyx* (Burmeister) and *A. stenopygos* (Nitzsch).
3. **rostratus** (Rudow), 1866, (*Ornithobius*). *Z. ges. NatWiss.*, 27:465,
Host : *Dendrocygna viduata* (Linne), [Sri Lanka (Ceylon)].
(Slide in B. M. (Nat. Hist.).
- (4) **stenopygos** (Giebel), 1861, (*Lipeurus*). *Z. ges. Nat Wiss.*, 18 : 318.
Nomen novum for *Nirmus stenopyx* Burmeister = no. 2.
- (5) **stenopyx** (Burmeister), 1838, (*Nirmus*). *Handb. Ent.*, 2: 428.= no. 2.

2. Actornithophilus Ferris, 1916

Actornithophilus Ferris, 1916, *Canad. Ent.*, 48: 303. Type species: *Colpocephalum uniseriatum* Piaget.

- (1) **affinis** (Nitzsch), 1874, (*Colpocephalum*). In Giebel, *Insecta epizoa* : 276.=no. 11.
2. **grandiceps** (Piaget), 1880, (*Colpocephalum*). *Pediculines* : 558, pl. 46 fig. 7.
Host : *Ibidorhyncha struthersii* Vigors, [China : Szechwan; Tibet; India: Kashmir] Clay, 1962. *Bull. Br. Mus. nat. Hist. (Ent.)*, 11 (5) : 226. (Slide in B. M. (Nat. Hist.).
3. **himantopy** Blagoveshtchensky, 1951, *Mag. parasit.*, it. al. & Moscow : 13 : 281.

- Host : **Himantopus** [h.] **himantopus** (Linne), [India], Emerson, 1973. In: *Some ectoparasites of the birds of Asia* : 105.
4. **hoplopteri** (Mjöberg), 1910, (*Colpocephalum*). *Ark. zool.*, 6 (13) : 40, fig. 24, pl. 5 fig. 3.
Host : (*Lobipluvia malabarica*) = **Vanellus malabaricus** (Boddaert) and (*L. indicus*) = **V. indicus** (Boddaert), [India], (Slide in B. M. Nat. Hist.).
5. **limosae** (Kellogg), 1908, (*Colpocephalum*), *Wytsaman's Gen. Ins.* (Mallophaga) 56. *Nomen novum* for *Colpocephalum ochraceum* "Nitzsch" Grube 1851 nec Nitzsch, 1818.
Host : **Limosa lapponica** (Linne), [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 105.
6. **lyallpurensis** Ansari, 1955, *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 55.
Host : **Tringa o. ochropus** Linne, [Pakistan]; also Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 400 and Ansari, 1957. *Indian J. Ent.* (1956), 18 (4) : 434, figs. 42-49. (Also cf. Clay, 1962. *Bull Br. Mus. nat. Hist.* (Ent.), 11 (5) : 217, fig. 15.); same host, [India] Emerson, 1973. In *Some ectoparasites of the birds of Asia* : 99, inadvertently as *Quadriceps lyallpurensis* Ansari 1951.
7. **ochraceus** (Nitzsch), 1818, (*Liotheums. g. Colpocephalum*). *Germer's Mug. Ent.*, 3 : 299. *Nomen novum* for Redi's pl. 11 upperfig.
Host : **Charaddius dublus** Scopoli, [Afghanistan]; (*Chettusia gregaria*) = **Vanellus gregarius** (Pallas) and (*Chettusia leucura*) = **Vanellus leucurus** (Lichtenstein), [India], (Slide in B. M. (Nat. Hist.).
8. **paludosus** Clay, 1962, *Bull. Br. Mus. nat. Hist.* (Ent.). 11 (5) : 29, fig. 47, pl. 5 figs. 3 & 6.
Host : **Tringa nebularia** (Gunnerus), (Burma), (Slides from India and Sri Lanka (Ceylon) are present in B. M. Nat. Hist.).
9. **patellatus** (Piaget), 1890, (*Colpocephalum*), *Tijdschr. Ent.*, 33 : 254, pl. 10 fig. 8.
Host : **Numenius (a.) arquata** (Linne), [India], Emerson, 1973. In *Some ectoparasites of the birds of Asia* : 105.
10. **pediculoides** (Mjöberg), 1910, (*Colpocephalum*), *Ark. Zool.*, 6. (13) : 44, pl. 2 fig. 6.

Host : *Arenaria interpres* (Linne) [Sri Lanka (Ceylon)],
(Slides present in B. M. Nat. Hist.).

11. **pustulosus** (Piaget) 1880, (*Colpocephalum*). *Pediculines* : 522, pl. 43 fig. 6.

Host : *Philomachus pugnax* (Linne), [India], Emerson, 1973.
In : *Some ectoparasites of the birds of Asia* : 106.

12. **raviensis** Ansari, 1955, *Proc. 7th Pak. Sci. Conf. Soc. Agric.* : 55.

Host : *Himantopus h. himantopus* (Linne), [Pakistan]; also
Ansari, 1956. *Indian J. Ent.*, 17 (3) : 400 and Ansari,
1957. *Indian J. Ent.* (1956), 18 (4) : 434, figs. 4 50-54.
(May be a synonym of *A. himantopi* Blagovesht-
chensky, 1951. *Mag. Parasit. Leningr.*, Moscow, 13 :
281. cf. Clay, 1962. *Bull. Br. Mus. nat. Hist. (Ent.)*,
11 (5) : 236.).

13. **spinulosus** (Piaget), 1880, (*Colpocephalum*), *Pediculines* : 563, pl. 47 fig. 3.

Host : *Limosa limosa* (Linne), [India]; Sri Lanka (Ceylon)
(Slides in B. M. Nat. Hist.).

14. **tetracis** Clay, 1962, *Bull. Br. Mus. nat. Hist. (Ent.)*, 11 (5) : 206,
figs. 22, 40, 48, 53, 54, 58, pl. 4 fig. 2, pl. 9 fig. 5, & pl. 10
fig. 6.

Host : *Esacus magnirostris recurvirostris* (Cuvier), [Upper
Burma].

15. **totani** (Schrank), 1803, (*Pediculus*). *Fauna Boica* : 191.

Host : *Himantopus h. himantopus* (Linne) & *Tringa o. ochro-*
pus Linne, [Pakistan : Lyallpur], Ansari, 1951, *Proc.*
nat. Inst. Sci. India, 17 (2) : 172, as *A. affinis* (Nitzsch),
cf. Clay, 1962. *Bull. Br. Mus. nat. Hist. (Ent.)*, 11
(5) : 215; *Tringa totanus totanus* (Linne), [Sri Lanka
(Ceylon)], *T. erythropus* (Pallus), [India], and *T.*
stagnatilis (Bechstein), [India], Clay, 1962. *Bull. Br.*
Mus. nat. Hist. (Ent.), 11 (5) : 215, figs. 3, 23, 41,
59 & 60, pl. 2 fig. 1.; *Tringa erythropus* (Pallas) &
T. totanus (Linne), [India], Emerson, 1973. In: *Some*
ectoparasites of the Asia: 106.

- (16) **trilobatus** (Giebel), 1874, (*Colpocephalum*), *Insecta epizoa* : 275
= no. 17.

17. **umbrinus** (Burmeister), 1838, (*Clopocephalum*), *Handb. Ent.*, 2: 438.

Host : (*Erolia m. minuta*) = **Calidris m. minuta** (Leisler), [Pakistan : Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 172, as *A. trilobatus* (Giebel), cf. Clay, 1962. *Bull. Br. Mus. nat. Hist. (Ent.)*, 11 (5) : 212, figs. 6, 9, 57, 69, pl. 6 figs. 4, & 6, pl. 7 fig. 3 & pl. 10 fig. 1; 3 species of *Calidris*, [India]. Emerson, 1973, In: *Some ectoparasites of the birds of Asia* : 106.

Aegyphilus Eichler, 1944

Aegyphilus Eichler, 1944. *Dtsch. ent. z.*, 1943 : 56. Type species : *A. gypsis* Eichler.

Inseparable from *Cuculiphilus*. Considered as a subgenus.

3. *Aegypocus* Clay & Meinertzhagen, 1939

Helluo Clay & Meinertzhagen, 1938, (nec. Bonelli, 1809), *Entomologist*, 71 : 276. Type species: *H. neophron* Clay & Meinertzhagen.

Aegypocus Clay & Meinertzhagen, 1939, *Entomologist*, 72 : 36. *Nomen novum* for *Helluo* Clay & Meinertzhagen.

1. **brevicollis** (Burmeister), 1838, (*Docophorus*). *Handb. Ent.*, 2 : 424.

Host : (*Vultur cinereus*) = **Aegyptius monachus** (Linne), [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 261.

- (2) **griffoneae** Ansari, 1947. *Proc. natn. Inst. Sci. India*, 13(6) : 261, fig. 2 = no. 3.

3. **perspicuus** (Kellogg), 1914, (*Docophorus*), *Sci. Bull. Brooklyn Inst.*, 2 : 83 pl. 16 fig. 3.

Host : **Gyps himalayensis** Hume. [Pakistan : Lyallpur]. Ansari, 1947. *Proc. natn. Inst. Sci. India*, 13 : 261, fig. 2, as *A. griffoneae* Ansari; **Neophron percnopterus** (Linne), [India : Lucknow], Dhanda, 1960. *Ann. Mag. nat. Hist.*, (13) 3 : 660 figs. 1, 9, 22, 28, 34, 36 & 41.

Akidoproctus Piaget, 1880

Akidoproctus Piaget, 1880; *Pediculines* : 208.

An unwarranted emendation of *Acidoproctus* Piaget.

4. Alcedoecus Clay & Meinertzhagen, 1939

Alcedoecus Clay & Meinertzhagen, 1939. *Entomologist*, 72 : 62. Type species : *Philoaterus capistratus* Neumann.

1. **annularis** Ansari, 1955, *Proc. 7th Pak.Sci.Conf.*, : 45.

Host : **Halcyon s. smyrnensis** (Linne), [Pakistan : Lyallpur : Jati (Tatta Dist.)]; also Ansari, 1956. *Pakistan J. Sci. Res.*, 8(1) : 11; Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397; and Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 92 figs. 182-186.

2. **capistratus** (Neumann), 1912, (*Philoaterus*). *Arch. Parasit.*, Paris, 15 : 375. fig. 20.

Host : **Halcyon s. smyrnensis** (Linne), [India : Kulu], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 26.8

5. Alcedoffula Clay & Meinertzhagen, 1939

Alcedoffula Clay & Meinertzhagen, 1939, *Entomologist*, 72 : 161. Type species : *Philoaterus alcedinis* (Denny).

1. **alcedinis** (Denny), 1842, (*Docophorus*), *Mon.Anopl. Brit.*, 48, 11. pl. 6 fig. 1.

Host : **Alcedo/atthis/ispida** (Linne) & **Halcyon s. smyrnensis** Linne, [Pakistan : Lyallpur]. Ansari, 1947. *Proc. natn. Inst. Sci. India*, 13 (6) : 264.

2. **machera** Ansari, 1955, *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 46.

Host : **Ceryle rudis leucomelanura** Reichenbach, [Pakistan : Shujawal (Tatta Dist.)]; also in Ansari, 1956. *Pakistan J. Sci. Res.* 8 (1) : 12, figs. 1-5.; and Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397.

3. **mahagir** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 46.

Host : **Halcyon s. smyrnensis** Linne, (Pakistan); also Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 397; and in Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 93, fig. 187.

6. Allobrueelia Eichler, 1952

Allobrueelia Eichler, 1951, *Bedeutung der Vogelwelt in Forschung und Praxis*. Berlin : 56. Type species : *A. amsel* Eichler.

1. **daumae** (Clay,) 1936, (*Degeeriella*). *Proc. Zool. Soc. Lond.*, (1935): 910, figs. 5, 7c, pl. 2 fig. 2.
Host : (*Turdus d. dauma*) = **Zoothera d. dauma** (Latham) [Himalaya] & (*T. d. aureus*) = **Zoothera d. aurea** [Holandre], [Burma], as *D. zootherae daumae* (Ztotorzycka, 1964. *Acta Parasitol. Polonica*, 12 (24) : 266, considers this subspecies as fulfilled species).
- (2) **marginalis** (Burmeister), 1838, (*Nirmus*). *Handb. Ent.*, 2 : 431 = no. 4.
- (3) **marginallis** (Nitzsch), 1838, (*Nirmus*), *Handb. Ent.*, 2 : 431 (*Sensu* Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 289) = no. 4.
4. **marginata** (Burmeister), 1838, (*Nirmus*). *Handb. Ent.*, 2 : 431.
Host : (*Dendrocitta rufa*) = **Dendrocitta vagabunda parvula** Whistler & Kinnear, [Burma] India : Calcutta, (Gowhatty) Gauhati & Cachar (Asam) : (*Dendrocitta himalayensis*) = **D. formosae himalayensis** Blyth [Nepal] & (*Urocissa occipitalis*) = **Kitta erythrorhyncha occipitalis** (Blyth) [Upper Burma]; India : (Mandi) Mandi (Himachal Pradesh); Kellogg & Paine, 1914, *Rec. Indian Mus.*, 10 : 236 as *N. marginalis* Burm. : (*Urocissa erythrorhynchus occipitalis*) = **Kitta erythrorhyncha occipitalis** Blyth, [Pakistan : Lyallpur], (*U. f. flavirostris*) = **Kitta f. flavirostris** (Blyth), [India : Kulu] & (*Trochalopteron lineatum grisescentor*) = **Garrulax lineatus lineatus** (Vigors), [India : Kulu], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (5) : 289, as *Brueelia marginallis* (Nitzsch).

Allocolpocephalum Qadri, 1939

Allocolpocephalum Qadri, 1939, *Indian J. Ent.* 1 : 66. Type species : *Colpocephalum semicinctum* Rudow.

Inseparable from *Colpocephalum*.

7. *Amyrsidea* Ewing, 1927.

Amyrsidea Ewing, 1927, *J. Wash. Acad. Sci.*, 17 : 90. Type species : *Menopon ventrale* Nitzsch.

1. **Occuleae** Price and Elbel, 1969, *J. kans. ent. Soc.*, 42 (3) : 336, figs. 1-3.

Host : **Caloperdix o. oculea** (Temminck), [Burma].

2. **minuta** Emerson, 1961. *Florida Entomol.*, 44 (3) : 117, figs. 1,3.

Host : *Pavo cristatus* Linne, [Bangla Desh : Dacca; India]
Slides in British Museum Nat. Hist. & Z. S. I.

3. **phaeostoma** (Nitzsch), 1866, (*Menopon*). *Z. ges. Nat. Wiss.*, 28 : 391.

Host : **Pavo cristatus** Linne [India : Attari], Ansari, 1951.
Proc. natn. Inst. Sci. India, 17 (2) : 166.

(4) **subaequalis** (Piaget), 1880, (*Menopon*; *nec. Liotheum subaequale* Haan, 1829). *Pediculines* : 463 pl. 37 fig. 5 = no. 5.

5: **substituta** (Harrison), 1916, (*Menopon*). *Parasitology*, 9 : 45.
Nomen novum for *Menopon subaequale* Piaget, 1880 (*nec. Liotheum subaequale* Haan, 1829).

Host : (*Acomus erythrophthalmus*) = **Houppifer erythrophthalmus** (Raffles), [no history] & (*Gennaesus melanotus*) = **Lophura leucomelana melanota** Hutton, [Bhutan], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 : 232, as *Menopon subaequale* Piaget.

6. **ventralis** (Nitzsch), 1866, (*Menopon*). *Z. ges. NatWiss.*, 26 : 291.

Host : **Argusianus argus** (Linne), [India : no history], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 : 232.

8. **Anaticola** Clay, 1936

Anaticola Clay, 1936, *Proc. zool. Soc. Lond.*, 1936 ; 617. Type species : *Esthipterus crassicornis* (Scopoli).

1. **anseris** (Linne), 1758, (*Pediculus*), *Syst. nat.* 10 : 612, *Nomen novum* for "Redi's pollini del. oca reale"

Host : **Anser anser** (Linne) & **A. indicus** (Latham) (India), Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 83.

2. **coloratus** (Piaget), 1880, (*Lipeurus*). *Pediculines* : 346.

Hosts : **Sarkidornis melanotos** (Pennant), [India], Emerson. 1973, In : *Some ectoparasites of the birds of Asia* : 83.

3. **crassicornis** (Scopoli), 1763, (*Pediculus*). *Ent. Carniolica* : 383.

- Hosts : (*Anas Boschas*) = *Anas p. platyrhynchos* (Linne), (*Casarca f. ferruginea*) = *Tadorna ferruginea* (Pallas), & (*Nettion c. crecca*) = *Anas c. crecca* Linne, [India: Kulu: Pakistan:Lyallpur]; (*Nyroca f. ferina*) = *Aythya f. ferina* (Linne), [Pakistan : Lyallpur]; and (*Myo-phonus coeruleus temminckii*) *Myiophoneus caeruleus temminckii* (Vigors), [India:Kulu-a straggler], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 259; *Anas acuta* (Linne), *A. clypeata* Linne, *A. crecca* Linne, *A. penelope* Linne, *A. strepera* Linne, & *Netta rufina* (Pallas), [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 83.
4. **ewingi** (Qadri), 1935, (*Columbicola*). *Z. Parasitenk.*, 8 : 233 fig. 6.
Host : (Unidentified duck-probably a teal), [India : Aligarh Dist.].
5. **fuligulae** (T. Mueller), 1927, (*Lipeurus*). *Ber. Westpreuss. bot.—Zool. ver.*, 49 : 23.
Host : (*Nyroca ferina*) = *Aythya f. ferina* (Linne), [India : Punjab], Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 399; also Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 99.
6. **magnificus** Ansari, 1955, *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 51.
Host : (*Casarca ferruginea*) = *Tadorna ferruginea* (Pallas), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 399 and Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 99, figs. 227-234.
7. **sordidus** (Giebel), 1866, (*Lipeurus*). *Z. ges. NatWiss.*, 28 : 385.
Host : *Anas crecca* Linne, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 517, Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 399; also Ansari, 1959. *Indian J. Ent.*, (1958), 20(2) : 99.
- (8.) **squalidus** (Nitzsch), 1818, (*Philo-terus*). *Germar's Mag. Ent.*, 3 : 292. *Nomen novum* for *Pediculus anatis* Fabricius 1794) nec, (Schrank, 1781) = no. 3.

9. *Anatoecus* Cummings, 1916

Anatoecus Cummings, 1916, *Proc. zool. Soc. Lond.*, 1916 : 653. Type species "*Anatoecus icterodes* Nitzsch".

1. **dentatus** (Scopoli), 1763, (*Pediculus*). *Entomologia carniolica* : 383.
Host : (*Casarca ferruginea*) = **Tadorna ferruginea** (Pallas), (*Nyroca ferina*) = **Aythya ferina** (Linne) [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 268.
2. **difficilis** Cummings, 1916, *Proc. zool. Soc. Lond.*, 653, 654 & 659.
Host : (Dun bird) Probably **Aythya ferina** (Linne), [India : Punjab], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 51; also on the same host in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 399 and Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 100.
3. **pygaspis** (Nitzsch), 1866 (*Docophorus*). In Giebel's *Z. ges. NatWiss.*, 28 : 361.
Host : (*Phoenicopterus antiquorum*) = **Phoenicopterus roseus** Pallas, [India]. (Slide in B. M. (Nat. Hist.).
4. **regina** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 51.
Host : (*Casarca ferruginea*) = **Tadorna ferruginea** (Pallas) [Pakistan]; also Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 399 and Ansari, 1959. *Indian J. Ent.* (1958), 20 (2) : 100, figs. 235-237.

Anousceps Zlotorzzycka, 1967

Anousceps Zlotorzzycka, 1967, *Pol. Pismo Ent.*, 37 (4) : 730.

Type species : *Nirmus separatus* Kellogg & Kuwana. For the present retained under *Quadriceps*.

10. *Aquanirmus* Clay & Meinertzhagen, 1939

Aquanirmus Clay & Meinertzhagen, 1939, *Entomologist*. 72 : 163.,

Type species : "*Degeeriella runcinata* (Nitzsch)".

1. **bahli** Tandan, 1951, *Ann. Mag. nat. Hist.* (12) 4 : 803, figs. 1-4.
Host : **Podiceps ruficollis capensis** Salvadori, [India : Lucknow : Kukrail]; same host, [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 84.

11. *Ardeicola* Clay, 1936.

Ardeicola Clay, 1936, *Proc. zool. Soc. Lond.*, 1936 : 615. Type species : *Esthiop-
terum ardeae* (Linne).

1. **asiaticus** Kumar and Tandan, 1971. *Bull. Br. Mus. nat. Hist. (Ent.)*, 26 (2) : 146, pl. figs. 3. pl. 2. fig. 7, figs. 37, 55.
Host : **Xenorhynchus a. asiaticus** (Latham), [India : (Rajputana) Rajasthan].
2. **burmanus** Hajela and Tandan, 1970, *Zool. J. Linn. Soc.*, 49 (4) : 324, figs. 6, 20, 28, 36, and 37.
Host : **Pseudibis davisoni** (Hume), [Burma].
3. **castaneus** (Piaget), 1885, (*Lipeurus*), *Pediculines Supplement* : 62
Host : (*Dissoura* [e.] *episcopus*), **Ciconia** [e.] **episcopus** (Boddaert), [India], Qadri, 1936. *Z. Parasitenk.* 8 : 643, fig. 4 as *Degeeriella episcopi* Qadri; same host, /Burma/, Kumar and Tandan, 1971. *Bull. Br. Mus. nat. Hist. (Ent.)*, 26 (2) : 141, figs. 10, 19, 53.
4. **dennelli** Hajela & Tandan, 1967. *Proc. R. ent. Soc. Lond. (B)*, 36 (5-6) : 73, figs. 10-17.
Host : **Pseudibis papillosa** (Temminck), [India : Lucknow]; also Hajela & Tandan, 1970. *Zool J. Linn. Sci.* 49 (4) : 323, figs. 5, 13, 17, 27.
- (5) **episcopi** (Qadri), 1936, (*Degeeriella*). *Z. Parasitenk.*, 8 : 643, fig. 4. = no. 3.
6. **gaibagla** Ansari, 1947. *Proc. natn. Inst. Sci. India*, 13 (6) : 256, fig. 1.
Host : **Bubulcus ibis coromandus** (Boddaert) [Pakistan : Lyallpur].
7. **hardayali** Tandan and Kumar, 1969. *Ann. Soc. Ent. Fr. (N.S.)* 5 : (1) : 146, figs. 1, 2, 4, 6, 7, 9, 11-16, 20, 22.
Host : **Leptoptilos javanicus** (Horsfield), [India], Kumar and Tandan, 1971. *Bull. Br. Mus. nat. Hist. (Ent.)*, 26 (2) : 154.
8. **indicus** Brelih, 1965. *Ann. Mag. nat. Hist.*, (13)., (85/86) : 56, figs. 6, 9 & 13.
Host : **Threskiornis melanocephala** (Latham), [India : Deccan].
9. **lepidus** (Nitzsch), 1866, (*Lipeurus*). In Giebel, *Z. ges. NatWiss.* 28 : 383.

Host : *Anastomus oscitans* (Boddaert), [India : Moirang (Manipur), Unao, U. P.], Kumar and Tandan, 1971, *Bull. Br. Mus. nat. Hist. (Ent.)*, 26 (2) : 133, figs. 4,6,7,13,16,30,39,49.

10. **plataleae** (Linne), 1758, (*Pediculus*). *Syst. Nat. ed.*, 10 : 613.
Nomen novum for Redi's Pollino del palletone.

Host : *Platalea* 1. *leucordia* Linne [India: (Rajputana) Rajasthan], Clay & Hopkins, 1950 *Bull. Br. Mus. nat. Hist. (Ent.)*, 1 (3) : 245, figs. 29-33, pl. 1, fig. 8.

11. **tantali** (J. C. Fabricius), 1798, (*Pediculus*). *Ent. Syst. Suppl.* : 571.

Host : (*Tantalus leucocephalus*)=*Ibis leucocephalus* (Pennant), [India : Tranquebar]; same host, [India : (Rajputana) Rajasthan, (Lucknow) U.P.], Kumar and Tandan 1971. *Bull. Br. Mus. nat. Hist. (Ent.)*, 26 (2) : 145, pl. 1. fig. 2, pl. 2. fig. 6; figs. 34,54, 58.

12. *Ardeiphilus* Bedford, 1939

Ardeiphilus Bedford, 1939. *Onderstepoort J. vet. Sci.*, 12 : 139.

Type species: *Colpocephalum trochioxum* "Nitzsch".

1. **mirzai** (Qadri), 1935, (*Cuculiphilus*). *Z. Parasitenk.*, 8 : 232, fig. 5.

Host : *Ardeola grayii* (Sykes), [India].

2. **trochioxus** (Burmeister), 1838, (*Colpocephalum*). *Handb. Ent.*, 2 : 438.

Host : *Ardeola grayii* (Sykes), [India], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 162).

13. *Austromenopon* Bedford, 1939

Austromenopon Bedford, 1939. *Onderstepoort J. vet. Sci.*, 12 : 122.

Type species: *Menopon crocatum* Nitzsch.

1. **crocatum** (Nitzsch) 1866, (*Menopon*). *Z. ges. NatWiss.*, 28 : 392.

Host : *Numenius arquata* (Linne), & *N. minutus* (Gould) ? [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 107.

2. **cursorius** (Giebel), 1874, (*Menopon*). *Insecta epizoa* : 296.

Host : *Cursorius cursor cursor* (Latham), [Pakistan: Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 173.

3. **icterum** (Burmeister), 1838, (*Menopon*). *Handb. Ent.*, 2 : 440.
Host : **Himantopus h. himantopus** (Linne), & **Tringa o. ochropus** Linne, [Pakistan : Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 173.
4. **leucuræ** Timmermann, 1955. *Bonn. Zool. Beitr.*, 5 : 200.
Host : (**Chettusia leucura**) = **Vanellus leucurus** (Lichtenstein), [India; also Pakistan : Bahawalpur] (Slide in B. M. (*Nat. Hist.*)).
5. **limosæ** Timmermann, 1955. *Bonn. zool. Beitr.*, 5 : 202.
Host : **Limosa limosa** (Linne) [India? : (Radschputana Probably Rajaputana) Rajasthan].
6. **mohni** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 56.
Host : **Himantopus h. himantopus** (Linne), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 400 and Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 435, figs. 55-59; Clay, 1959. *Proc. R. Ent. Soc. Lond. (B)*, (11-12) : 167.
7. **sohni** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 56.
Host : **Tringa ochropus** Linne, [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17, (3) : 400, and Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 435, figs. 60-62. [not identifiable from the description], Clay, 1959. *Proc. R. Ent. Soc. Lond. (B)*, : 28 (11-12) : 167.

14. **Bedfordiella** Thompson, 1937

Bedfordiella Thompson, 1937. *Ann. Mag. nat. Hist.* (10) 20 : 434.

Type species : *B. unica* Thompson.

1. **unica** Thompson, 1937, *Ann. Mag. nat. Hist.* (10), 20 : 434, figs. 1,2.
Host : **Pterodroma brevirostris** (Lesson), (Off S. Indian, Ocean).

Bitrabeculus Uchida, 1948

Bitrabeculus Uchida, 1948. *Japan med. J.*, 1 : 318. Type species: *Docophorus singularis* Kellogg.

Not separable from *Philopterus*.

15. Bonomiella Conci, 1942

Bonomiella Conci, 1942. *Riv. Soc. Stud. Venezia Tridentina*, 23 : 1.

Type species: *B. insolitungincolata* Conci.

1. **bieri** Eichler, 1959. *Dte. gesundhwes*, Berlin, 14 : 1173.

Host : *Streptopelia chinensis ceylonensis* (Reichenbach), [Sri Lanka (Ceylon)].

16. Boopia Piaget, 1880

Boopia Piaget, 1880, *Pediculines*: 599. Type species (by monotypy) : *B. tarsata* Piaget.

1. **grandis** Piaget, 1885. *Pediculines supplement* : 154, pl. 16 fig. 8.

Host : (*Lutra pruneri*-Error) **Macropus rufus** (Desmarest), (India ?) Mjöberg, 1910. *Ark. Zool.* 6 : 21, 240, figs. 10-18; 132, pl. 4 fig. 9 as *Boopia peregrina* Mjöberg.

2. *peregrina* Mjöberg, 1910. *Ark. Zool.*, 6 : 21, 240, figs. 10-18; 132, pl. 4 fig. 9 = no. 1.

Bovicola Ewing, 1929

Bovicola Ewing, June 1929, *Man. ext. paras.*, 121, 123, 193.

Type species : *Trichodectes caprae* Gurlt.

Is regarded as a subgenus of *Damalinia*.

17. Brueelia Kéler, 1936

Brueelia Kéler, 1936, *Arb. morph.-tax. Berlin-Dahlem*, 3 : 257.

Type species : *B. rossittensis* Kéler.

Corvonirmus Eichler, 1944, *Stettin. ent. Ztg.*, 105 : 81.

Type species : *Nirmus uncinus* "Nitzsch in Burmeister".

Painjunirmus Ansari, 1947, *Proc. nat. Inst. Sci. India*, 13 (6) : 285.

Type species : *P. pengya* Ansari.

Traihoriella Ansari, 1947, l.c. : 290. Type species: *T. punjabensis* Ansari.

Olivinirmus Zictorzycka, 1964, *Acta Parasitol, Polonica* 12 (24) : 246. Type species : *Nirmus glandarii* Denny.

1. **antennatus** Ansari, 1956. *Pak. Jour. Hlth.*, Lahore; 6 : 139.

Host : **Garrulax striatu(m)s sikkimensis** (Tiechurst), [India : Chungtang, Sikkim] (Slide in B. M. nat. Hist. (Ent.) London.

2. **argula** (Burmeister), 1838, (*Nirmus*). *Handb. Ent.*, 2 : 430.

- Host : (*Corvus corax laurencei*) = **Corvus corax subcorax** Severtzov, [Afghanistan : Chorband & Kabul; Pakistan : Lyallpur], Ansari, 1957. *Bull. Br. Mus. nat. Hist. (Ent.)*, 5 (4) : 145, figs. 1-8 & 60-64.
3. **atherae** Ansari, 1957, *Bull. Br. Mus. nat. Hist. (Ent.)*, 5 (4) : 161, figs. 18, 44-45 & 101-104.
Host : (*Corvus corax laurencei*) = **Corvus corax subcorax** Severtzov. [Afghanistan : Shiber pass].
4. **avinus** Ansari, 1956. *Pak. Jour. Hlth.*, 6 : 141.
Host : **Garrulax s. subunicolor** (Blyth), [India : Sikkim Chung-tang].
5. **biguttata** (Kellogg & Paine), 1914, (*Nirmus*). *Rec. Indian Mus.*, 10, (4) : 214, pl. 14 fig. 2.
Host : (*Graculus graculus*) = **Pyrrhocorax g. graculus** (Linne), [India]; also on the same host, [Tibet (Khambajon)] Ansari, 1956. *Bull. Br. Mus. nat. Hist. (Ent.)*, & 4 (8) : 300, figs. 69-75.
6. **biocellata** (Piaget), 1880, (*Nirmus*). *Pediculines* : 66, pl. 5 fig. 2.
Host : **Pica pica bactriana** Bonaparte, [Afghanistan : Kabul, India : Ladakh], Ansari, 1956. *Bull. Br. Mus. nat. Hist. (Ent.)*. 4 (8) : 396, figs. 90-93.
7. **cambayensis** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 54.
Host : **Saxicoloides fulicata cambaiensis** (Latham), [Pakistan], also on the same host, Ansari, 1956. *Indian J. Ent.*; (1955), 17 (3) : 395 and Ansari 1958. *Indian J. Ent.*, 20 (1) : 50, fig. 24, (Inconsistent spellings have been used for *cambayensis* as *cambayensis* (in text) *cambayansis* for figure).
8. **chayanh** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 55.
Host : **Acridotheres t. tristis** (Linne), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 395 and Ansari, 1958. *Indian J. Ent.*, 20 (1) : 54, figs. 38-42.
9. **chilchil** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 53.
Host : **Turdoides c. caudatus** (Dumont) [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 394 and Ansari, 1958. *Indian J. Ent.*, 20 (1) : 48, figs. 9-15.

chitlatilyar Ansari, 1955. See *Spironirmus*.

10. **cyclothorax** (Burmeister), 1838, (*Nirmus*). *Handb. Ent.*, 2 : 429.
 Hosts : (*Gymnor/his* x. *xanthocollis*) = **Petronia** x. **xanthocollis** (Burton); **Passer domesticus indicus** Jardine & Selby & (*Anthus richardi rufulus* = probably **Anthus novaeseelandiae richardi** Vieillot, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*. 13 (6) : 288 as *Painjunirmus cyclothorax* (Nitzsch).
daumae (Clay), 1936, (*Degeeriella*). See *Allobrueelia*.
11. **dicruri** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 53.
 Host : (*Dicrurus macrocercus*) = **Dicrurus adsimilis macrocercus** Vieillot, [Pakistan : Jati (Tatta Dist.)], also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 395 and Ansari, 1956. *Pakistan J. Sci. Res.*, 8 (1) : 12, figs. 6-10.
12. **effronte** Ansari, 1956. *Pak. Jour. Hlth.* 6 : 155.
 Host : **Garrulax squamatu[m]s** (Gould), [India].
13. **ginginianus** Ansari, 1955. *Proc. 7th Pak. Sci. Cong. Sec. Biol.* : 55.
 Host : **Acridotheres ginginianus** (Latham), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 395 and Ansari, 1958. *Indian J. Ent.*, 20 (1) : 55, figs. 43-48.
14. **grandalae** (Clay), 1936, (*Degeeriella*). *Proc. Zool. Soc. Lond.*, 1935 : 912, fig. 7 e, pl. 2 fig. 5.
 Host : **Grandala c. coelicolor** Hodgson, [India : Sikkim].
 gulabitylar Ansari, 1955. See *Spironirmus*.
15. **guldum** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 54.
 Host : **Pycnonotus cafer intermedius** Blyth, [Pakistan], also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 394 and Ansari, 1958. *Indian J. Ent.*, 20 (1) : 49, figs. 16-23.
16. **husaini** Ansari, 1956. *Bull. Br. Mus. nat. Hist. (Ent.)*, 4 : 383. figs. 35 & 43.
 Host : (*Urocissa flavirostris cucullata*) = **Kitta flavirostris cucullata** (Gould), [India : Kashmir & Kulu]; (*Urocissa melanocephala occipitalis*) = **Kitta erythrorhyncha occipitalis** (Blyth), [India : Kulu; Nepal].

17. **iliaci** (Denny), 1842, (*Nirmus*). *Mon. Anopl. Brit.* : 51, 130, pl. 9 fig. 4.
Hosts : (*Pastor roseus*) = **Sturnus roseus** (Linne); **Acridotheres t. tristis** (Linne) & **A. ginginianus** (Latham), [Pakistan: Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 28 as *Painjunirmus iliaci* (Denny).
18. **impressifrons** Ansari, 1956. *Pak. Jour. Hlth.*, 6 : 152.
Host : (*Garrulax a. affine*) = **Garrulax a. affinis** Blyth, [India], also (Nepal) Slides in B. M. (Nat. Hist).
19. **indiensis** Ansari, 1956. *Biologia*, 2 : 111.
Host : **Turdus ruficollis atrogularis** Jarocki, (India : U. P.).
20. **longisternus** Ansari, 1956. *Pak. Jour. Hlth.*, 6 : 146.
Host : **Cutia n. nipalensis** Hodgson, [India: Sikkim]
21. **maharastran** Ansari, 1956. *Pak. Jour. Hlth.* 6 : 164.
Host : (*Turdoides somervillei*) = **Turdoides striatus somervillei** (Sykes), [India: Bombay].
marginalis (Burmeister), 1838, (*Nirmus*). See *Allobrueelia*.
marginallus (Nitzsch), *Handb. Ent.*, 2 : 431 (*Sensu* Ansari, 1947). See *Allobrueelia*.
22. **meinertzhageni** Ansari, 1956. *Bull. Br. Mus. nat. Hist. (Ent.)* 4 : 381.
Hosts : (*Dendrocitta rufa vagabunda*) = **Dendrocitta vagabunda** (Latham), [Burma; India & Nepal] (*D. vagabunda pollida*) = **D. v. pallida** Blyth (Pakistan : Jati (Tatta Dist. Sind); also Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 395. & Ansari, 1956. *Pakistan J. Sci. Res.*, 8 (1) : 13.
23. **multipunctata** (Clay), 1936, (*Degeeriella*). *Proc. Zool. Soc. Lond.* (1935), 2 : 906, fig. 2, pl. 1. fig. 2.
Host : **Nucifraga caryocatactes multipunctata** Gould (India : Kashmir); also Ansari, 1956. *Bull. Br. Mus. nat. Hist. (Ent.)*, 4 (8) : 398, figs. 94-100.
munda (Nitzsch), 1866, (*Nirmus*). See *Maculinirmus*.
munia Ansari, 1955. See *Nigronirmus*.
24. **myiophoneae** (Clay), 1936, (*Degeeriella*). *Proc. Zool. Soc. Lond.* (1935) 2 : 911, fig. 7 g, pl. 2 fig. 4.

- Host : (*Myiophoneus t. temminckii*) = **Myiophoneus coeruleus temminckii** Vigors (India : Kashmir & Kulu); also Ansari, 1947. *Proc. natn. Inst. Sci. India.* 13 (6) : 29.
25. **nigrosignata** (Piaget), 1880, (*Nirmus*). *Pediculines* : 157. pl. 13. fig. 6.
Host : **Garrulus leucotes** Hume, (Upper Burma), Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 236 as *N nigrosignatus* Piaget.
26. **nipalensis** Ansari 1956. *Pak. Jour. Hlth.*, 6 : 143.
Host : **Garrulax striatu** [m]s. **sikkimensis** (Ticehurst). [India : Sikkim].
27. **novafacies** Ansari, 1956. *Pak. Jour. Hlth.* 6 : 154.
Host : **Garrulax s. subunicolor** (Blyth). [India : Sikkim].
28. **olivacea** (Burmeister), 1838, (*Nirmus*). *Handb. Ent.*, 2 : 431.
Hosts : **Corvus splendens** Vieillot [India : Calcutta & Trivandrum; Nepal]; **C. macrorhynchus** Wagler, [Nepal] & (*Pica rustica*) = **Pica pica bactriana** Bonaparte, [Upper Burma], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 236 as *Nirmus olivaceus* Nitzsch.
29. **oudhensis** Ansari, 1956. *Biologia*, 2 : 130.
Host : (*Turdus merula nigropelios*) = **Turdus merula nigropileus** (Lafresnaye), [India : (Bombay State), Gujarat & Maharashtra].
30. **pagodarum** Ansari, 1955. *Proc. 7th. Pak. Sci. Conf. Sec. Biol.* : 55
Host : (*Temenuchus pagodarum*) = **sturnus pagodarum** (Gmelin) [Pakistan]; also Ansari, 1956, *Indian J. Ent.*, (1955), 17 (3) : 395, and Ansari 1958. *Indian J. Ent* 20 (1) : 53. fig. 37.
31. **pakistanaise** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 52,
Host : **Lanius vittatus** Valenciennes, [Pakistan : Karachi], also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 395 and Ansari, 1956. *Pakistan J. Sci. Res.*, 8 (1) : 13. figs. 11-16.
parae Ansari, 1955. See *Nigronirmus*.

32. **pengya** (Ansari), 1947, (*Painjunirmus*). *Proc. natn. Inst. Sci. India.*, 13 (6) : 285, fig. 10.
Hosts : (*Turdoides t. terricolor*) = **Turdoides striatus sindianus** (Ticehurst), & (*Argya c. caudata*) = **Turdoides c. caudatus** (Dumont), [Pakistan : Lyallpur.]
33. **punjabensis** (Ansari), 1947, (*Traihoriella*). *Proc. natn. Inst. Sci. India*, 13 (6) : 290, fig. 11.
Host: **Megalaima virens marshallorum** Swinhoe, [India:Kulu].
34. **saliemi** Ansari, 1957. *Bull. Br. Mus. nat. Hist. (Ent.)*, 5 (4) : 158, figs. 16, 40, 41, 92-96.
Hosts : **Corvus splendens** Vieillot, [India : Bihar & Deccan Nepal; Pakistan : Lyallpur]; **C. splendens zugmayeri** Laubmann, [Pakistan : Sind]; (*Corvus Coronoides intermedius*) **Corvus macrorhynchos intermedius** Adams, [India : Bihar], Ansari, 1957. *Bull. Br. Mus. nat. Hist. (Ent.)*, 5 (4) : 160, figs. 17, 42, 43, 97-100 as **B. s. mollii** Ansari; also Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 86.
35. **sehri** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 53.
Host : (*Trochalopteron lineatum grisescenter*) = **Garrulax lineatus lineatus** (Vigors), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 39 & Ansari, 1958. *Indian J. Ent.*, 20 (1) : 47, figs. 1-8.
36. **sternotransversa** Ansari, 1956. *Pak. Jour. Hlth.*, 6 : 147.
Host : **Garrulax a. albogularis** (Gould), [India]; also [Nepal] (Slide in B. M. Nat. Hist.)
37. **sternotypicus** Ansari, 1956. *Pakistan J. Hlth.*, 6 : 148.
Host : **Garrulax p. pectoralis** (Gould), [India : Manipur.]
38. **stresemanni** (Clay), 1936, (*Degeeriella*). *Proc. zool. Soc. Lond.*, 1935, 2 : 910, figs. 6,75, pl. 2 fig. 3.
Host : **Zoothera (m.) monticola** (Vigors), [India : Sikkim].
39. **subtilis** (Nitzsch), 1874, (*Nirmus*). In Giebel's *Insecta Epizoa*: 137.
Host : **Passer domesticus indicus** Jardine & Selby, [India : Punjab], Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 395.

40. **tasniemae** Ansari, 1957, *Bull. Br. Mus. nat. Hist. (Ent.)*, 5 (4) : 152, figs. 12, 32-33, 74-78.
Host : **Corvus f. frugilegus** Linne, [Afghanistan : Kabul].
41. **uncinosa** (Burmeister), 1838, (*Nirmus*). *Handb. Ent.*, 2 : 430.
Host : **Corvus (c.) cornix** Linne, [India : Gilgit], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 236 as *Nirmus uncinosus* Nitzsch.
42. **varia** (Burmeister), 1838, (*Nirmus*). *Handb. Ent.*, 2 : 430.
Hosts : **Corvus monedula** Linne. & **C. frugilegus** Linne, [India : Gilgit], **C. corax** Linne. (India : Ladakh), and (Picarustica)=**Pica pica bactriana** Bonaparte [India Gilgit & Ladakh], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 236 as *Nirmus varia* Nitzsch (*Corvus corax laurencei*)=**Corvus corax subcorax** Severtzov, (*Corvus frugilegus tachusii*)=**C. f. frugilegus** Linne and **C. s. splendens** Vieillot [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 289; (material from the last named species may be same as no. 34); (*Corvus frugilegus tschusii*)=**C. f. frugilegus** Linne, /Pakistan : Lyallpur **C. monedula soemoeringii** Fisher, **C. corone corone** Linne, & **C. corone orientalis** Eversmann, [Afghanistan]. Ansari, 1957. *Bull. Br. Mus. nat. Hist. (Ent.)*, 5 (4) : 166, figs. 20, 48, 49, 109-113.
43. **ventratum** Ansari, 1956. *Pak. Jour. Hlth.* 6 : 150.
Host : **Garrulax r. ruficollis** Jardine & Selby, [India : Manipur]
44. **vulgata** (Kellogg), 1896, (*Nirmus*). *Occ. Pap. Calif. Acad. Sci.*, (2) 6 : 495, pl. 67, fig. 5.
Hosts : (*Urocissa malabarica*) = **Lonchura malabarica** (Linne) [Pakistan : Lyallpur] & (*Saxicoloides fulvicata cambaiensis* (Latham), [Pakistan : Lyallpur], may be No. 6. Ansari, 1947. *Proc. nat. Inst. Sci. India*. 13 (6) : 287 as *Painjunirmus vulgata*.
xanthocollis Ansari, 1955. See *Nigrornirmus*.
45. **zotherae** (Clay), 1936, (*Degeeriella*). *Proc. Zool. Soc. Lond.*, (1935), 2 : 909, figs. 4, 7a, pl. 2 fig. 1.
Host : **Zothera marginata** Blyth, [parvula Delacour], [India : Himalaya].

46. sp. indeterminate Ansari, 1947. *Proc. natn. Inst. Sci. India*. 13 (6) : 2.

Host : **Oenanthe picata** (Blyth), [Pakistan : Lyallpur].

18. *Buceronirmus* Hopkins, 1941

Buceronirmus Hopkins, 1941, *J. ent. Soc. Sthrn Afr.*, 4 : 43.

Type species: *B. longicuneatus* Hopkins.

1. **albescens** (Piaget), 1890, (*Nirmus*) *Tijdschr. Ent.*, 33 : 226, pl. 8, fig. 4.

Host : **Anthracoceros albirostris** Gyldenstolpe (?), [Nepal], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 86.

2. **zonatus** (Piaget), 1881, (*Lipeurus*). *Tijdschr. Ent.*, 24 : 3, pl. 1 fig. 3.

Host : (*Buceros nepalensis*) = **Aceros nipalensis** (Hodgson). [Nepal]; also Kellogg, 1908. *Genera Insectorum*; 46,

19. *Campanulotes* Kéler, 1939

Campanulotes Kéler, 1939, *Nova Acta Leop.-Carol.* (n. F.) 8 : 157.

Type species : *Goniocotes compar* 'Nitzsch'.

1. **bidentatus** (Scopoli), 1763, (*Pediculus*). *Entomologia Carniolica*: 385.

Host : **Columba livia intermedia** Strickland & **Streptopelia decaocta** (Frigaldzsky), [Pakistan : Lyallpur], Ansari, 1947. *Proc. natn. Inst. Sci. India*, 13 (6) : 296.

2. **compar** (Eurmeister), 1838, (*Goniocotes*). *Handb. Ent.* 2 : 431.

Host : **Columba livia intermedia** Strickland, [India : Punjab] Ansari, 1956, *Indian J. Ent.* (1955), 17 (3) : 398. & Ansari, 1959. *Indian J. Ent.* (1958), 20 (2) : 96.

3. **heteroceros** Tendeiro, 1969. *Rev. Cienc. vet. Sec. (A)* 2 : 399, figs.

Host : **Columba l. leuconota** Vigors, [India : Sikkim].

20. *Capraiella* Conci, 1941

Capraiella Conci, 1941, *Boll. Soc. ent. Ital.*, 73 : 126.

Type species : "*Degeeriella subcuspidata* Nitzsch".

1. **masumae** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* ; 47,

Host : *Coracias b. benghalensis* (Linne), [Pakistan], also Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 398 and Ansari, 1959. *Indian J. Ent.* (1958). 20 (2) : 94 fig. 195.

2. **sabzak** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*, 46.

Host : *Coracias b. benghalensis* (Linne), [Pakistan]; also Ansari 1956. *Indian J. Ent.*, (1955), 17 (3) : 398 and Ansari 1959. *Indian J. Ent.*, (1958), 20 (2) : 93, figs. 188-194=probably no. 3.

3. **subcuspidata** (Burmeister), 1838 (*nec* Piaget, 1880), (*Nirmus*). *Handb. Ent.*, 2 : 430.

Host : *Coracias b. benghalensis* (Linne), [India : Lucknow], Tandan, 1955. *Ann. Mag. natn. Hist.*, (12) 8 : 425. figs. 13-16.

21. *Carduiceps* Clay & Meinertzhagen, 1939

Carduiceps Clay & Meinertzhagen, 1939, *Ann. Mag. nat. Hist.* (11) 4 : 451.

Type species : *Degeeriella complexiva* (Kellogg & Chapman).

1. **cingulatus** (Denny), 1842, (*Nirmus*). *Mon. Anopl. Brit.*, 54, 146, pl. 11, fig. 3.

Host : *Limosa l. limosa* (Linne), [India], (Slide in B. M. (Nat. Hist.), (cf. Timmermann, 1954. *Ann. Mag. nat. Hist.*, (12) 8 : 527).

2. **scalaris** (Piaget), 1880, (*Nirmus*). *Pediculines* : 190, pl. 17, fig. 2.

Host : *Philomachus pugnax* (Linne), [Pakistan]. Ansari, *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 49; also in Ansari, 1956. *Indian J. Ent.*, (1958), 20 (2) : 97.

3. **zonarius** (Nitzsch), 1866, (*Nirmus*). *Z. ges. NatWiss.*, 28 : 374.

Host : (*Erolia m. minuta*) = *Calidris m. minutus* (Leisler), [Pakistan : Lyallpur], Ansari, 1947. *Proc. natn. Inst. Sci. India*, 13 (6) : 280 as *Carduiceps cingulatus zonarius* (Nitzsch).

Carrikericeps Eichler & Ztotorzycka, 1964

Carrikericeps. Eichler & Ztotorzycka, 1964. *Dtsch. ent. Zeitschr.*, (n. F.), 11 (4-5) :

320. Type species : *quadriceps punensis* Carriker.

For the time retained under *Quadriceps*.

Chadriceps Ztotorzycka, 1967

Chadriceps Ztotorzycka, 1967, *Pol. Pismo Ent.*, 37 (4) : 728.

Type species : *Pediculus hiaticulae* O. Fabricius.

For the retained under *Quadriceps*.

22. Chapinia Ewing, 1927

Chapinia Ewing, 1927, *J. Wash. Acad. Sci.*, 17 : 88.

Type species : *Chapinia robusta* Ewing.

1. **acutovulvata** (Piaget), 1881, (*Menopon*), *Tijdschr. Ent.*, 24 : 5, pl. 1, fig. 4.

Hosts : (*Buceros malabaricus*) = **Anthracoceros malabaricus** (Gmelin), [Nepal], **A. albirostris leucogaster** (Blyth) ? [Burma : Myitkina], **A. coronatus** (Boddaert), [India : Kanha (M. P.) & Nawadeh, Bihas (=probably Nawada, Bihar) & elsewhere; Sri Lanka (Ceylon)], Elbel, 1967. *Proc. U. S. Nat. Mus.*, 120 (3558) : 23, figs. 9, 10, 35, & 36.

2. **clayae** Elbel, 1967. *Proc. U. S. Nat. Mus.*, 120 (3558) : 21, figs. 8, 33, & 34.

Hosts : **Tockus birostris** (Scopoli), [India : Rajasthan (Rajputana), Kotla (Kangra), Bherahat, Belwani (Kisli), Kanha, Baihar (Balaghat), all in Madhya Pradesh (old C.P.), Kalnali, & Nichland (U.P.); Nepal : Simra and other areas]; & *T. g. griseus* (Latham), [India : Nilambu(s)r (Kerala)].

23. Chelopistes Kéler, 1939

Chelopistes Kéler, 1939, *Nova Acta Leop. Carol.* (n. F.), 8 : 180.

Type species : *Rhopaloceras stylifer* (Nitzsch).

Virgula Clay, 1941, (*nec.* Simpson, 1900), *Parasitology*, 33 : 119.

Type species : *Goniodes meleagridis* Linne.

1. **lervicola** (Clay), 1941, (*Virgula*). *Parasitology*, 33 : 124, figs. 5-7.
Host : **Lerwa lerwa** (Hodgson), [India : Sikkim].

24. Ciconiphilus Bedford, 1939

Ciconiphilus Bedford, 1939, *Onderstepoort J. vet. Sci.*, 12 : 141.

Type species : *Colpocephalum quadripustulatum* "Nitzsch".

1. **decimfasciatus** (Boisduval & Lacordaire), 1835, (*Liotheum*). *Faune ent. Environs Paris* : 123.

Host : **Bubulcus ibis coromandus** (Boddaert), [Pakistan : Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 154, fig. 11 as *Pseudocolpocephalum doraibagla* Ansari, *Nycti corax n. nycticorax* (Linne), [Pakistan : Karachi], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 54; Ansari, 1956. *Indian J. Ent.*, (1955). 17 (3) : 399 and also Ansari, 1956. *Pakistan J. Sci., Res.* 8 (2) : 57 as *Colpcephalum nyctardis* Denny; also Carriker, 1964. *Rev. Bras. Biol. Rio de Janeiro*, 24 (1) : 98, fig. 5 as *Ciconiphilus doraibagla* (Ansari); **Ardea purpurea** Linne, [India], Price & Beer, 1965. *Canad. Ent.*, 97 (6) : 661. figs. 10-12.

(2). *doraibagla* (Ansari), 1951, (*Pseudocolpocephalum*). *Proc. natn. Inst. Sci. India.*, 17 (2) : 154, fig. 11. = no. 1.

3. **matosi** (Tendeiro), 1958, (*Colpocephalum*). *Publ. Cult. Cia Diamant* Angola, No. 40 : 92.

Host : **Ibis leucocephalus** (Pennant), [India], Price & Beer, 1955. *Canad. Ent.*, 97 (6) : 660, figs. 13-15.

(4). *nyctardis* (Denny), 1842, (*Colpocephalum*). *Mon. Anopl. Brit.*, : 199, 215, pl. 20, fig. 9. = no. 1.

5. **quadripustulatus** (Burmeister), 1838, (*Colpocephalum*). *Handb. Ent.*, 2 : 438.

Hosts : **Xenorhynchus a. asiaticus** (Latham), **Anastomus oscitans** (*Dissoura e. episcopus*) **Ciconia e. episcopus** (Boddaert), [India], Price & Beer, 1965. *Canad. Ent.*, 97 (6) : 658, figs. 1-3.

6. **temporalis** (Piaget), 1880, (*Menopon*). *Pediculines* : 487.

Host : **Leptoptilos dubius** (Gmelin), [Burma : (Zoo) : India] & **L. javanicus** (Horsfield), [India], Price & Beer, 1965. *Canad. Ent.*, 97 (6) : 659, figs. 4-7.

Cirrophthirius Timmermann, 1953

Cirrophthirius Timmermann, 1953, *Bombus*, 78/79 : 330. Type species : *Cirro-phthirius recurvirostris* (Linne)

Abosolute synonym of *Rhombiceps* Eichler.

Cistellatrix Timmermann, 1953

Cistellatrix Timmermann, 1953, *Bombus*, 78/79 : 331. Type species : *Cistellatrix decipiens* (Denny).

For the present treated under *Quadriceps*.

25. *Coloceras* Taschenberg, 1882

Coloceras Taschenberg, 1882, *Nova Acta Leop.-Carol.*, 44 : 42.

Type species : (by subsequent designation) Harrison, 1916, *Parasitology*, 9 : 21) : *Goniodes damicornis* Nitzsch.

1. **aegyptiacum** (Kellogg & Paine), 1911, (*Goniocotes*). *Bull. ent. Res.*, 2 : 148, pl. 5, figs. 2, 2a.
Host : **Columba livia intermedia** Strickland, [India : Punjab]. Ansari 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 48; also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 398 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 96.
2. **chinense** (Kellogg & Nakayama), 1902, (*Goniocotes*). *J. N. Y. ent. Soc.*, 10 : 160, pl. 13, fig. 5.
Host : **Streptopelia chinensis** (Scopoli), [Burma; India; Nepal]. (Slides in B. M. (Nat. Hist.).)
3. **lativentre** (Uchida), 1916, (*Goniodes*). *Annot. Zool. Jap.*, 9 : 81, figs. 1 & 2.
Host : **Streptopelia chinensis suratensis** (Gmelin), [India : Punjab], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 48; also in Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 398.
- (4) **minus** (Piaget), 1880, p. 256 (*Goniodes*), *nec G. minor* Piaget, 1880, 241, 248, *Pediculines* : 256, pl. 21, fig. 3. =no. 5.
5. **piageti** (Johnston & Harrison), 1912, (*Goniodes*). *Proc. roy. Soc. Qd.*, 24 : 19. *Nomen novum* for *Goniodes minor* Piaget, 1880, *Pediculines* : 256.
Host : **Streptopelia chinensis suratensis** (Gmelin) & **S. decaocta decaocta** (Frivaldszky), [Pakistan : Lyallpur] Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 294.
6. **sofloticus** Eichler, 1950. *Doriana*, 1 : 3, figs. 1 & 2.
Host : **Streptopelia d. decaocta** (Frivaldszky), [India : Punjab], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*, 48, also in Ansari, 1956. *Indian J. Ent.*, 17 (3) : 398, also Ansari, 1959. *Indian J. Ent.*, (1958) : 20 (2) : 96.

25a. *Coloceroides* Tendeiro, 1972

Coloceroides Tendeiro, 1972, *Rev. de ciencias Vet.* Laurencó

Marques 5. Ser. A.: 25. Type species: *Coloceroides nitens* Tendeiro, 1972.

1. **indicus** Tendeiro, 1973. *Rev. de Cienc. vet.*, 6 Ser. A; 188, Photo 1-3.
Host : *Columba hodgsonii* Vigors [India : Sikkim] (Slides in Br. Mus. nat. Hist. (Ent.) London).
2. **unchalli** Tendeiro, 1972. *Rev. de ciencias Vet.*, Laurencó Marques 5. Ser. A : 38, fig. 2, photos 9, 14 & 15.
Host : *Macropygia unchall tubalia* (Blyth) [India : Kan. gpokpi, Manipur].

26. *Colpocephalum* Nitzsch, 1818

Colpocephalum Nitzsch, 1818, *Germar's Mag. Ent.*, 3 : 298. Type species : "*Colpocephalum Zebra* Burmiester" (vide *Bull. Zool. Nomencl.*: 1951, 6 (2) : 56-57).

Ferrisia Uchida, 1926 (nec Fullaway, 1923), *J. Coll. Agric. Tokyo*, 9 : 43. Type species : *Colpocephalum turhinetum* Denny.

Neocolpocephalum Ewing, 1933, *J. Parasitol.*, 20 : 65. *Nomen novum* for *Ferrisia* Uchida.

Pseudocolpocephalum Qadri, 1936, *Z. parasitenk.*, 8 : 640.

Type species : *P. uchidi* Qadri.

Allocolpocephalum Qadri, 1939, *Indian J. Ent.*, 1 : 66.

Type species : *Colpocephalum semicinctum* Rudow.

Galliferrisia Ansari, 1951, *Proc. nat. Inst. Sci. India*, 17 (2) : 150.

Type species : *Galliferrisia tausi* Ansari.

1. **aethiopicae** Price & Beer, 1965. *Ann. Ent. Soc. Amer.*, 58 (1) : 121, figs. 38-40.
Host : *Threskiornis m. molucca* (Cuvier), [India].
affine Nitzsch, 1874. See *Actornithophilus*.
2. **angulaticeps** Piaget, 1880. *Pediculines* : 569.
Host : *Fregata ariel* (G. R. Gray), [Sri Lanka (Ceylon)]
same host, [Sri Lanka (Ceylon)], Price, 1967, *Canal. Ent.* 99 (3): 277, figs. 12-16.
3. **apivorus** Tendeiro, 1953. *Publ. Cult. de Camp. Diam. Angola*, no. 40 : 89.
Host : (*Pernis apivorus ruficouis*) *Pernis ptilorhynchus ruficollis* Lesson; [India], Price & Beer, 1963. *Canad. Ent.*, 95 (7): 751, figs. 41 & 45.

4. **asiatici** Price & Beer, 1965. *Ann. Ent. Soc. Amer.*, 58 (1) : 114. fig. 19.
Host : **Xenorhynchus a. asiaticus** (Latham), [India].
5. **barbati** Price & Beer, 1963. *Canad. Ent.*, 95 (7) : 748, figs. 34-37.
Host : **Gypaetus barbatus aureus** (Hablizl), [Afghanistan: Kabul].
- (6) **bengalensis** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 58. = no. 10.
7. **cooki** Price & Beer, 1965, *Ann. Ent. Soc. Amer.*, 58 (1) : 116, figs. 23 & 24.
Hosts : **Leptoptilos dubius** (Gmelin), [Burma : Mandalay], & **L. javanicus** (Horsfield), [India].
8. **davisoni** Price & Beer, 1965. *Ann. Ent. Soc. Amer.*, 58 (1) : 125, fig. 74.
Host : **Pseudibis davisoni** (Hume), [Burma].
dolium Rudow, 1869. See *Pseudomenopon*.
doraibagla (Ansari), 1951. See *Ciconiphilus*.
9. **flavescens** (Haan), 1829, (*Liotheum* s.g. *Colpocephalum*). *Mem. Mus. Hist. nat. Paris*, 18 : 309. *Nomen novum* for Lyonet's pou d'aigle l.c. 262, pl. 12, figs. 1-3.
Host : **Haliastur indus** (Boddaert), [India]. Piaget, 1880 *Pediculines* : 516 as *C. flavescens* var. *alpha.*; also Kellogg, 1908. *Genera Insectorum* : 55, (*Haliaster indus*) = **Haliastur indus** (Boddaert), [India: Calcutta], Kellogg & Nakayama, 1915. *Rec. Indian Mus.*, 11 (1) : 139 as *C. flavescens* Nitzsch.
10. **fregili** Denny, 1842. *Mon. Anopl. Brit.*, 198, 208.
Hosts : **Corvus splendens** Vieillot, [India : Calcutta & Trivandrum] & **C. [splendens]**, **insolens** Hume [Burma : Mergui], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 228 as *C. semicinctum* Rudow; (*Corvus corax laurencei*) = **CORVUS, CORAX SUBCORAX** Severtzov & **C. s. splendens** Vieillot, [India: Punjab], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 163 as *Col. subaequale* Burmeister; also as *Col. laurencei* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 51 *Nomen novum* for *Col. subaequale* Burmeister, 1838

(*nec* Haan, 1829) *Handb. Ent.* 2:438; also as *Col. laurencei* Ansari, 1956. *Nomen novum* for *Col. subaequale* Burmeister (*nec* Haan, 1829), Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3): 399 & Ansari, 1957. *Indian J. Ent.* (1956), 17 (2) : 163; **Corvus macrorhynchus** Wagler, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 58, [Bangla Desh : Harbanga (Chittagong Dist.)], Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 399 & Ansari, 1956. *Pakistan J. Sci. Res.*, 8 (2) : 57, figs. 1-7 as *Col. bengalensis* Ansari, 1955; **Corvus s. splendens** Vieillot, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* 51 & Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 399 and Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 428. figs. 1-9 as *Col. splendens* Ansari, 1955; and **Corvus splendens** Vieillot, [India : Burma], & **C. macrorhynchus** Wagler, [Burma], Price & Beer, 1965. *Proc. Ent. Soc. Wash.*, 67 (1) : 7, figs. 1-4; **C. splendens** Vieillot, [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 108.

grandiceps Piaget, 1880. See *Actornithophilus.*, *corvus.*

11. **griffoneae** Ansari, 1955*. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 51.
Host : **Gyps himalayensis** Hume, [Pakistan]; also Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 399 and Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 428, figs. 10-14; Price & Beer, 1963. *Canad. Ent.* 95 (77) : 761.
- (12) *gypae* (Qadri), 1935, (*Neocolpocephalum*). *Z. Parasitenk.*, 8 : 229. fig. 3. = no. 39.
13. **heterosoma** Piaget, 1880. *Pediculines* : 572, pl. 48, figs. 3 & 4.
Host : (*Phoenicopterus antiquorum*) **Phoenicopterus rosens pallas** [India], Clay, 1951. *Ann. Mag. nat. Hist.*, (12) & 4 : 1159, figs. 1-7, 9-12, pl. 20, figs. 1, 2 & 4.
hoplopteri Mjöberg, 1910. See *Actornithophilus.*
14. **impressum** Rudow, 1866. *Z. ges. NatWiss.* 27 : 475.
Host : **Aquila n. nipalensis** (Hodgson), [India], Price & Beer, 1963. *Canad. Ent.*, 95 (7) : 747. figs. 35 & 38., on the same host, [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 108.

* spelled as 'griffoni' emended by Price & Beer.

15. **indi** Price & Beer, 1963. *Canad. Ent.* 95, (7) : 751, figs. 42 & 46.
Host : **Haliastur indus** (Boddaert), [Burma; India], on the same host, [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 108.
- (16) **laurencei** Ansari, 1955. *Proc. 7th Sci. Conf. Sec. Agric.* : 51. *Nomen novum* for *Col. subaequale* Burmeister, 1838 (nec. Haan, 1829). = no. 10.
17. **leucocephali** Price & Beer, 1965. *Ann. Ent. Soc. Amer.*, 58 (1) : 116, figs. 16.
Host : **Ibis leucocephalus** (Pennant), [India : (Rajaputana) Rajasthan; Sri Lanka (Ceylon) : nr. Hambantota]. on the same host. [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 103.
18. **longicaudum** Nitzsch, 1866. In Giebel's *Z. ges. Nat Wiss.*, 28 : 39.
Host : **Columba livia [domestica]** (Gmelin), [India : Calcutta] Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 231.
macilentus Nitzsch, 1866. See *Heleonomus*.
- (19) **maculatum** Piaget, 1880. *Pediculines* : 516, pl. 43, fig. 1 = no. 27.
mianarium Kellogg, 1910. See *Heleonomus*.
20. **melanocephalae** Price & Beer, 1965. *Ann. Ent. Soc. Amer.*, 58 (1) : 121, figs. 49-51.
Host : **Threskiornis melanocephala** (Latham), [India : (Rajaputana) Rajasthan & Deccan; Sri Lanka (Ceylon)].
21. **napiforme** Rudow, 1869, *Z. ges. NatWiss*, 34 : 395.
Host : **Ichthyophaga ichthaetus plumbeiceps** Stuart Baker, [Sri Lanka (Ceylon)]. Price & Beer, 1963. *Canad Ent.*, 95 (7) : 746, fig. 32.
nyctardae Denny, 1842. See *Ciconiphilus*.
22. **occipitale** Nitzsch, 1864. In Giebel's *Z. ges. NatWiss.*, 28 : 394.
Host : **Anastomus oscitans** (Boddaert), [India], Price & Beer, 1965. *Ann. Ent., Soc. Amer.*, 58 (1) : 115, figs. 17 & 18.
ochraceum Nitzsch, 1818. See *Actornithophilus*.
23. **oscitansi** Price & Beer, 1965. *Ann. Ent. Soc. Amer.*, 58 (1) : 126. figs. 93 & 94.

- Host : **Anastomus oscitans** (Boddaert), [India : Moirang (Manipur)].
patellatum Piaget, 1890. Sec. *Actornithophilus*.
24. **pectinatum** Osborn, 1902. *Ohio. Nat.*, 2 : 201.
 Hosts : **Athene brama indica** (Franklin), [India : (Rajaputana) Rajasthan] & **Otus b. bakkamoena** Pennant, [Sri Lanka (Ceylon)], Price & Beer, 1963. *J. Kansas Ent. Soc.*, 36 (1) : 61, figs. 1-4 & 7.
pediculoides, Mjöberg, 1910, See *Actornithophilus*.
25. **percnopteri** Price & Beer, 1963, *Canad. Ent.*, 95 (7) : 758.
 Host : **Neophron percnopteri** (Linne), [India : Deccan].
26. **plataleae** Price & Beer 1965. *Ann. Ent. Soc. Amer.*, 58 (1) : 123, figs. 61-63.
 Host : **Platalea leucordia** (Linne), [India : (Rajaputana) Rajasthan].
27. **polybori** Rudow, 1869, *Z. ges. NatWiss.*, 34 : 397.
 Host : (*Vultur monachus*) = **Aegypocercus monachus** (Linne) [India : Dhappa (Calcutta)], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 242 as *Col. maculatum*?
pustulosum Piaget, 1890. See *Actornithophilus*.
quadripustalatum Burmeiester, 1838. See. *Ciconiphilus*.
28. **rosei** Price & Emerson, 1974. *J. Kans. Ent. Soc.*, 47 (1) : 63-66, 3 figs.
 Host : **Phoenicopterus roseus**. (Pallas), [India : Pt. Calimere, Thanjavur, Tamil nadu].
29. **salimalii** Clay, 1951. *Ann. Mag. nat. Hist.*, (12) 4 : 1162, figs. 8, 14, 15, pl. 20, figs. 3 & 5.
 Host : (*Phoenicopterus antiquorum*) = **Phoenicopterus roseus** Pallas, [India : Kutch]; also on the same host, [India], Price & Beer, 1965. *Ann. Ent. Soc. Amer.*, 58 (1) : 128, fig. 92.
- (30) **semicinatum** Rudow, 1866. *Z. ges. NatWiss.*, 27 : 475. = no. 10.
spinulosum Piaget, 1880. See. *Actornithophilus*.
31. **sinensis** Price, 1968. *Ann. Ent. Soc. Amer.*, 61 (4) : 819, fig. 4.
 Host : **Centropus sinensis sinensis** (Stephens), [India : Bahawalpur]. May be Bahawalpur in Pakistan].

- (32) *splendens* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 51. no. 10.
- (33) *subaequale* Burmeister, 1838 (*nec.* Haan, 1829). *Handb. Ent.*, 2 : 438. no. 10.
subpachygaster Piaget, 1880. See *Kurodaia*.
34. *tausi* (Ansari), 1951, (*Galliferrisia*). *Proc. natn. Inst. Sci. India*, 17 (2) : 151, fig. 10.
Host : *Pavo cristatus* (Linne), [India : Hoshiarpur; Atari], also on the same host, [India : Lucknow; Nepal], Price & Beer, 1964. *Ann. Ent. Soc. Amer.*, 57 : 394, figs. 12-14.
35. *tetraophasis* Price & Beer, 1964. *Ann. Ent. Soc. Amer.*, 57 : 395, figs. 26 & 27.
Host : *Tetraophasis obscurus* (J. Verreaux), [China : Yunnan] & *Lerwa lerwa* Hodgson, [China : Szechwan].
36. *thoracicum* Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 230, fig. 3.
Host : *Pavo muticus* Linne, [Burma].
37. *tirkhan* (Ansari), 1951, *Cuculiphilus* (*Picusphilus*). *Proc. nat. Inst. Sci. India.* : 7 (2) : 164, fig. 15.
Host : *Picus squamatus squamatus* Vigors, [India : Simla Kangra & Kulu Valleys, Punjab]; also in Price & Beer, 1964. *New York Ent. Soc.*, 72 : 167, fig. 9.
- (38) *Tricinctum* Nitzsch, 1961. In Giebel's *Z. ges. NatWiss.*, 17 : 524. =no. 39.
trilobatum Giebel, 1874. See *Actornithophilus*.
trochioxum Burmeister, 1838. See *Ardeiphilus*.
39. *turbinatum* Denny, 1842. *Mon. Anopl. Brit.*, 198, 209, pl. 21, fig. 1.
Hosts : (*Vultus indicus*) = *Gyps indicus* (Scopoli), [India], Qadri, 1935. *Z. Parasitenk.*, 8 : 229, fig. 3 as *Neocolpocephalum gypae* Qadri; *Milvus migrans govinda* Sykes [Pakistan : Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 154 as *Col. tricinctum* Nitzsch.; *Columba livia* Gmelin [Sri Lanka (Ceylon)], *Haliaeetus leucoryphus* (Pallas), [India : Lucknow], *Milvus migrans* (Boddaert), [India], (*Milvus l. lineatus*) *Milvus migrans lineatus* (J. E. Gray), [Burma], *Gyps*.

i. **indicus** (Scopoli), [India: (Rajaputana) Rajasthan]. (*Pseudogyps bengalensis*) = **Gyps bengalensis** (Gmelin), [India], **Haliastur indus** (Boddaert), [Burma; India]: Deccan, Sri Lanka (Ceylon)], **Spizaetus n. nipalensis** (Hodgson), [Nepal], & (*Buteo burmanicus burmanicus*) = **Buteo buteo burmanicus** Hume, [Burma], Price & Beer, 1963. *Canad. Ent.*, 95 (7) : 754, figs. 17, 23, 24, 49, 53 & 57. (One slide containing a male and female specimens on **Columba livia** Gmelin, (Reg. No. 1089/H8), Z.L.M.U. Aligarh, Coll. Dr. Qadri; and one slide containing a specimen from the same host from Sylhet, Assam (India), Coll. J. M. Roy is available in Z.S.I.).

40. **achidi** (Qadri), 1936, (*Pseudocolpocephalum*). *Z. Parasitenk.*, 8, 64, figs. 2 & 3.

Host : (*Dissoura e. episcopus*) **Ciconia e. episcopus** (Boddaert), [India].

umbrinus Burmeister, 1838. See *Actornithophilus*.

41. **zerafae** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 52,

Host : (*Falco jugger*) = **Falco biarmicus jugger** J. E. Gray, [Pakistan]; also Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 399 & Ansari, 1957. *Indian J. Ent.* (1956), 18 (4) : 428, figs. 15-18; **Accipiter badius** (Gmelin), [India], Price & Beer, 1963. *Canad. Ent.* 95 (7) : 758, figs. 27, 55 & 59, **F. tinnunculus** Linne, [India], Emerson, 1978. In : *Some ectoparasites of the birds of Asia* : 109.

42. **species indeterminate**, Ansari, 1956. *Pakistan J. Sci. Res.* 8 (2) : 53.

Host : **Hieraaetus pennatus** (Gmelin), [Pakistan : Shujawal (Tatta Dist.), Sind.].

27. **Columbicola** Ewing, 1929.

Columbicola Ewing, 1929, *Man. ext. Parasites* : 190. Type species: *Esthioptem columbae* (Linne).

- (1). **baculus** (Nitzsch), 1818, (*Philopterus*) s.g. *Lipeurus*, *Germa's Mag. Ent.*, 3 : 293. *Nomen novum* for Redi's Plate, 2, Upper fig. and *Pediculus columbae* "Panzer" = no. 2.

2. **columbae** (Linne), 1758, (*Pediculus*). *Syst. Nat. ed.* 10: 614. *Nomen novum* for Redi's "Pollino del piccion grosso".

Hosts : (Domestic pigeon) **Columba livia** [domestica Linne], [India : Calcutta], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 : 242 as *Lipeurus baculus* Nitzsch; **Columba l.** [domestica Linne] & (*Crocopus p. phoenicopterus*) = **Treron phoenicoptera** (Latham), [India : Ambala], **Columba l. intermedia** Strickland, **Streptopelia chinensis suratensis** (Gmelin), **S. senegalensis cambayensis** (Gmelin) (material of this host may be same as no. 12). **s.d. decaocta** (Frivaldszky), & (*Oenopopelia t. tranquebarica*) = **Streptopelia t. tranquebarica** (Hermann), (material from this host may be same as no. 8). [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 259.

3. **confusissimus** Eichler, 1947. *Tierartz. Umschau*, 2 : 264. *Nomen novum* for "*Columbicola baculus* Sensu Wd. Eichler, C1942g (*S. B. Ges. natur. Fr. Berl.*) pp. 273-274.

Host : **Streptopelia d. decaocta** (Frivaldszky), [India ? : Punjab], Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 398 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 94.

4. **elbeli** Tendeiro, 1965. *Jta. Invest. Ultramar.* (2), 32 : 321, figs. 108, 109, 155-160. photos, 220, & 221.

Hosts : (*Sphenurus sphenurus*) = **Treron sphenura** (Vigors) [India : Sikkim; Nepal] & **Treron pompadora** (Gmelin), [Burma; India : Nepal, Sri Lanka (Ceylon)]; (Slides in B. M. Nat. Hist.).

ewingi Qadri, 1935. See *Anaticola*.

5. **exilicornis** (Piaget), 1880, (*Lipeurus*). *Pediculines* : 679, pl. 56, fig. 9.

Host : **Macropygia unchall** (Wagler), [India; Nepal], Tendeiro, *Jta. Invest. Ultramar*, (2) 32 : 175, figs. 46-51, photos 63-67, 202. (Slides in B. M. Nat. Hist.).

6. **fulmeki** Eichler, 1942. *S. B. Ges. Naturf. Fr. Berl.* (1941) : 274, fig. 2.

Host : **Streptopelia chinensis suratensis** (Gmelin), [India : Punjab], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*, : 47; also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 398 & Ansari, 1959. *Indian J. Ent.* (1958), 20 (2) : 94.

7. **guimaraesi** Tendeiro, 1965. *Jta. Invest. Ultramar* (2) 32 : 166, fig. 42. photos 51-54, 199.

- Host : **Chalcophaps indica** (Linne), [India : Dehradun], (Slides in B. M. Nat. Hist.), **Columba vitiensis** Quoy & Gaimard? [Bhutan], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 87.
8. **hopkinsi** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 47.
 Host : (*Oenopopelia t. tranquebarica*) = **Streptopelia t. tranquebarica** (Hermann). [Pakistan]; also in Ansari, 1956. *Indian J. Ent.* (1955). 17 (3): 398 and Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2): 96, figs. 204-210.
9. **keleri** Tendeiro, 1965. *Jta. Invest. Ultramar*, (2) 32 : 127.
 Host : **Columba hodgsonii** vigors, [India : Punjab].
10. **orientalis** Tendeiro, 1965. *Jta Invest. Ultramar*, (2) 32 : 232.
 Host : **Streptopelia orientalis** (Latham), [Nepal].
11. **phoenicopterae** Tendeiro, 1965. *Jta. Invest. Ultramar*, (2) 32 : 321, figs. 110, 111. photos 61-164, 222.
 Host : **Treron phoenicopterae** (Latham), [India], as *C. elbeli phoenicopterae* Tendeiro. (Slides in B. M. Nat. Hist.)
12. **theresae** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 47.
 Host : **Streptopelia senegalensis cambayensis** (Gmelin), [Pakistan], also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 398 and Ansari, 1959. *Indian J. Ent.*, (1958), 20, (2) : 94, figs. 196-203.

Columbimenopon Ansari, 1951.

Columbimenopon Ansari, 1951, *Proc. nat. Inst. Sci. India*, 17 (2) : 130.

Type species : *Columbimenopon modestus* Ansari.

Chanabensis Ansari, 1951, See *Nosopon*.

modestus Ansari, 1951, See *Hohorstiella*.

28. Comatomenopon Uchida, 1920.

Comatomenopon Uchida, 1920, *Annot. Zool. Japan.* 9 : 648. Type species : *Comatomenopon elongaumi* Uchida.

1. **grayi** Price, 1965. *Pan-Pacific Entomologist*, 41 (2): 83, figs. 11, 12.
 Host : **Ardeola grayii** (Sykes), [Sri Lanka (Ceylon)].

Corvonirmus Eichler, 1944

Corvonirmus Eichler, 1944. *Stettin. ent. Ztg.*, 105 : 80. Type species : *Nirmus uncinosus* "Nitzsch in Burmeister".

Not separable from *Brueelia*.

29. *Craspedorrhynchus* Kéler, 1938

Craspedorrhynchus Kéler, Aug. 1938, *Arb. morph. tax. Ent. Berlin-Dahlem*, 5 : 239. Type species : *Docophorus piatystomus* Nitzsch.

Falcoecus Clay & Meinertzhagen, Dec. 1938, *Entomologist*, 71 : 275.
Type species : *Philoptyerus aquilinus* (Denny).

1. **chicquerae** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 48.
Host : (*Falco c. chiquera*) = **Falco c. chicquera** Daudin, [Pakistan]; also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 398 and Ansari, 1959 *Indian J. Ent.*, (1958), 20 (2) : 97. figs. 211-212. Two different spellings were used, one rightly with a C and other without it by the author.
- (2) **gonorrhynchus** (Nitzsch), 1861, (*Docophorus*). In Giebel's *Z. ges. NatWiss.*, 17 : 526. = no. 3.
3. **nisi** (Denny), 1842, (*Docophorus*). *Mon. Anopl. Brit.*, 48; 109 pl. 3, fig. 11.
Host : (*Milvus melanotis*. Error) = Probably **Spilornis cheela melanotis** (Jerdon). [India : Kurseong], Kellogg & Nakayama, 1915. *Rec. Indian. Mus.*, 11 (1) : 139 as *Doc. gonorrhynchus* Nitzsch.
4. **platystomus** (Burmeister), 1838, (*Docophorus*). *Handb. Ent.*, 2 : 426,
Host : **Corvus** [corone], **cornix** Linne, [India : Gilgit]. Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 : 234 as *Doc. pltaystomus* Nitzsch. Probably error.
5. **ranjhae** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 49.
Host : (*Hieaaetus? pennatus*) = **Hieraaetus pennatus** (Gmelin), [Pakistan : Shujawal (Dt. Tatta)]; also Ansari, 1956. *Pak. J. Sci. Res.*, 8 (1) ; 14, figs. 17-22 and Ansari 1956. *Indian J. Ent.*, (1955), 17 (3) : 398. Different spellings for the host name has been used by the author.
6. **spathulatus** (Giebel), 1874, (*Docophorus*). *Insecta epizoa* : 73.

Host : *Milvus migrans govinda* Sykes, [India], Sen, 1942. *Indian J. vet. Sci.*, 12 : 171, fig. 2 as *philopterus tropicus* Sen; also on the same host, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*. 13 (6) : 237, as *Falcoecus ? milvi* (Mjöberg); also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 398 and Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 96.

7. **triangularis** (Rudow), 1869, (*Docophorus*). *Beitr. Kenntn. Malloph.*, 10.

Host : *Circaetus gallicus* (Gmelin), [Pakistan : Sakrand (Nawabshah Dt.)], Ansari, 1956. *Pak. J. Sci. Res.* 8 (1) : 15 and Ansari, 1956, *Indian J. Ent.*, (1955) 17 (3) : 398.

(8). **tropicus** Sen, 1942, (*Philopterus*). *Indian J. vet. Sci.*, 12 : 171, fig. 2. = no. 6.

30. **Ctenigogus** Eichler & Zlotorzycza, 1963

Ctenigogus Eichler & Zlotorzycza, 1963, *Angew. Parasitol.*, 4 : 40, 6 figs. Type species : *C. erinaceimorphus* Eichler & Zlotorzycza.

1. **erinaceimorphus** Eichler & Zlotorzycza, 1963. *Angew. Parasitol.*, 4 : 40, 6 figs.

Host : (*Pseudogyps bengalensis*) = *Gyps bengalensis* (Gmelin), [India].

31. **Cuclotogaster** Carriker, 1936

Cuclotogaster Carriker, 1936, *Proc. Acad. natn. Philad.*, 88 : 67.

Type species : *C. laticorpus* Carriker.

Gallipeurus Clay, 1938, *Proc. zool. Soc. Lond.*, (3) 108 : 135.

Type species : *Lipeurus heterographus* "Giebel".

1. **cinereus** (Nitzsch), 1866, (*Lipeurus*). *Z. ges. Nat Wiss.*, 27 : 118.

Host : *Coturnix c. coturnix* (Linne), [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 293.

2. **heterographus** (Nitzsch), 1866, (*Lipeurus*). *Z. ges. NatWiss.*, 28 : 381.

Host : *Gallus gallus [domesticus]* Linne, [India : Punjab], Ansari, 1943. *Indian J. Ent.*, 5 (1 & 2) : 133 as *Gallipeurus heterographus* Nitzsch; *G. g. [domesticus]* Linne, [India : Hoshiarpur], *Alectoris graeca pallescens*

- (Hume), [India : Kulu] & *Milvus migrans govinda* Sykes (Probably stragglers), [Pakistan : Lyallpur] Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 292.
3. *insolitus* (Clay), 1938, (*Gallipeurus*). *Proc. Zool. Soc. Lond.*, 108 : 155, fig. 25c, pl. 7 fig. 6.
Host : *Arborophila rufogularis tickelli* (Hume), [Lower Burma].
 4. *nigromarginatus* (Piaget), 1880, (*Nirmus*). *Pediculines* : 166, pl. 14, fig. 1.
Host : *Gallus sonneratii* Temminck, [India : no history], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 : 218 as *Nirmus nigromarginatus* Piaget.
 5. *spinicaudatus* (Clay), 1938, (*Gallipeurus*). *Proc. Zool. Soc. Lond.* 108 : 151, figs. 23e, pl. 7, fig. 4.
Host : *Perdicula a. asiatica* (Latham), [India : (Rajputana) Rajasthan].
 6. *tetraogallus* (Clay), 1938, (*Gallipeurus*). *Proc. Zool. Soc. Lond.*, 108 : 154, figs. 24c, 25a, pl. 8 fig. 2.
Host : *Tetraogallus h. himalayensis* G. R. Gray, [India : Ladakh] & *T. tibetanus tibetanus* Gould, [India : Sikkim].
 7. *theresae* Tendeiro, 1958. *Estud. Ens. Docum. Jta. Invest. Ultramar, Lisboa*, 44 : 70.
Host : *Francolinus francolinus henrici* (Bonaparte), [India : Pakistan].

32. *Cuculicola* Clay & Meinertzhagen, 1939

Cuculicola Clay & Meinertzhagen, 1939, *Entomologist*, 72 : 165. Type species : *Degeeriella latirostris* (Burmeister).

1. *concolor* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 44.
Host : *Clamator j. jacobinus* (Boddaert), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 89, figs. 161-168.
2. *jamilae* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 44.
Host : *Eudynamus s. scolopace[us]a* (Linne), [Pakistan];

also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 90, figs. 169-177.

3. **latirostris** (Burmeister), 1838, (*Nirmus*). *Handb. Ent.*, 2 : 429.

Host : (*Hierococcus varius*) = **Cuculus varius** Vahl, & **Clamator j. jacobinus** (Boddaert), [Pakistan: Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 281.

33. **Cuculiphilus** Uchida, 1926

Cuculiphilus Uchida, 1926, *J. Coll. Agric. Tokyo*, 9 (1) : 47. Type species : *Pediculus fasciatus* Scopoli.

Aegyphilus Eichler, 1944, *Dtsch. Ent. Ztg.*, 1943 : 56. Type species : *A. gypsis* Eichler.

- (1). **breviceps** (Giebel), 1874, (*Menopon*). *Insecta epizoa* : 279. = no. 2.

2. **cathartaepapae** (Nitzsch), 1861, (*Menopon*). *Z. ges. Nat. Wiss.*, 17 : 518.

Host : (Domestic duck Error). [India : (Berhampur, nec. Berhampur (Ganjam) Orissa) Berhampore (Murshidabad Dist. : West Bengal)], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 242, as *Menopon breviceps* (Obviously this is a case of misidentification).

- (3). **centropi** Qadri, 1935. *Z. Parasitenk.*, 8 : 231, fig. 4. = no. 8.

- (4). **contrastus** Eichler & Zlotorzycza, 1963, *Acta Parasitol. Polonica* 11 : 216. = no. 6.

5. **fasciiventris** Carriker, 1955. *Bol. Entomol. Venezol.*, 11 : 44.

Host : **Eudynamys scolopacea** (Linne), [Nepal], Scharf & Price, 1965, *Ann. Ent. Soc. Amer.*, 58 (4) : 551, figs. 19, & 36, as *C. (Cuculiphilus) fasciiventris* Carriker.

6. **gypsis** (Eichler), 1944, (*Aegyphilus*). *Dtsch. ent. Ztg.* 1943 : 57, fig. 1.

Host :: (*Pseudogyps bengalensis*) = **Gyps bengalensis** (Gmelin), [India], Scharf & Price, 1965. *Ann. Ent. Soc. Amer.*, 58 (4) : 553, figs. 3, 9, 21, 25, 29 & 35, as *C. (Aegyphilus) contrastus* Eichler & Zlotorzycza; also see Price & Emerson, 1967. *Proc. Ent. Soc. Wash.*, 69 : 248-251.

marzai Qadri, 1935. See *Ardeiphilus*.

punjabensis Ansari, 1951. See *Kurodaia*.

(7). *pupiya* Ansari, 1951. *Proc. natn. Inst. Sci. India*, 17 (2) : 158, fig. 13. = no. 8.

8. *snodgrassi* (Kellogg & Kuwana), 1902, (*Menopon*). *Proc. nat. Acad. Sci. Wash.*, 4 : 486, pl. 31 fig. 3.

Hosts : *Centropus* [s.] *sinensis* (Stephens), [India], Qadri, 1935. *Z. Parasitenk.*, 8 : 231, fig. 4, as *Cuculiphilus coromandus* var. *centropi* Qadri; *Clamator j. jacobinus* (Boddaert), [Pakistan : Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 158, fig. 13, as *C. pupiya* Ansari ; *Centropus sinensis* (Stephens), [India : (Rajputana) Rajasthan], *Clamator jacobinus* (Boddaert), [India : Punjab], *Rhopodytes diardi* (Lesson) & *Surniculus lugubris* (Horsfield), [Sri Lanka (Ceylon)], Scharf & Price, 1965. *Ann. ent. Soc. Amer.*, 58 (4) : 549, figs, 15, 17, & 34, as *C. (Cuculiphilus) snodgrassi* (Kellogg & Kuwana); *Cacomantis merulinus* (Scopoli), *C. sonneratii* (Latham), *Clamator jacobinus* (Boddaert), *Surniculus lugubris* (Horsfield), [India], Emerson 1973. In : *Some ectoparasites of the birds of Asia* : 110.

tirkhan Ansari, 1951. See *Colpocephalum*.

9. *upak* Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 156, fig. 2.

Host : (*Hierococcyx varius*) = *Cuculus varius* Vahl., [Pakistan Lyallpur]; also on the same host, [India : Punjab; Nepal]. Scharf & Price, 1965. *Ann. Ent. Soc. Amer.*, 58 (4) : 551, fig. 18.

34. *Cuculoecus* Ewing, 1926

Cuculoecus Ewing, 1926, *Proc. ent. Soc. Wash.*, 28 : 148. Type species : *Phlopterus coccygii* (Osborn).

1. *distinctus* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 45.

Host : *Clamator j. jacobinus* (Boddaert),; [Pakistan] also Ansari, 1955. *Indian J. Ent.*, 17 (3) : 397 and Ansari, 1959. *Indian J. Ent.*, (1958), 22 (2) : 91, figs. 178-181.

35. *Damalinia* Mjöberg, 1910

Damalinia Mjöberg, 1910, *Ark. Zool.*, 6 (13) : 69. Type species : *Trichodectes crenelatus* Piaget.

Bovicola Ewing, June, 1929. *Man. ext. Paras.*, : 121, 123, 193. Type species : *Trichodectes caprae* Gurlt.

Tricholipeurus Bedford, 1929. *Rep. vet. Res. S. Afr.*, 15 : 514. Type species : *T. aepycerus* Bedford.

1. **bovis** (Linne), 1758, (*Pediculus*). *Syst. Nat. ed.*, 10 : 611.
Host : **Bos taurus** Linne & **Bos indicus** Linne, [India : Punjab], Ansari, 1951. *Indian J. Ent.*, 13 (2) : 131, fig. 35; (cow), [Nepal : Zeit, Mustang] & (Zhumo)=cow & yak [Nepal : Thodung, Ramechap] Emerson, 1971. *J. med. Ent.*, 8 (6) : 622.
2. **caprae** (Gurlt), 1843, (*Trichodectes*). *Mag. ges. Thierheilk.*, 9 : 3, pl. 1 fig. 2.
Host : **Capra hircus** Linne, [India : Amritsar, Bijnor, Delhi, Dhariwal, Jullundar & Pathankot; Pakistan : Lahore & Lyallpur], Ansari, 1951. *Indian J. Ent.*, 13 (2) : 131.
3. **dimorpha** Bedford, 1939, (*Bovicola*). *Onderstepoort. J. vet. Sci.*, 12 : 114, figs. 11-13.
Host : **Nemorhaedus goral** (Hardwicke), [Nepal : Namsangsang and Melumche, Sindu], Emerson, 1971. *J. Med. Ent.*, 8 (6) : 622.
4. **equi** (Denny), 1842, (*Trichodectes*). *Mon. Anopl. Brit.*, 61, 191, pl. 17 fig. 7.
Host : **Equus caballus** Linne, **E. asinus** Linne, & **E. caballus** **E. asinus** (mule), [Pakistan : Lahore & Lyallpur], Ansari, 1951. *Indian J. Ent.*, 13 (2) : 131, fig.
5. **forficula** (Piaget), 1880 (*Trichodectes*). *Pediculines* : 400, pl. 32 fig. 7.
Host : (Wild dog), (*Cyon dukhunensis?* = *Cyon dukhunensis*) **Cuon javanicus** (Desmarest), [India : Garhwal], Paine, 1912. *Ent.*, 28 : 438; also Sen & Fletcher, 1962. *Vet. Ent. & Acarology*, India, I.C.A.R. Publ., New Delhi : 409; **Axis axis** Erxleben [Nepal : Johama, Khatmandu]. Emerson, 1971, *J. med. ent.*, 8 (1) : 622.
6. **hemitragi** (Cummings), 1916, (*Trichodectes*). *Proc. zool. Soc. Lond.*, 273, figs. 11-12.
Host : **Hemitragus jemla [h] icus** (Hamilton & Smith), [Nepal : Gosainkund, Nuwakot; Namsangsang and Melumche, Sindu], Emerson, 1971. *J. med. ent.* 8 (6) : 622.

7. **indica** (Werneck), 1950, (*Tricholipeurus*). *Malafagos de Mamiferos*, pt. 2 : 177, figs. 267-272.
Host : **Muntiacus muntzak** (Zimmermann), [India : Imphal, Manipur].
8. **limbata** (Gervais), 1844, (*Trichodectes*). *Hist. Ins. Apteres*, 3 : 313, pl. 48, fig. 4.
Host : (Goat), [Nepal : Rana, Mugu; Mahendranagar, Kanchanpur; Balaju, Katmandu; Bhadgaon and Katunje, Bhaktapur; Thodung, Ramechap], Emerson, 1971, *J. med. ent.* 8 (6) : 622.
9. **muntiacus** (Séguy), 1948, (*Trichodectes*). *Notes Ent. Chin.*, 18 : 149.
Host : **Muntiacus muntzak curvostylis** (Gray), [Burma], Werneck, 1950. *Malafagos de Mamiferos*, pt. 2 : 133, figs. 177, 178, as *D. forficula siamensis* Werneck.
10. **ovis** (Linne), 1758, (*Pediculus*). *Syst. Nat.* ed. 10 : 611.
Host : 4-horned sheep, [Nepal], (Sheep) **Capra hircus** (Linne), [India : Pusa], Sen & Fletcher, 1962. *Vet. Ent. & Acarology for India*, I.C.A.R. Publ., New Delhi : 407, pl. 39; Sheep, [Langtang Valley, Rasuwa; Katunje, Bhaktapur], Emerson, 1971. *J. med. ent.*, 8 (6) : 322.
- (11). **siamensis** Werneck, 1950. *Malafagos de Mamiferos*, pt. 2 : 133, figs. 177 & 178.=no. 9.

36. **Degeeriella** Neumann, 1906

Nirmus Nitzsch, 1818, *Germar's Mag. Ent.*, 3 : 291 (*nec.* Hermann 1804) (Rejected name: *vide Bull. Zool. Nomencl.* 1962, 19 (2) : 91-96).

Degeeriella Neumann. 1906, *Bull. Soc. Zool. Fr.*, 20 : 60. *Nomen novum* for *Nirmus* Nitzsch *nec.* Hermann. Type species (by subsequent designation), Johnston & Harrison. 1911. *Proc. Linn. Soc. N.S.W.*, 36 : 326 "*D. discocephalus* N."

Kelerinirmus Eichler, 1940. *Zool. Ang.*, 130 : 101. Type species : "*Nirmus fuscus* Nitzsch in Denny".

1. **beaufacies** Ansari, 1955. *Proc. 7th Pak. Sci. Conf., Sec. Biol.* : 42.
Host : **Butastur teesa** (Franklin), [Pakistan]; **B. teesa** (Franklin), [India], & **B. liventer** (Temminck), [Burma], Clay, 1958. *Bull. Br. Mus. nat. Hist. (Ent.)*, : 7 (4) : 162, pl. 8, fig. 4, figs. 2, 23, 43, 77; also on **B. teesa**

(Franklin), [Pakistan], Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397 & Ansari, 1959. *Indian J. Ent.*, 20 (2) : 87, figs. 152-158; **B. teesa** (Franklin), [Nepal], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 89.

conformis Blagoverhschensky, 1948. See *Quadriceps*.

daumae Clay, 1936. See *Brueelia*.

2. **discocephalus**, [aquilarum], Eichler, 1943. *Zool. Anz.*, 142 : 93, fig. 1.

Host : **Aquila pomarina hastata** (Lesson), [India : Manipur, (Rajputana) Rajasthan], **A. h. heliaca** Savigny, [India : (Rajputana) Rajasthan], Clay, 1958. *Bull. Br. Mus. nat. Hist., Ent.*, 7 (4) : 170, pl. 9, fig. 2.

3. **elani** Tendeiro, 1955. *Bol. cult. da Guine Port.*, 9 (35) : 598, figs. 36-37, pl. 17-18.

Host : **Elanus caeruleus vociferus** (Latham), [India : Deccan], Clay, 1958. *Bull. Br. Mus. nat. Hist. (Ent.)*, 7 (4) : 174, pl. 6, fig. 1, figs. 4, 36, 54, 91.

episcopi Qadri, 1936. See *Ardeicola*.

4. **fulva** (Giebel), 1874, (*Nirmus*). *Insecta epizoa* : 124.

Hosts : **Aquila rapax** (Temminck), [India : (Rajputana) Rajasthan], **Ichthyophaga ichhyaetus** (Horsfield), [India : Deccan], (*spilornis cheela albidus*) **Spilornis cheela melanotis** (Jerdon), [India : (Rajputana) Rajasthan], & **S. c. cheela** (Latham) [Nepal], Clay, 1958, *Bull. Br. Mus. nat. Hist. (Ent.)*, 7 (4) : 144, figs. 1, 9, 11-17, 26, 42, 70, 84, 102, 105, 109, 112-118, pl. 1, figs. 1-7 & pl. 8, fig. 3.

5. (**fusca** Denny), 1842, (*Nirmus*). *Mon. Anopl. Brit.* : 49, 118, pl. 9, fig. 8.

Hosts : **Falco c. chicquera** Daudin, **Butastur teesa** (Franklin) and **Milvus migrans govinda** Sykes, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 284, as *Kelerinirmus fusca* (Nitzsch); **Circus aeruginosus** (Linne), [India : Sri Lanka (Ceylon)] & **C. melanoleucos** (Pennant), [India : Assam], Clay, 1958. *Bull. Br. Mus. nat. Hist. (Ent.)*, 7 (4) : 162, figs. 3, 30, 48, pl. 4, fig. 3 & pl. 8, fig. 6.

grandalae Clay, 1936, See *Brueelia*.

- (6). *masumae* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 72.
= no. 13.
7. *mookerjeei* Clay, 1957. *Proc. zool. Soc. Calcutta, Mookerjee Memor.* vol : 342, figs. 1b, c, 2d, 3d, f & 4b.
Hosts **Pernis ptilorhynchus** (Temminck), [Burma : Myitkyina] & **P. ptilorhynchus ruficollis** Lesson, [Nepal].
multipunctata Clay, 1936. See *Brueelia*.
myiophoneae Clay, 1936. See *Brueelia*.
8. *nisus* [*frater*], (Piaget), 1880, (*Nirmus*). *Pediculines* : 145, pl. 12, fig. 2.
Hosts : **Accipiter badius** (Gmelin), [Burma; Nepal], Clay, 1958. *Bull. Br. Mus. nat. Hist. (Ent.)*, 7 (4) : 158, figs. 25, 31-32, 47, pl. 3, fig. 3.
9. *nisus* [*nisus*] (Giebel), 1866, (*Nirmus*). *Z. ges. NatWiss*, 2 : 364.
Host : **Accipiter nisus** (Linne), [Afghanistan; Pakistan].
Clay, 1958. *Bull. Br. Mus. nat. Hist. (Ent.)*, 7 (4) : 155, figs. 24, 29, 46, 88, & 110, pl. 3. fig. 1. & pl. 8, fig. 5.
10. *punctifer* (Gervais), 1844, (*Philopterus*). In *Walckenaer's Hist. nat. Ins.*, 3 : 353, pl. 49, fig. 1.
Host : **Gypaetus barbatus aureus** (Hablizl), [India : Sikkim], Clay, 1958. *Bull. Br. Mus. nat. Hist. (Ent.)*, 7 (4) : 196, figs. 8, 41, 57, 83, 103, 108, 122, pl. 9, fig. 3.
11. *regalis* [*deignani*] Clay, 1958. *Bull. Br. Mus. nat. Hist. (Ent.)*, 7, (4) : 190, fig. 40, pl. 5, fig. 2.
Host : **Haliastur i. indus** (Boddaert), [Burma; Sri Lanka (Ceylon)].
12. *regalis* [*regalis*] (Giebel), 1886, (*Nirmus*). *Z. ges. NatWiss.*, 28 : 364.
Hosts **Milvus migrans govinda** Sykes, [India : Deccan; & Nepal], **Haliastur i. indus** (Boddaert), [India; Deccan, (Rajputana) Rajasthan & Lucknow] & **Haliaeetus leucoryphus** (Pallas), [India : several localities], Clay, 1958. *Bull. Br. Mus. nat. Hist. (Ent.)*, 7 (4) : 186, figs. 6, 39, 56, 80, 81, 121, 130-137, pl. 5, fig. 1.
13. *rufa* (Burmeister), 1838, (*Nirmus*). *Handb. Ent.*, 2 : 43.

Hosts : (*Falco jugger*) = **Falco biarmicus jugger** J. E. Gray & (*Cerchneis tinnunculus interstinctus*) = **Falco tinnunculus interstinctus** McClelland, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 285; (*Falco jugger*) = **Falco biarmicus jugger** J. E. Gray, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 72; Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397 & Ansari, 1959. *Indian J. Ent.*, 20 (2) : 85 figs. 137-143, [as *Deg. masumae* Ansari, 1955; (*Cerchneis tinnunculus interstinctus*) = **Falco tinnunculus interstinctus** McClelland, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*, 72, Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397 and Ansari, 1959, *Indian J. Ent.*, (1958), 20 (2) : 86, figs. 144-151, as *Deg. splendidus* Ansari, 1955. (also spelled as *D. splendens* in 1956); (*Falco cherrug*) = **Falco biarmicus cherrug** J. E. Gray, [India], (*F. jugger*) = **F. biarmicus jugger** J. E. Gray, [Afghanistan; India], **F. peregrinus** Tunstall, [Burma : Mandalay; Sri Lanka (Ceylon)], **F. subbuteo** Linne & **F. naumanni** Fleischer, [Afghanistan] & **F. tinnunculus** Linne, [Burma; India : Ladakh, Manipur, Northern India, Sikkim], Clay, 1958. *Bull. Br. Mus. nat. Hist. (Ent.)*, 7 (4) : 180, figs. 5, 10, 18-22, 38, 55, 75, 95, 104, 107, 111, 120, 129, 139-164, pl. 6, fig. 3 & pl. 8, fig. 7; **Falco tinnunculus** Linne, [Nepal], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 90.

(14). *splendidus* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 72 = no. 13.

stresemanni Clay, 1936. See *Brueelia*.

subsellata Harrison, 1916. See *Lipeurus*.

15. *storeri* Elbel & Price, 1973. *Pacific. Ins.*, 15 (1) : 97, figs. 3, 5, 8, 9.

Host : **Accipiter trivirgatus indicus** (Hodgson), [India : Assam, Khasia Hills & Garo Hills], **A. t. peninsulæ** Koelz. [India Castle rock, Kanara, Maharashtra.]

16. *vittata* (Giebel), 1874, (*Nirmus*). *Insecta epizoa* : 127.

Host : **Milvus migrans govinda** Sykes [India : Punjab], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 43, Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 87.

zootherae Clay, 1936. See *Brueelia*.

zootherae stresemanni Clay, 1936. See *Brueelia*.

37. *Dennyus* Neumann, 1906

Nitzschia Denny, 1842, (*nec* Baer, 1827). *Mon. Anopl. Brit.* : 230.

Type species (by monotypy) : *N. burmeisteri* Denny.

Dennyus Neumann, 1906, *Bull. Soc. Zool. Fr.*, 20 : 60. *Nomen novum* for *Nitzschia* Denny.

1. **cypsiurus** Thompson, 1948. *Bol.-Ent. Venezuel.*, 7 : 4, fig. 9.
Host : **Cypsiurus parvus batasiensis** (J. E. Gray), [Sri Lanka (Ceylon)]; also [India; Hyderabad, (A. P.) Bombay; Sri Lanka (Ceylon) : Gammaduwa Mousakande], Ledger, 1971. *J. ent. Soc. sth. Afr.*; 34 (1) : 48, figs. 10-13.
2. **giganteus** Emerson & Price, 1968. *Proc. Biol. Soc. Wash.*, 81 : 87 figs. 1-4.
Host : **Chaetura gigantea indica** (Hume), [India : Punjab].
3. **hirundinis** (Linne), 1761, (*Pediculus*). *Fauna Suecica*. 2 : 479.
Host : (*Cypselus affinis*) **Apus affinis affinis** (J. E. Gray) [India : Calcutta]; also Kellogg & Nakayama, 1915. *Rec. Indian Mus.*, 11 (1) : 140; also on the same host (and also as on *Micropus affinis*) [India : Indore, (M. P.) Lucknow, (U. P.)] and **A. affinis nipalensis** (Hodgson) [Nepal], **A. affinis singalensis** Madarász, [Sri Lanka (Ceylon) : Kathiraveli], Ledger, 1971. *J. ent. Soc. sth. Afr.*, 34 (1) : 39, 43, figs. 1-9.
4. **minor** (Kellogg & Paine), 1914, (*Nitzschia*). *Rec. Indian Mus.*, 10 (4) : 242, pl. 15, fig. 10. = no. 3.
5. **von arxi** Buttiker, 1954, *Acta trop.*, 11 (2) : 161.
Hosts : (*Micropus melba tuneti*)=**Apus melba tuneti** [Afghanistan : Kabul], (*Micropus melba bakeri*)=**Apus melba bakeri** Hartert [India : Indore; Sri Lanka (Ceylon) : Gammaduwa, Mousakande], Ledger, 1971. *J. Ent. Soc. sth. Afr.*, 34 (1) : 50, figs. 14, 15, 17, 19, 20.

Docophorus Eichler, 1944

Docophorus Eichler, 1944. *Stettin. ent. Ztg.*, 105 : 80. Type species: *Docophorus communis* Nitzsch var. *passeris* Piaget.

Inseparable from *Philopterus*.

***Docophorus* Nitzsch, 1818**

Docophorus Nitzsch, 1818. *Germar's Mag. Ent.*, 3 : 289. Type species: (by subsequent designation, Clay, 1938. *Entomologist*, 71 : 207) : *Philopterus (Docophorus) ocellatus* (Scopoli).

An absolute synonym of *Philopterus*.

affinis Piaget, 1880. See *Sturnidoecus*.

alcedinus Denny, 1842. See *Alcedoffula*.

atratus (Nitzsch), 1818. See *Philopterus*.

bituberculatus Giebel, 1874. See *Sturnidoecus*.

brevicollis Burmeister, 1838. See *Aegypocetus*.

clausus Giebel, 1874. See *Ibidoecus*.

crassipes Burmeister, 1838. See *Philopterus*.

cursor Burmeister, 1838. See *Strigiphilus*.

excisus (Nitzsch), 1818. (*Philopterus* s.g. *Docophorus*). See *Philopterus*.

extraneus Piaget, 1885. See *Philopterus*.

fulvus Burmeister, 1838. See *Philopterus*.

fuscicollis Burmeister, 1838. See *Philopterus*.

gonorhynchus Nitzsch, 1861. See *Craspedorrhynchus*.

graculae Piaget, 1880. See *Sturnidoecus*.

guttatus [Nitzsch] See. *Philopterus guttatus* Denny, 1842.

heteroceros Nitzsch, 1861 (*nec.* Grube, 1851). See *Strigiphilus*.

leontodon (Nitzsch), 1880. See *Sturnidoecus*.

meropis Denny, 1842. See *Meropoecus*.

nisi Denny, 1842. See. *Craspedorrhynchus*.

nudipes Piaget, 1880. See *Strigiphilus*.

ornatus Nitzsch, 1866. See *Philopterus*.

passerinus Denny, 1842. See *Philopterus*.

pastoris Denny, 1842. See *Sturnidoecus*.

perspicuus Kellogg, 1914. See *Aegypocetus*.

pertusus Burmeister, 1838. See *Incidifrons*.

plataleæ Denny, 1842. See *Ibidoecus*.

platystomus Burmeister, 1838. See *Craspedorrhynchus*.

pygaspis Nitzsch, 1866. See *Anatoecus*.

rostratus Burmeister, 1838. See *Strigiphilus*.

rotundatus Piaget, 1880, p. 47 (*nec.* pp. 21. 60), See *Philopterus*.

spathulatus Giebel, 1874. See *Craspedorrhynchus*.

superciliosus Burmeister, 1838. See *Penenirmus*.

thryptocephalus Kellogg & Paine, 1914. See *Philopterus*.

triangularis Rudow, 1869. See *Craspedorrhynchus*.

38. *Echinophlopterus* Ewing, 1927

Echinophlopterus Ewing, 1927, *J. Wash. Acad. Sci.*, 17 : 92.

Type species : *E. chapini* Ewing.

1. **tota** Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 263.
Host : (*Psittacula krameri manillensis*?)=**Psittacula krameri borealis** (Neumann), [Pakistan : Lyallpur].

39. *Eidmanniella* Kéler, 1938

Eidmanniella Kéler, 1938, *Ann. Mus. Zool. Polon.*, 13 : 81

Type species : *Menopon brevipalpe* Piaget.

1. **albescens** (Piaget), 1880, (*Menopon*), *Pediculines* : 491, pl. 41, fig. 4.
Host : **Sula sula** (Linne), [Indian Ocean], Ryan & Price, 1969. *Ann. Ent. Soc. Amer.*, 62 (4) : 822, figs. 5, 13, 26, 29.
2. **subrotundata** (Piaget), 1880, (*Menopon*), *Pediculines.*, : 453, pl. 35, fig. 2.
Host : **Phalacrocorax sulcirostris** (Brandt), [Sri Lanka (Ceylon)] **Haliaeator niger** (*Phalacrocorax niger* (vieillot), [India], Ryan & Price, 1969. *Ann. Ent. Soc. Amer.*, 62 (4) : 820, figs. 18, 19, 22, 27, 28.

Eomenacanthus Uchida, 1926

Eomenacanthus Uchida, 1926. *J. Coll. Agric. Tokyo*, 9 : 30. Type species : *Eomenacanthus biseriatum* (Piaget).

Inseparable from *Menacanthus*.

40. *Esthiopterum* Harrison, 1916

Esthiopterum Harrison, 1916. *Parasitology*, 9 : 26. Type species : "*E (Lipeurus) ebraeum* Burmeister"

1. **elbeli** Tandan, 1973. *J. Ent. (B)* 42 (1) : 91, figs. 10, 22, & 35.
Host : **Anthropoides virgo** (Linne), [India : Hyderabad, (A. P.); Nepal].
2. **indicum** Tandan, 1973. *J. Ent. (B)* 42 (1) : 98. figs. 2, 7, 11, & 15.
Host : **Grus antigone antigone** (Linne), [India : (Rajputana) Rajasthan].
'secretarium' (Giebel), 1874, (*Lipeurus*). *Insecta epizoa* : 213.
Sensu Quadri, 1936. *Proc. Indian Acad. Sci.*, 6 : 464, fig. 9A.
See *Falcolipeurus longiphallus* Zlotorzycska.

41. *Eucolpocephalum* Bedford, 1930

Eucolpocephalum Bedford, 1930, *Rep. vet. Res. S. Afr.*, 16 : 161. Type species : *E. robustum* Bedford.

1. **femorale** (Piaget), 1880, (*Menopon*), *Pediculines* : 484, pl. 39, fig. 8.
Host : *Platalea leucordia* Linne, [India], (Slide in B. M. Nat. Hist.).

42. Eulaemobothrion Ewing, 1929

Eulaemobothrion Ewing, 1929, *Man. ext. Parasit.*, : 105, 189. Type species : *Laemobothrion nigrum* Burmeister.

'*Eulaemobothrion* Ewing, Sensus Lakshminarayana, 1968. *Orient Ins.*, (1967), 1 (3 & 4) : 259. (Genus redéf.)

1. **atrum** (Nitzsch), 1818, (*Liotheum*). *Germar's Mag. Ent.*, 3 : 302.
Nomen novum for Redi's p. 4 fig. 7.
Host : *Fulica a. atra* Linne, [India : (Rajpurana) Rajasthan] Clay & Hopkins, 1960. *Bull. Br. Mus. nat. Hist. (Ent.)*, 9 (1) : 53, figs. 78, 83, 84-94; [India : Manipur]. Slide in B. M. Nat. Hist.

2. **biwasi** Lakshminarayana, 1968. *Oriental Ins.*, (1967), 1 (3 & 4) : 259, figs. 1, 4, 7, 8, 11 & 15.

Host : (*Porphyrio poliocephalus poliocephalus*) *Porphyrio porphyrio poliocephalus* (Latham), [India : Nalbani, West Bengal]; [India : (Deccan) Andhra Pradesh, (Rajputana) Rajasthan; Sri Lanka]. Slides in B. M. (nat. Hist.)

***Eustrigiphilus* Ewing, 1926**

Eustrigiphilus Ewing, 1926, *Proc. ent. Soc. Wash.*, 28 : 148. Type species : *Phalopterus ceblebrachys* "Nitzsch".

Inseparable from *Strigiphilus*.

***Falcoecus* Clay & Meinertzhagen, 1938**

Falcoecus Clay & Meinertzhagen, Dec. 1938., *Entomologist*. 71 : 275.

Type species : *Phalopterus aquilinus* (Denny).

A synonym of *Craspedorrhynchus* Kéler Aug. 1938.

43. Falcolipeurus Bedford, 1931.

Falcolipeurus Bedford, 1931, *Rep. vet. Res. S. Afr.*, 17 : 290. Type Species : *Esthiopterum secretarium* (Giebel).

1. **frater** (Giebel), 1874, (*Lipeurus*). *Insecta epizoa* : 210.

Host : *Neophron percnopterus* (Linne), [India : Lucknow],

- Tandan, 1964. *Proc. R. ent. Soc. Lond.* (B) 33 (11-12) : 177, 178, 179, pl. 1, fig. 1, & pl. 2. fig. 2.
2. **gallivalerioi** Eichler, 1941. *Schweiz. Arch. Tierheilk.*, 83 : 180, fig. 1.
 Host : **Gyps himalayensis** Hume [India : Himalaya]; also on the same host, [India : Punjab], Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 398 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 96.
3. **hopkinsi** Tandan, 1952. *Ann. Mag. nat. Hist.*, (12) 5 : 461, figs. 1-5.
 Host : (*Sarcogyps calvus*) **Torgos calvus** (Scopoli), [India : Lucknow]; also in Tandan, 1964. *Proc. R. ent. Soc. Lond.* (B) 33 (11-12) : 177-179, pl. 1, fig. 3 & pl. 2, fig. 4.
4. **longiphallus** Zlotorzyczka, 1963. *Angew. Parasitol.*, 4 : 159, figs. 18-21.
 Host : (*Pseudogyps bengalensis*) : **Gyps bengalensis** (Gmelin), [India : Several localities including Lucknow, Bharatpur (Rajasthan)], Tandan, 1964. *Proc. R. ent. Soc. Lond.*, (B) 33 (11-12) : 174, pl. 1, fig. 7, pl. 2. figs., 5, 6, and text figs. 1-4. (According to Tandan *Esthiopterum secretarium* (Giebel) sensu Qadri, 1936, *Proc. Indian Acad. Sci.*, 6 : 464, fig. 9A, from Northern India is an error and it belongs to *F. longiphallus*.)
5. **quadripustulatus** (Burmeister), 1938 (*nec.* Denny, 1842), (*Lipeurus*). *Handb. Ent.*, 2 : 434.
 Host : **Gyps himalayensis** Hume, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 258, **G. fulvus** (Hablizl), **Aegyptius monachus** (Linne), [India : Locality not cited], **Gyps i. indicus** (Scopoli), [India : (Rajputana) Rajasthan] & **G. himalayensis** Hume [India : Simla], Tandan, 1964. *Proc. R. ent. Soc. Lond.* (B) 33 (11-12) : 178-179, pl. 1, fig. 2 & pl. 2 fig. 3.
6. **secretarius** (Giebel), 1874, (*Lipeurus*). *Insecta epizoa* : 213.
 Host : (*Vultur monachus*) = **Aegyptius monachus** (Linne), [India : Calcutta (Dhappa)], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 : 292 as *L. secretarius* (Esthio-

pterus secretarium (Giebel) *sensu* Qadri, 1936. *Proc. Indian Acad. Sci.*, 6 : 464, fig. 9a is an error. Probably refers to no. 4).

7. **suturalis** (Rudow), 1869, (*Lipeurus*). *Beitr. Kenntn. Malloph.* : 44.
 Hosts : *Aquila chrysaetos* (Linne); *A. h. heliaca* Savigny; *A. clanga* Pallas, *A. pomarina hastata* (Lesson), [Loc, not cited], *A. rapax vindhiana* Franklin, [India : U. P.], *A. n. nipalensis* Hodgson, [India : Lucknow], Tandan, 1964. *Proc. R. ent. Soc. Lond.* (B) 33 (11-12) : 177, 178, pl. 1, fig. 5, 6, & pl. 2, fig. 2.
8. **yasminae** Ansari, 1956. *Pak. J. Sci. Res.*, 8 (1) : 15, figs. 23-24.
 Host : *Hieraaetus pennatus* (Gmelin), [Pakistan : Shujawal (Tatta Dt.)]; also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 398.

44. **Falcolius** Clay, 1955

Falcolius Clay, 1955, *Trans. R. ent. Soc. Lond.*, 107 : 180. Type species : *Falcolius jordani* Clay.

1. **jordani** Clay, 1955. *Trans. R. ent. Soc. Lond.*, 107 : 181, figs. 21, 31-34, 36-38, 41-42, 47-49, pl. 1, figs. 3 & 4.
 Host : *Microhierax caerulescens burmanicus* Swann [Burma : Myitkyina].

45. **Felicola** Ewing, 1929

Felicola Ewing, l. vi. 1929, *Man. ext. parasites* : 121, 122, 192. Type species : *Trichodectes subrostratus* "Nitzsch"

Paradoxuroecus Conci, 1942, *Boll. Soc. ent. Ital.*, 74 : 141. Type species : *P. jucci* Conci.

1. **jucci** (Conci), 1942, (*Paradoxuroecus*). *Boll. Soc. ent. Ital.*, 74 : 141.
 Host : (*Paradoxurus grayi*) = *Paguma larvata grayi* (Bennett), [Burma]; also in Emerson, 1964. *Proc. Biol. Soc. Wash.*, 77 : 195.
2. **rohani** Werneck, 1956. *Rev. Brasil. biol.*, 16 (1) : 25, figs. 1-5.
 Host : *Herpestes edwardsi* (Geoffroy), [Nepal : Madhuban, Bara; Hitaare, Makwanpur], *H. auropunctatus*, Hodgson [Nepal : Swiyamba Temple, Khatmandu; Trisuli, Nuwakot] Emerson, 1971. *J. Med. Ent.*, 8 (6) : 622.

3. **subrostratus** (Burmeister), 1838, (*Trichodectes*). *Handb. Ent.*, 2 : 438.

Host : (Semimongrel cat) *Felis catus* Linne, [Pakistan : Lahore], Ansari, 1951. *Indian J. Ent.*, 13 (2) : 133, fig. 4.

Ferrisia Uchida, 1926 (*nec* Fullaway, 1923), *J. Coll. Agric. Tokyo*, 9(1) : 43. Type species: *Colpocephalum Turbinatum*. Denny. A synonym of *Neocolpocephalum* Ewing, which is inseparable from *Colpocephalum*.

46. **Fulicoffula** Clay & Meinertzhagen, 1938

Fulicoffula Clay & Meinertzhagen, 1938, *Entomologist*, 71 : 5. Type species : *Esthiopterum luridum* (Denny).

1. **lurida** (Nitzsch), 1818, (*Philopterus*). *German's Mag. Ent.*, 3 : 292. *Nomen novum* for Redi's plate 4, fig. 11.

Host : *Fulica. a. atra* (Linne), [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 258; on the same host, [India : Manipur], Clay & Hopkins, 1960. *Bull. Br. Mus. nat. Hist. (Ent.)*, 9 (1) : 40, figs. 62-71, pl. 6, figs. 1, & 2.; also [India], Emerson, 1973. In: *Some ectoparasites of the birds of Asia* : 90.

Galliferrisia Ansari, 1951.

Galliferrisia Ansari, 1951, *Proc. nat. Inst. Sci. India*. 17 (2) : 150.

Type species : *Galliferrisia tausi* Ansari.

Inseparable from *Colpocephalum*.

Gallilipeurus Clay, 1938

Gallilipeurus Clay, 1938, *Proc. Zool. Soc. Lond. (B)* 108 : 135.

Type species : *Lipeurus heterographus* "Giebel".

A synonym of *Cuclotogaster*.

Glareolites Eichler, 1944

Glareolites Eichler, 1944, *Stettin. ent. ztg.*, 105 : 80. Type species : *Nirmus ellipticus* Nitzsch.

The genus is provisionally considered inseparable from *Quadriceps*.

47. *Goniocotes* Burmeister, 1838

Goniocotes Burmeister, 1838, *Handb. Ent.*, 2 : 431 Type species : (by subsequent designation, Johnston & Harrison, 1911, *Proc. Linn. Soc. N.S.W.*, 36 : 326) : *G. gallinae* (De Geer) (= *G. hologaster* N.)"

abdominalis Piaget, 1880. See *Goniodes*.

aegypticus Kellogg & Paine, 1911. See *Coloceras*.

1. *alatus* Piaget, 1885. *Pediculines supplement* : 45, pl. 5, fig. 4.

Host : *Alectoris graeca pallescens* (Hume), [India : Hoshiarpur], Ansari, 1947. *Proc. natn. Inst. Sci. India*, 13 (6) : 298.

astrocephalus Burmeister, 1838. See *Goniodes*.

bidentatus (Scopoli), 1763, (*sensu* Ansari, 1947). See *Campanulotes*.

chinensis Kellogg & Chapman, 1902. See *Coloceras*.

2. *chrysocephalus* Giebel, 1874, *Insecta epizoa* : 189.

Hosts : (*Lophura diardi*) = *Diardigallus diardi* Bonaparte (?) [India : No history], (*Gennaeus andersoni*) = *Lophura andersoni* (Elliot), [no history], (*Gennaeus albicristatus*) = *Lophura leucomelana hamiltoni* (J. E. Gray), [India : Mundali (Garhwal Himalaya), & (*Phasianus soemmeringii scintillans*) = *Syrmaticus* (*Graphophasianus*) *soemmeringi scintillans* Gould, [India : no history], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 220.

compar Burmeister, 1838. See *Campanulotes*.

coronatus Giebel, 1874. See *Goniodes*.

3. *gallinae* (De Geer), 1778, (*Ricinus*). *Mem. Hist. Ins.*, 7 : 79, pl. 4, fig. 15.

Hosts : *Gallus gallus* (Linne), [India : (Gaya Dt.) Bihar]. Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 221, as *Goniocotes hologaster* Nitzsch; *Gallus gallus* [domesticus] (Linne), [India : Punjab], Ansari, 1943. *Indian J. Ent.*, 5 (1 & 2) : 135, figs. 7 & 9, as *Goniocotes hologaster* Nitzsch; *G. gallus* [domesticus] (Linne), [India : Punjab], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 297; also [Southeast Asia]. Emerson, 1956. *J. Kansas Ent. Soc.*, 29 (2) : 67, pl. 2, figs. 1-3.

gigas Taschenberg, 1879. See *Goniodes*.

- (4). *hologaster* (Nitzsch), 1818. (nec Denny, 1842), (*Philopterus* s.g. *Goniodes*) *Germer's Mag. Ent.*, 3 : 294. *Nomen novum* for *Ricinus gallinae* De Geer. = no. 3.
indicus Kellogg & Paine, 1914. See *Goniodes*.
5. *jirufti* Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 298, fig. 12.
 Host : *Franocolinus f. asiae* Bonaparte, [Pakistan : Lyallpur].
6. *maculatus* Taschenberg, 1882. *Nova Acta Leop.-Carol.*, 44 : 76, pl. 3, fig. 3.
 Host : *Gallus gallus [domesticus]* (Linne), [India : Punjab].
 Ansari, 1943. *Indian J. Ent.*, 5 (1 & 2) : 135 as *G. hologaster* var. *maculata* Taschenberg.
7. *mayuri* Lakshminarayana and Emerson, 1971. *Oriental Ins.*, 5 (1) : 98, figs. 5-9.
 Host : *Pavo cristatus* Linne, [India : Assam : Jamduar (Goalpara Dist.), Delhi; Nepal : Tamispur, Navalpur, (Parasi Dist.)].
nirmoides Kellogg & Paine, 1914. See *Lagopoecus*.
8. *parviceps* (Piaget), 1880, (*Goniodes*). *Pediculines*: 277, pl. 23, fig. 2.
 Host : *Pavo cristatus* Linne, [India : Delhi; Nepal : Tamispur, Nawalpur (Parasi Dist.)], Lakshminarayana and Emerson, 1971. *Oriental Ins.*, 5 (1) : 95, figs. 1-4, [Burma], Slide in B. M. nat. Hist.
9. *rectangulatus* Nitzsch, 1866. In Giebel's *Z. ges. NatWiss.*, 28 : 389
 Hosts : (*Pavo nigriipennis*) = *Pavo cristatus [nigripennis* Sclater] [India : no history], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 221; *Pavo cristatus* Linne, [India : Hoshiarpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 297. See also Lakshminarayana and Emerson, 1971, *Oriental Ins.*, 5 (1) : 97.
10. *yngarejsuf* Eichler, 1950. *Doriana*, 1 (9) : 4.
 Host : *Pavo cristatus* Linne [India]

48. *Goniodes* Nitzsch, 1818

Goniodes Nitzsch, 1818, *Germer's Mag. Ent.*, 3 : 293. Type species : (by subsequent designation, Johnston & Harrison, 1911. *Proc. Linn. Soc. N.S.W.*, 36 : 326) : '*G. pavonis* Linne, (=syn. *G. falcicornis* N.)'.

Gonocephalus 'Nitzsch'. Kéler, 1937, *Arb. morph. tax. Ent. Berlin-Dahlem*, 4 : 130. Type species : '*chellcornis* Nitz.'

Gonotyles Kéler, 1939, *Nova Acta Leop. Carol.* (n. F.), 8 : 48.

Type species : *Goniodes cervinicornis* 'Nitzsch'.

Oulocrepis Kéler, 1939, *loc. cit.*, : 97. Type species : *Goniodes dissimilis* 'Nitzsch'.

Stenocrotaphus Kéler, 1939, *loc. cit.* : 124. Type species : *Goniocotes gigas* Tasch.

Margaritenes Kéler, 1939, *loc. cit.* : 132. Type species : *Goniodes eurygaster* Piaget.

(1) *abdominalis* (Piaget), 1880, (*Goniocotes*). *Pediculines* : 238, pl. 20, fig. 9=no. 20.

2. *ammoperdix* Clay, 1940. *Proc. Zool. Soc. Lond.* (B), 110 : 93 & 64.

Host : *Ammoperdix griseogularis* (J. F. Brandt), [Afghanistan; India; Pakistan : Peshawar].

3. *astrocephalus* (Burmeister), 1838, (*Goniocotes*). *Handb. Ent.*, 2 : 431.

Hosts : *Coturnix c. coturnix* (Linne), [Afghanistan] & *C. coromandalica* (Gmelin), [India : Deccan], Clay, 1940. *Proc. Zool. Soc. Lond.* (B), 110 : 100, figs. 66b & 68a; *C. c. coturnix* Linne, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 296.

(4) *bicuspidatus* Piaget, 1880. *Pediculines* : 278, pl. 22, fig. 3.=no. 34.

(5) *breviantennatus* Piaget, 1885. *Pediculines supplement* : 50, pl. 5, fig. 8 =no. 34.

6. *cervinicornis* Giebel, 1874, *Insecta epizoa* : 199.

Hosts : (*Lophura diardi*) *Diardigallus diardi* Bonaparte, [India : no history], Kellogg & Paine, 1914. *Rec. Indian mus.*, 10 (4) : 29; also Kéler, 1939. *Nova Acta Leop.-Carol.* (n. F.) 8 : 48, figs. 20-22 as *Gonotyles cervinicornis* Giebel; (*Gennaesus nycthemerus horsfieldi*;) *Lophura nycthemerus horsfieldi* (*Lophura leucomelana lathami* (J. E. Gray), [India : Assam], Clay, 1940. *Proc. Zool. Soc. Lond.* (B), 110 : 71, figs. 26, 47, 48b & 49; on the same host, [India : Himalaya]. Overgaard, 1943. *Ent. Medd.*, 23 : 2 as *Goniotyles cervinicornis* (Giebel).

7. *chrysolophi* Clay, *Proc. Zool. Soc. Lond.* (B), 110 : 51, figs. 33, & 34a.

Host : *Chrysolophus amberstiae* (Leadbeater), [Tibet].

8. **colchici** Denny, 1842 (nec Giebel, 1874). *Mon. Anopl. Brit.*, 56, 158, pl. 12, fig. 4.
 Hosts : (*Gennaeus albicristatus*) **Lophura leucomelanos hamiltoni** (J. E. Gray), [India : Simla, Mundali (Garhwal : Western Himalaya)], (*G. leucomelanus*)=**Lophura leucomelana** (Latham), [Nepal], (*G. melanotus*) **Lophura leucomelana melanota** (Hutton), [Bhutan] **Chrysolophus pictus** (Shaw), [Burma], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 229; **Phasianus colchicus bianchii** Buturlin, [Afghanistan]. Clay, 1940. *Proc. Zool. Soc. Lond. (B)*, 110 : 50, figs. 32 & 34b.
9. **confusio** Clay, 1940. *Proc. Zool. Soc. Lond. (B)*, 110 : 105.
 Host : (*Megapodius n. nicobariensis*) **Megapodius freycinet nicobariensis** Blyth, [India : Nicobar], as *G. minor confusio*.
10. **coronatus** (Giebel), 1874, (*Goniocotes*). *Insecta Epizoa* : 302. *Nomen novum* for *Goniocotes obscurus* Giebel, 1874, p. 191 nec p. 188.
 Host : **Rollulus roulroul** (Scopoli), [Burma], Clay, 1940. *Proc. Zool. Soc. Lond. (B)*, 110 : 19 fig. 13.
11. **costatus** (Kéler), 1939, (*Gonocephalus*). *Nova Acta Leop.-Carol.* (n.f.) 8 : 83, fig. 42.
 Host : **Tetraogallus h. himalayensis** G. R. Gray, [Afghanistan; India : (Ladak) Ladakh;] **T. t. tibetanus** Gould, [India : (Ladak) Ladakh, & Sikkim], **T. tibetanus aquilonifer** R. & A. Meinertzhagen [India : Sikkim], Clay, 1940. *Proc. Zool. Soc. Lond. (B)*, 110 : 75, figs. 50 & 51, as *G. tetraogallus* Clay.
12. **curvicornis** Nitzsch, 1866. *Z. ges. NatWiss.*, 28 : 388.
 Host : **Argusianus argus** (Linne), [India : no history], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 229.
- (13) **dentatus** (Rudow), 1870, (*Goniocotes*). *Z. ges. NatWiss.*, 35 : 476. = no. 29.
14. **dispar** Burmeister, 1838. *Handb. Ent.*, 3 : 432.
 Host : **Alectoris graeca chukar** (J. E. Gray) & **A. g. pallescens** (Hume), [India : (Ladak) Ladakh], **A. g. falki** Hartert,

[Afghanistan], Clay, 1940. *Proc. Zool. Soc. Lond.* (B), 110 : 87, fig. 60a; *Alectoris graeca chukar* (J. E. Gray), [India : Kulu & Hoshiarpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 295.

15. **dissimilis** Denny, 1842. *Mon. Anopl. Brit.*, 57, 162, pl. 12, fig. 6.

Hosts : (*Phasianus torquatus*)=*Phasianus colchicus torquatus* Gmelin, [India : Calcutta], (*P. soemmeringi scintillans*)=*Syrmaticus soemmeringi scintillans* (Gould), [India : no history], *Ithaginis cruentus* (Hardwicke), [India Sikkim], (probably *G. ithaginis* Clay), *Gallus sonnoerati* Temminck, [India : Bangalore] & *G. gallus [domesticus]* (Linne), [India], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 229; also Kéler, 1939. *Nova Acta Leop.-Carol.* : 98, figs. 51-52, as *Oulocrepis dissimilis* (Nitzsch); *Gallus g. murghi* Robinson & Kloss, [India : Sikkim], & *G. lafayettii* Lesson, [Sri Lanka (Ceylon)], Clay, 1940. *Proc. Zool. Soc. Lond.* (B), 110 : 62, figs. 41-43; *G. gallus [domesticus]* (Linne), [India ? : Punjab], Ansari, 1943. *Indian J. Ent.*, 5 (1 & 2) : 133; (Black minorca), [India : Gurdaspur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 295, (Wild chicken), [Southeast Asia], Emerson, 1956. *J. Kansas Ent. Soc.*, 29 (2) : 69, pl. 3, figs. 1-3; (one slide containing specimen from *G. g. [domesticus]* (Linne), [India : Mysore city], coll. Mr Mariappa is available in Z.S.I).

16. **dolani** Eichler, 1937. *S. B. ges. naturf. fr. Berl.*, 1937 : 96.

Host : *Crossoptilon c. crossoptilon* (Hodgson), [China : Szechwan], as *G. crossoptilon dolani*.

17. **eurygaster** Piaget, 1885. *Pediculines Supplement* : 53, pl. 6, fig. 1.

Hosts : *Lophophorus impejanus* (Latham), [India : Mussorie, (Kumaon) Kumaun, Darjeeling, Sikkim], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 229; also Kéler, 1939. *Nova Acta Leop.-Carol.* (n.f.) 8 : 133, fig. 71 as *Margaritenes eurygaster* (Piaget); *Lophorus impejanus* (Latham), [Nepal], Clay, 1940. *Proc. Zool. Soc. Lond.* (B), 110 : 16, figs. 8b, 10, 11b & 12; also Overgaard, 1943. *Ent. Medd.*, 23 : 4 figs. 1 & 2, as *Margaritenes eurygaster* (Piaget); (3 slides containing 9 specimens from Kellogg's coll. are available in Z.S.I).

- (18). *extraneus* Clay, 1940. *Proc. Zool. Soc. Lond.* (B), 110; 79, figs. 54 & 55. = no. 35.
- (19). *falcicornis* (Nitzsch), 1818 (*Philopterus* s.g. *Goniodes*). *Germar's Mag. Ent.*, 3 : 293. *Nomen novum* for *Pediculus pavonis* Linne. = no. 30.
20. *gigas* (Taschenberg), 1879, (*Goniocotes*). *Z. ges. NatWiss.*, 52 : 104, pl. 1, fig. 10.
 Host : **Gallus [gallus] domesticus** (Linne) [India ? : Punjab], 1943. *Indian J. Ent.*, 5 (1 & 2) : 135; also in Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 298 (Slide containing a female specimen from *Gallus gallus*. [*domesticus*] (Linne), Z. L., M. U., Coll. Qadri and labelled as *Goniocotes gigas* Tasch., and another slide containing a female specimen from fowl. Hyderabad, Dn, (A. P.), Z.S.I. Lot. No. 59/58. Coll. Dr. K. V. Gurumurthy, det. Mr. G. Mathai, are available in Z.S.I.)
- hologaster* Nitzsch, 1818 (*nec hologaster* Denny, 1842) (*Philopterus* s.g. *Goniodes*) = See *Goniocotes*.
21. *humiae* Clay, 1940. *Proc. Zool. Soc. Lond.* (B) 110 : 67, figs. 44a & 45a.
 Host : **Syrmaticus h. humiae** (Hume), [Burma], **S. h. burmanicus** (Oates), (Yunann).
22. *indicus* (Kellogg & Paine), 1914, (*Goniocotes*). *Rec. Indian Mus.*, 10 (4) : 218, pl. 14, fig. 4.
 Hosts : (*Arboricola rufogularis*) **Arborophila rufogularis** (Blyth), [India : (Jorpokri) Jorpakuri (E. Himalaya)]; **A. r. tickelli** (Humme), [Burma : Tennasserim], **A. t. torqueola** (Valenciennes), [India : Sikkim], **A. t. batemani** (Oglivie-Grant); [Burma] & **A. t. millardi** (Stuart Baker), [India : Central Himalaya], Clay, 1940. *Proc. Zool. Soc. Lond.* (B) 110; 21, fig. 14.
23. *intermedius* Neumann, 1913. *Arch. Parasit. Paris*, 15 : 627, figs. 15-18.
 Host **Pucrasia macrolopha biddulphi** Marshall, [India : Kashmir], Clay, 1940. *Proc. Zool. Soc. Lond.*, (b), 110 : 65, figs. 1d, 44b & 45b.
24. *ithaginis* Clay, 1949. *Proc. Zool. Soc. Lond.* (B), 110 : 48, figs. 31 & 36.

Host : *Ithaginis c. cruentus* (Hardwicke), [India : Sikkim],
I. c. clarkei Rothschild, [China : Yunnan], *I. c.*
geoffroyi Verreaux [E. Tibet].

(25). *latifaciatus* Piaget, 1880 (*nec.* Piaget, 1885 & Carriker, 1945)
Pediculines : 269, pl. 22, fig. 4. = no. 26.

lativentris Uchida, 1916. See *Coloceras*.

26. *longus* Rudow, 1869 (*nec* Le Souef, 1902). *Beitr. Kennt. Malloph.* :
 26.

Hosts : *Lophura ignita* (Shaw), *Polyplectron bicalcaratum*
 (Linne) & (*Acomus erythrophthalmus*) *Houppifer*
erythrophthalmus (Raffles), [India : no history], Kellogg
 & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 229; also
 Kéler, 1939. *Nova Acta Leop.-Carol.*, 8 : 23-25.

27. *megaceros* Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) 227,
 pl. 15, fig. 8.

Host : *Lophophorus impejanus* (Latham), [India Calcutta];
 also in [India : Sikkim], Clay, 1940. *Proc. Zool. Soc.*
Lond. (B), 110 : 13, figs. 8a & 11a.

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

Host *Pavo cristatus* Linne, [India : Delhi].

minor Piaget, 1880. *Pediculines* : 256 (*nec* pp. 241 & 248). see
Coloceras.

neumannia Kellogg & Paine, 1914. See *Pachyskelotes*.

29. *ocellatus* (Rudow), 1869, (*Goniocotes*). *Beitr. Kenntn. Malloph.* : 23.

Hosts : (*Gennaeus leucomelanos hamiltonii*) *Lophura leuco-*
melana hamiltonii (J. E. Gray), [India? : E. Himalaya],
 (*G. leucomelanos*) *Lophura leucomelana* (Latham),
 [Nepal], (*G. nycthemerus horsfieldi*) *Lophura leuco-*
melana lathami (J. E. Gray). [India : Assam]. (*G.b.*
oates.) *Lophura leucomelana oatesi* (Oglivie-Grant)
 [Burma], *Pucrasia m. macrolopha* (Lesson), [India? :
 Himalaya] & *P. macrolopha biddulphi* Marshall,
 [India : Kashmir], Clay, 1940. *Proc. Zool. Soc. Lond.*
 (B), 110 : 53 figs. 35, 36b & 37 as *G. dentatus*
 (Rudow), *Bambustricola f. fitchii* Anderson [Upper
 Burma].

parviceps Piaget, 1880. See *Goniocotes*.

30. **pavonis** (Linne), 1758, (*Pediculus*). *Syst. Nat. ed.*, 10 : 613.
 Hosts : (*Pavo nigripennis*) = **Pavo cristatus** [*nigripennis* Sclater], [India : Calcutta], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 230, as *G. falcicornis* (Nitzsch); also in Kéler, 1969. *Nova Acta Leop.-Carol.* (n.f.) 8 : 39, figs. 13-15; **P. cristatus** Linne, [India], Clay, 1940. *Proc. Zool. Soc. Lond.*, (B), 110 : 5, figs. 1a, 3, 4a, 5 & 9a; on **Pavo cristatus** Linne, [India], Overgaard, 1943. *Ent. Medd.*, 23 : 1; also on the same host, [India : Amritsar, (Attari) Atari & Hoshiarpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 295. [Bangla Desh : Dacca; India : General Delhi, Lucknow] Slides in B.M. Nat. Hist. piageti Johnston & Harrison, 1912. See *Coloceras*.
31. **processus** Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 226, pl. 15, fig. 9.
 Host : (*Arboricola rufogularis*) = **Arborophila r. rufogularis** (Blyth), [India : (Jorpokri) Jorpakuri (E. Himalaya)]; **A. r. rufogularis** (Blyth), **A. r. tickelli** (Hume), [Burma : Tennasserim], **A. r. intermedia** (Blyth), [Burma], **A. t. torqueola** (Valenciennes), [India : Assam, Sikkim], **A. t. millardi** (S. Baker), [India ? : Central Himalaya] & **A. atrogularis** (Blyth), [India : Assam], Clay, 1940. *Proc. Zool. Soc. Lond.* (B), 110 : 23, fig. 15.
32. **sectus** Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 224, figs. 1 & 2.
 Host : **Catreus wallichii** (Hardwicke), [India : Garhwal & (Kumaon) Kumaun]; on the same host, [India ? : Central Himalaya], Clay, 1940. *Proc. Zool. Soc. Lond.* (B); 110, : 56, fig. 38.
33. **souefi** Clay, 1940. *Proc. Zool. Soc. Lond.* (B), 110 : 100, figs. 66b & 68a.
 Host : (*Excalfacioris c. chinensis*) = **Coturnix c. chinensis** (Linne), [India : Bengal].
34. **spinicornis** Nitzsch, 1866 In *Giebel's Z. ges. NatWiss.*, 28 : 389.
 Hosts : **Tragopan blythi** (Jerdon), [India : Assam, Naga, Haka & Mishimi Hills], **T. satyra** (Linne), [India : (Kumaon) Kumaun (Western Himalaya)], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 229, as *G.*

bicuspidatus Piaget; *T. satyra* (Linne), [India: Calcutta], Kellogg & Nakayama, 1915. *Rec. Indian Mus.*, 11 (1): 139, as *G. bicuspidatus* Piaget; also Kéler, 1939. *Nova Acta Leop.-Carol.* (n.f.) 8:43, figs. 16-18; *T. satyra* (Linne), [India: Sikkim], *T. b. blythi* (Jerdon), *T. temminckii temminckii* (J. E. Gray), [China: Szechwan; India: Assam], *T. caboti* (Gould) [S. China], Clay, 1940. *Proc. Zool. Soc. Lond.* (B), 110:11, fig. 9c; also on the same hosts [India], Overgaard, 1943. *Ent. Medd.*, 23:2; *T. blythi* (Jerdon) [Burma], Eichler, 1950. *Doriana*, 1 (9):4, as *G. spinicornis blythi* Eichler.

35. *temporalis* (Kéler), 1939, (*Stenocrotaphus*). *Nova Acta Leop.-Carol.* (n.F.) 8:131, fig. 70.

Host : *Francolinus gularis* (Temminck), [India: N. Bengal; Nepal], Clay, 1940. *Proc. Zool. Soc. Lond.*, (B), 110:79, figs. 54 & 55, as *G. extraneus* Clay.

- (36) *tetraogallae* Clay, 1940. *Proc. Zool. Soc. Lond.* (B), 110:74, figs. 50 & 51. = no. 11.

37. *tragopan* Clay, 1940. *Proc. Zool. Soc. Lond.*, (B), 110:13, figs. 9d & 11c.

Host : *Tragopan melanocephalus* (J. E. Gray), [India: Kashmir].

Gonocephalus Kéler, 1937

Gonocephalus "Nitzsch" Kéler, 1937, *Arb. morph. tax. Ent., Berlin-Dahlem*, 4:130. Type species: "*chelicornis* Nitzsch."

Not separable from *Goniodes*.

Gonotyles Kelér, 1939

Gonotyles Kéler, 1939, *Nova Acta Leop.-Carol.* (n. F.):8:48. Type species: *Goniodes cervinicornis* "Nitzsch"

Inseparable from *Goniodes*.

49. *Haematomyzus* Piaget, 1869

Haematomyzus Piaget, 1869, *Tijdschr. Ent.*, 12:254, pl. 2. figs. 1-14. Type species: *Haemto, myzus elephantis* Piaget.

Idolocoris Walker, 1872 (nec Douglas & Scott, 1865), in Reuter, *Hardwicke's, Sci. Gossip*, 1871:131. Type species: *I. elephantis* walker.

1. **elephantis**; Piaget, 1869, *Tijascher. Ent.*, 12 : 254, pl. figs. 1-14.
Hosts : **Elephas maximus ceylonicus** (Blainville), [Sri Lanka (Ceylon)], Walker, 1872, in Richter, *Hardwicke's Sci. Gossip*, 1871 : 132, fig. 67, as *Idolocoris elephantis*; **E. maximus** Linne, [Burma], Bhattacharjee, 1939. *Indian J. vet. Sci.*, 9 : 437; also on **E. maximus** Linne, [Pakistan : Lahore], Ansari, 1951. *Indian J Ent.*, 13 (2) : 131, figs. 45 & 46; **Elephas maximus** Linne, [India : Calcutta (ports)], Mukherji & Sen-Sarma, 1955. *Parasitology*, 45 (1 & 2) : 5, 40 figs.; same host, [Burma], Werneck, 1950. *os Malofagos de Mamiferos*, pt. 2 : 199, figs. 306-314.
- (2) **elephantis** (Walker), 1872, (*Idolocoris*). In Reuter, *Hardwicke's Sci. Gossip*, 1871 : 132, fig. 67. = no. 1.

Haematophagus Timmerman, 1950

Haematophagus Timmerman, 1950, *Fauna Islandica*, 2 : 1. Type species: *Quadriceps haematopi* (Denny).

For the present treated under *Quadriceps*.

50. Heleonomus Ferris, 1916

Heleonomus Ferris, 1916, *Canad. Ent.*, 48 : 305. Type species : *Colpocephalum truncatum* Piaget.

1. **elbeli** Price, 1970. *Ann. Ent. Soc. Amer.*, 63 (4) : 1170, fig. 24.
Host : **Anthropoides virgo** (Linne), [India : Deccan, Hyderabad, (A.P.)].
2. **laveryi** Price, 1970. *Ann. Ent. Soc. Amer.*, 63 (4) : 1171, figs. 35, 38.
Host : **Grus antigone**, (Linne) [India : (Rajputana) Rajasthan and general].
3. **macilentus** (Nitzsch), 1866, (*Colpocephalum*). In Giebel's *Z. ges. NatWiss.*, 28 : 394.
Host : **Grus g. grus** (Linne), [India], (Slide in B. M. Nat. Hist. (*G. nigricollis* Przevalski, [Asia and Tibet], Price, 1970. *Ann. ent. Soc. Amer.*, 63 (4) : 1166, figs. 13-19, 25-27.
- (4). **miandrius** (Kellogg), (*Colpocephalum*). *Wiss. Ergebn. Schwed. Zool. Exped. Kilimandjaro*, 3 abt. 15 : 53, pl. 7, fig. 10. = no 5.

5. **semiluctus** (Gervais), 1844, (*Liotheum*). In Walckener, *Hist. nat. Ins.*, 3 : 322, pl. 49, fig. 7.

Host : **Balearica pavoni[c]na** (Linne), [India : Calcutta] Kellogg & Nakayama, 1915. *Rec. Indian Mus.*, 11. (1) : 139, as *Colpocephalum meandrium* Kellogg.

Helluo Clay and Meinertzhagen, 1938 (nec Bonelli, 1809).

Helluo Clay and Meinertzhagen, 1938, *Entomologist*, 71, 2. Type species : *Helluo neophron* Clay and Meinertzhagen.

A junior homonym of *Helluo* Bonelli, 1809 and synonymous with *Aegypoecus* Clay & Meinertzhagen, 1939.

51. **Heterodoxus** Le Souëf & Bullen, 1902.

Heterodoxus Le Souëf & Bullen, 1902, *Vict. Nat.*, 18 : 159. Type species (by monotypy) : *H. macropus* Le Souëf & Bullen.

1. **spiniger** (Enderlein), 1909, (*Menopon*). *Jenais. Denkschr.*, 14 : 80. pl. 8, figs. 4, 5.

Host : **Canis familiaris** Linne, [India], Plomley, 1940. *Pap. & Proc. Roy. Soc. Tasmania*, (1939) : 19, pl. 3, figs. A-J, pl. 4, figs. A, B, D-K, pl. 5, figs. A, C-G, pl. 6, figs. B & C; on the same host. [Burma], Thompson, 1940. *Pap. & Proc. Roy. Soc. Tasmania*, (1939) : 27; also [India ? : Punjab], Ansari, 1951. *Indian J. Ent.*, 13 (2) : 133, fig. 43; [India : Calcutta], Sen & Fletcher 1962. *Vet. Ent. & Acarology for India* : 409, pl. 39, as *H. longitarsus* Piaget; [Nepal : Balaju, Khatmandu], Emerson, 1971. *J. med. Ent.* 8(6) : 622; [Sri Lanka (Ceylon)], Kéler, 1971, *Austr. J. Zool.* (S.S.) Suppl. No. 6. : 64. figs. 17-20, 82, 84, 115E. 116 I, 116K-N, 117-119.

Himantophagus Zlotorzycka, 1967

Himantophagus Zlotorzycka, 1967, *Pol. Pismo Ent.*, 37 (4) : 732.

Type species : *Nirmus hemichrous* Nitzsch.

Retained for the present under *Quadriceps*.

52. **Hohorstiella** Eichler, 1940

Hohorstiella Eichler, 1940, *Zbl. Bakt.* (I. Orig.), 145 : 362. Type species : *Menopon latum* Piaget.

1. **modestum** (Ansari), 1951, (*Columbimenopon*). *Proc. nat. Inst. Sci. India*, 17 (2) : 131, fig. 1.

Host : **Streptopelia d. decaocta** (Frivaldszky), [Pakistan : Lyallpur].

53. *Holomenopon* Eichler, 1941.

Holomenopon Eichler, 1941. *Stettiner Entomol. ztg.*

102 : 125. Type species : *Menopon albofasciatum* Piaget.

1. **clypeilargum** Eichler, 1943. *Mitt. Münch Entomol. ges.*, 33 : 236
Host : **Anas querquedula** (Linne), [Nepal], Price, 1971. *Ann. Ent. Soc. Amer.*, 64 (3) : 643, figs. 26-29.
2. **leucoxanthum** (Burmeister), 1838, (*Menopon*), *Handb. Ent.*, 2:440.
Host : **Netta rufina** (Pallas), [India : (Rajputana) Rajasthan], Price, 1971. *Ann. Ent. Soc. Amer.*, 64 (3) : 635, figs. 2-13; **Sarkidiornis melanotos** (Pennant), [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 112.
3. **setigerum** (Blagoveshtchensky), 1948, (*Menopon*). *Mag. Parasit. Inst. Zool. Acad. Sci.*, U.S.S.R., 10 : 260.
Host : **Anas querquedula** Linne, [Nepal], Price, 1971. *Ann. Ent. Soc. Amer.*, 64 (3) : 637, figs. 1, 14, 15.
4. **tadornae** (Gervais), 1844, (*Philopterus*). In Walckenaer, *Hist. Nat. Inst.*, 3 : 323.
Host : **Tadorna ferruginea** (Pallas), [India : (Rajputana) Rajasthan], Price, 1971. *Ann. Ent. Soc. Amer.*, 64 (3) : 640, figs. 17, 18.

54. *Ibidoecus* Cummings, 1916

Ibidoecus Cummings, 1916, *Proc. Zool. Soc. Lond.* (B) : 663. Type species : *Philopterus plataleae* Denny.

1. **clausus** (Giebel), 1874, (*Docophorus*). *Insecta epizoa* : 107.
Host : **Threskiornis melanocephala** (Latham), [India : several localities], Tandan, 1958. *Trans R. ent. Soc. Lond.*, 110 (14) : 403, figs. 7, 11, 14-16 & 18.
2. **dennelli** Tandan, 1958. *Trans R. ent. Soc. Lond.*, 110 (14) : 395, figs. 1-4, 8, 12, 13 & 17.
Host : **Pseudibis papillosa** (Temminck), [India : Lucknow, U.P. & North].

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

Host : **Platalia l. leucordia** Linne, [India : U.P., (Rajputana) Rajasthan], Tandan, 1958. *Trans. R. ent. Soc. Lond.*, 110 (14):496, figs. 5, 9, 22, & 26.

4. **robustus** Qadri, 1935. *Z. Parasitenk.*, 8 : 235, fig. 7.

Host : (Water-bird)=Probably **Threskiornis melanocephala** (Latham), or **Plegadis falcinellus** (Linne), or **Platalea leucordia major** Temminck & Schlegel, (India), Hopkins & Clay, 1952. *Check list of the Genera & Species of Mallophaga*, 176; probably no. 1, Tandan, 1958. *Trans. R. ent. Soc. Lond.*, 110 (4) : 403.

Idolocoris Walker, 1872

Idolocoris Walker, 1872, (*nec* Douglas & Scott, 1865), *Hardwicke's Sci. Gossip*, (1871) : 131. Type species (by monotypy) : *I. elephantis* Walker.

An absolute synonym of *Haematomyzus*.

55. **Incidifrons** Ewing, 1929

Incidifrons Ewing, 1929. *Man. ext. Parasites* : 111, 189. Type species : *Philopterus pertusus* 'Nitzsch'

1. **fulcae** (Linne), 1758, (*Pediculus*). *Syst. Nat.* ed. 10 : 613. *Nomen novum* for Redi's "Pollino dellafolaga"

Host : **Fulica a. atra** Linne, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 267, as *Incidifrons pertusus* (Burmeister); On the same host, [India : (Rajputana) Rajasthan; Pakistan : Sind], Clay & Hopkins, 1950. *Bull. Br. Mus. nat. Hist. (Ent.)*, 1 (3) : 255, figs. 48, 49, 50, & 51; on the same host, [India : Loc. not cited], Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 399 & Ansari, 1959. *Indian J. Ent.* (1958), 20 (2) : 100.

pertusus (Burmeister, 1838, (*Docophorus*). *Handb. Ent.*, 2 : 436. =no. 1.

56. **Kelerimenopon** Conci, 1942

Kelerimenopon Conci, 1942, *Ann. Mus. civ. Stor. nat. Genova*, 61 : 262. Type species : *Kelerimenopon sanfilippoi* Conci.

1. **psittaculae** Price & Emerson, 1966. *Pacific Insects*, 8 (2) : 360.

Hosts : **Psittacula krameri manillensis** (Bechstein), [India : Lucknow Zoo] & **P. K. borealis** (Neumann), [India : (Rajputana), Rajasthan].

Kelerinirmus Eichler, 1940

Kelerinirmus Eichler, 1940, *Zool. Anz.*, 130 : 101. Type species : "*Nirmus fuscus* Nitzsch in Denny"

Inseparabile from *Degeeriella*.

Koeniginirmus Eichler, 1940

Koeniginirmus Eichler, 1940, *Zool. Anz.*, 130 : 101. Type species : "*Koeniginirmus punctatus* (Nitzsch in Burmeister, 1838, Jedoch sensu A. Koenig)"

For the time being the genus is considered inseparable from *Quadriceps*.

57. **Kurodala** Uchida, 1926

Kurodaia Uchida, 1926, *J. Coll. Agric. Tokyo*, 9 (1) : 50. Type species : *Colcephalum haliaeti* Denny.

1. **deignani** Elbel & Emerson, 1960. *Proc. Biol. Soc. Wash.*, 73 : 119, figs. 1, 2, 3, 5 & 7.

Host : **Glaucidium cuculoides** (Vigors), [India : Sikkim].

2. **fulvofasciata** (Piaget), 1880, (*Menopon*). *Pediculines* : 417.

Host : **Buteo buteo** (Linne), [India], Price & Beer, 1963. *Ann. ent. Soc. Amer.*, 56 : 382, figs. 4-6.

3. **longipes** (Giebel), 1874, (*Menopon*). *Insecta epizoa* : 280.

Host : **Bubo bubo bengalensis** (Franklin), [Pakistan], Ansari, 1955. *Proc. 7th. Pak. Sci. Conf. Sec. Agric.* : 54; Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 400 & Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 434.

4. **panjabensis** (Ansari), 1951, (*Cuculiphilus*). *Proc. nat. Inst. Sci. India*. 17 (2) : 160, fig. 14.

Host : **Athene brama indica** (Franklin), [Pakistan : Lyallpur]; also on the same host, [India], Price & Beer, 1963. *Ann. ent. Soc. Amer.*, 56 : 855, figs. 15 & 24.; same host, [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 112.

5. **subpachygaster** (Piaget), 1880, (*Colpocephalum*). *Pediculines* : 517. pl. 43, fig. 2.

Host : *Tyto alba stertens* Hartert, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Cong. Sec. Agric.* : 54; Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 400; & Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 434.

58. *Laemobothrion* Nitzsch, 1818

Laemobothrion Nitzsch, 1818, *Germer's Mag. Ent.*, 3 : 301. Type species (by subsequent designation, Johnston & Harrison, 1911 : 327) : *L. maximum* Scopoli (= *L. giganteum* N.).

- (1) *aquab* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 57 = no. 8.
 - (2) *circi* (Fourcroy), 1785, (*Pediculus*). *Entomologia Parisiensis*, 2 : 518 = no. 6.
 - (3) *giganteum* (Nitzsch), 1818, (*Liotheum*) s. g. *Laemobothrion*. *Germer's Mag. Ent.*, 3 : 301. = no. 6.
 - (4) *hieraaeti* Eichler, 1943. *Mitt. naturW. Ins. Sofia*, 16 : 209, fig. 3. = no. 6.
 - (5) *indicum* Sen, 1942. *Indian J. vet. Res.*, 12 : 169, fig. 1. = no. 6.
6. **maximum** (Scopoli), 1763, (*Pediculus*). *Ent. Carniolica* : 382.

Hosts : (*Baza jerdoni*) = *Aviceda jerdoni* (Blyth), [India : Kurseong], Kellogg & Nakayama, 1915. *Rec. Indian Mus.*, 11 (1) : 140, as *L. titan* Piaget; [India : Shembaganur and Madurai], Kéler, 1937. *Arb. morph. tax. Ent.*, 4(4) : 314, as *L. giganteum* Nitzsch; *Milvus migrans govinda* Sykes, [India], Sen, 1942. *Indian J. vet., Res.*, 12 : 169, fig. 1, as *L. indicum* Sen; *M. migrans govinda* Sykes, [Pakistan : Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 192, fig. 26, as *L. titan* Piaget; *Circus ae. aerugiosus* (Linne), [India], Clay & Hopkins, 1954. *Bull. Br. Mus. nat. Hist. (Ent.)*, 3 (6) : 258, figs. 57, 60, 62-66, pl. 12 figs. 3-5, as *L. circi* (Fourcroy); (*Circaetus ferox*) = *Circaetus gallicus gallicus* (Gmelin), [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 57, as *L. siddiqui* Ansari; also on the same host, [Pakistan : Sakrand (Nawabshah)], Ansari, 1956. *Pakistan J. Sci. Res.*, 8 (2) : 61, figs. 15-18 & Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 400 as *L. siddiqui*

Ansari., (*Hieraeti pennatus*)=**Hieraetus pennatus** (Gmelin), [Pakistan : Shujawal (Tatta Dist.)], Ansari, 1956. *Pakistan J. Sci. Res.*, 8 (2) : 7 & Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 400, as *L. hieraeti* Eichler; (*Milvus lineatus*)=**Milvus migrans lineatus** (J. E. Gray), [Burma], **Haliastur indus** (Boddaesrt), [India; Sri Lanka (Ceylon)], **Accipiter badius** (Gmelin), **Buteo rufinus** (Cretzschmar), & **B. indicus** (Franklin), [India], Nelson & Price, 1965. *J. Med. Ent.*, 2 (3) : 253, figs. 1, 2, 8, 12, 16, 17 & 13, as *L. maximum* (Scopoli).

(7) *siddiqui* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 57. =no. 6.

8. **tinnunculi** (Linnaeus), 1759, (*Pediculus*). *Syst. Nat. ed.* 10 : 612.

Hosts: **Falco t. tinnuculus** Linne, [India], Clay & Hopkins, 1950. *Bull. Br. Mus. nat. Hist. (Ent.)*, 1 (3) : 228, figs. 1-5, pl. 1, fig 1; (*Falco jugger*) **Falco biarmicus jugger** J. E. Gray, [Pakistan : Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 192; (*Falco jugger*) **Falco birmicus jugger** J. E. Gray, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 57, as *L. aquab* Ansari; also on the same host, [Pakistan : Mancher Lake (Sind)], Ansari, 1956. *Pakistan J. Sci. Res.* 8 (2) 60, figs. 11-14; also Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 400 & Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 437, figs. 63-67, as *L. aquab* Ansari; & (*Falco jugger*)=**Falco biarmicus jugger** J. E. Gray & **F. tinnunculus** Linne, [India], Nelson & Price 1965. *J. med. Ent.*, 2 (3) : 253, figs. 4, 5, 9, 11 & 15, as *L. tinnunculi* (Linne); **F. tinnunculus** Linne, [Nepal], Emerson, 1973. In ; *Some ectoparasites of the birds of Asia* : 104.

(9) *titan* Piaget, 1880. *Pediculines* : 578, pl. 49, fig. 1.=no. 6.

10. **vulturis** (J. C. Fabricius), 1775, (*Pediculus*). *Syst. Entomologiae Flenshurgi et Lipsiae* : 806.

Host : (*Pseudogyps bengalensis*)=**Gyps bengalensis** (Gmelin), [India : Deccan], Clay & Hopkins, 1951. *Bull. Br. Mus. nat. Hist. (Ent.)*, 2 (1) : 33, fig. 45, pl. 3 figs. 4-6; **Aquila heliaca** Savigny, [India], **A. clanga** Pallas [Afghanistan], **A. pomarina** C. L Brehm, **Haliaeetus**

leucoryphus (Pallas), (*Sarcogyps calvus*)=**Torgas calvus** (Scopoli), **Gyps fulvus** (Hablizl), **G. himalayensis** Hume, [India], **G. indicus** (Scopoli), (*Pseudogyps bengalensis*)=**Gyps bengalensis** (Gmelin), & **Gypaetus barbatus** (Linne), [India], Nelson & Price, 1955. *J. Med. Ent.* 2 (3) : 235, figs. 6, 7, 13, 19 & 22.

59. Lagopoecus Waterston, 1922

Lagopoecus Waterston, 1922, *Ent. mon. Mag.*, 58 : 159. Type species : *Nirmus cameratus* "Lyonet"

1. **heterotypus** (Mégnin), 1880, (*Nirmus*). *Parasites et Maladies parasit.* : 87.

Host : **Lophophorus impejanus** (Latham), [India : Calcutta], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 219, pl. 15, fig. 5, as *Goniocotes nirmoides* Kellogg & Paine; **L. impejanus** (Latham), [India : Sikkim; Nepal], **L. sclateri** Jerdon [China : Yunnan; Tibet], Clay, 1938. *Proc. Zool. Soc. Lond.* (B) 108 : 192, fig. 43c, pl. 14, fig. 4.

2. **meinertzhageni** Clay, 1938. *Proc. Zool. Soc. Lond.* (B) 108 : 192, figs. 44b, c, 45, pl. 14, fig. 3.

Host : **Lerwa lerwa** (Hodgson), [India : Sikkim].

- (3) **nirmoides** (Kellogg & Paine), 1914, (*Goniocotes*). *Rec. Indian Mus.* 10 (4) : 219, pl. 15, fig. 5. = no. 1.

Liotheum Nitzsch, 1818

Liotheum, Nitzsch, 1818, *Germar's Mag. Ent.*, 3 : 420. Type species : sub *judice*.

Undecided generic name

atrum Nitzsch, 1818. See *Eulaemobothrion*.

cucullare Nitzsch, 1818. See *Myrsidea*.

decimfasciatus Boisduval & Lacordaire, 1835. See *Ciconiphilus*.

flavescens Haan, 1829. See *Colpocephalum*.

gigantium Nitzsch, 1818. See *Laemobothrion*.

mesoleucum Nitzsch, 1818. See *Myrsidea*.

ochraceum Nitzsch, 1818. See *Actornithophilus*.

pallidum Nitzsch, 1818. See *Menopon*.

semiluctus Gervais, 1844. See *Heleonomus*.

stramineum Nitzsch, 1818. See *Menacanthus*.

60. *Lipeurus* Nitzsch, 1818

Lipeurus Nitzsch, 1818, *Germer's Mag. Ent.*, 3 : 292. Type species : (by subsequent designation, Johnston & Harrison, 1911. *Proc. Linn. Soc. N.S.W.*, 36 : 326) : *Pediculus caponis* Linne. (vide, 1955. *Bull. Zool. Nomencl.*, 10 (9) : 273)

alchatae Rudow, 1869, See *Syrrhaptaeus*.

angustissimus Giebel, 1866. See *Turnicola*.

antilogus Nitzsch, 1866. See *Otidoecus*.

appendiculatus Piaget, 1880. See *Oxylipeurus*.

baculus (Nitzsch) 1818, (*Phlopterus* s.g. *Lipeurus*). See *Columbicola*.

1. *boonsongi* Emerson & Elbel, 1957. *Proc. Ent. Soc. Wash.*, 59 : 237.

Host : *Francolinus pintadeanus* (Scopoli), [Burma].

burmeisteri Taschenberg, 1882. See *Oxylipeurus* & *Reticulipurus*.

2. *caponis* (Linne), 1758, (*Pediculus*). *Syst. Nat.* ed. 10 : 614.

Hosts : (*Geunaeus melanotus*)=*Lophura leucomelana melanota* (Hutton), [India : Darjeeling], (*G. swinhoii*)=*Hierophasis swinhoii* (Gould) ? [India : ? no history], *Argusianus argus* (Linne), [India ? : no history], (*Pavo nigripennis*)=*Pavo cristatus [nigripennis]* Scater, [India : no history] & *Gallus gallus [domesticus]* Linne, [India : Calcutta], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 221 (Kellogg & Paine's (*Loc. cit.*) record on (*Phasianus torouatus*) please refer to *L. maculosus* Clay; *Gallus g. gallus* (Linne), [Burma], *G. g. murghi* Robinson & Kloss, [India : Sikkim], *G. lafayettii* Lesson, [Sri Lanka (Ceylon)], & *G. soneratti* Temminck, [India : Nilgiris], Clay, 1938. *Proc. Zool. Soc. Lond.* (B), 108 : 111, figs. 1, 2a, b, 3a; *Gallus gallus [domesticus]* & others cited above [Burma; India; & Sri Lanka (Ceylon)], Overgaard, 1943. *Ent. Medd.*, 23 : 8, *G. gallus [domesticus]* Linne, [India : Punjab] Ansari, 1943. *Indian J. Ent.*, 5 (1 & 2) : 132, as *L. variabilis* Burmeister : *G. gallus [domesticus]* (Linne), [India : Loc. not cited], & *Francolinus f. asiae* Bonaparte, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 293; (domestic chicken), [Southeast Asia], Emerson, 1956. *J. Kansas ent. Soc.*, 29 (2) : 69, pls. 1-3. (One slide containing specimens from *G. gallus domesticus* (Linne), from India (Basti : U.P.) Coll. A. W. Hamid & one slide

containing specimens from the same host, Z. L., Aligarh Muslim University, Coll. M.A.H. Qadri are available in Z.S.I. colls.).

oastaneus Piaget, 1885 p. 62 (*nec.* p. 73). See *Ardeicola*.

cinereus Nitzsch, 1866. See *Cuclotogaster*.

coloratus Piaget, 1880. See *Anaticola*.

3. **crinitus** (Rudow), 1869, (*Nirmus*). *Beitr. Kenntn. Mallophaga* : 19.

Host : *Clerysolophus amhersliae* (Leadbeater), [Tibet], Clay, 1940. *Proc. Zool. Soc. Lond.* (B) 108 : 119, pl. 1 fig. 5a; fig. 7a.

dentatus Sugimoto, 1934. See *Oxylipeurus*.

denticlypeatus Sugimoto, 1935. See *Oxylipeurus*.

4. **eurycnemus** Taschenberg, 1882. *Nova Acta Leop.-Carol.*, 44 : 171, pl. 6 fig. 5.

Host : *Lophophorus impejanus* (Latham), [India], (Slide available in B. M. Nat. Hist.).

exilicorins Piaget, 1880. See *Columbicola*.

frater Giebel, 1874 p. 210 (*nec.* p. 242). See *Falcolipeurus*.

fuligulae T. Müller, 1927. See *Anaticola*.

heterographus Nitzsch, 1866. See *Cuclotogaster*.

himalayensis Rudow, 1869. See *Oxylipeurus* & *Reticulipeurus*.

hyalinus Neumann, 1911. See *Perineus*.

intermedius Piaget, 1880. See *Reticulipeurus*.

5. **introducatus** Kellogg, 1896. *Proc. Calif. Acad. Sci.* (2) 6 : 500, pl. 68 figs. 1 & 5.

Hosts : (*Gennaesus n. oatesi* = *Lophura nyctemerus oatesi*) *Lophura leucomelana oatesi* (Oglivie-Grant), [Burma], (*G. n. leucomelanos*) = *Lophura leucomelana* Latham [Nepal], (*G. n. hamiltonii*) = *Lophura leucomelana hamiltonii* (J. E. Gray), [India : Central Himalaya], (*G. n. horsfieldii*) = *Lophura leucomelana lathamii* (J. E. Gray), [India : Assam], Clay, 1938. *Proc. Zool. Soc. Lond.* (B), 108 : 118, figs. 3b, 5d, 6c, pl. 1 fig. 6 as *L. subsellatus* Harrison.

(6) **keleri** Clay, 1938. *Proc. Zool. Soc. Lond.*, (B), 108 : 122, figs. 3d, 4c, 5f, pl. 2 fig. 2.

Host : *Crossoptilon c. crossoptilon* (Hodgson), [China : Szechwan].

7. **lawrensis*** Bedford, 1929. *Rep. vet. Res. S. Afr.*, 15: 521, figs. 22-24
 Host : **Gallus gallus [domesticus]** (Linne), [India ? : Punjab], Ansari, 1943. *Indian J. Ent.*, 5 (1 & 2) : 132, figs. 2, 3, as *L. tropicalis* Peters; (Black minorca), [India], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 293, as *L. tropicalis* Peters; (Domestic chicken), [India], Emerson, 1956. *J. Kansas ent. Soc.*, 29 (2) : 73, pl. 6 figs. 1-3, as *L. lawrensis tropicalis* Peters. (Two slides labelled as *L. tropicalis* Peters from Fowl, India (Hyderabad : Andhra Pradesh), Coll. Dr. K. V. Gurumurthy) are available in Z. S. I.).
lepidus Nitzsch, 1866. See *Ardeicola*.
8. **lewisii** Elbel and Price, 1970. *J. Kans. ent. Soc.*, 43 (2) : 238, figs. 1-4.
 Host : **Caloperdix o. oculatea** (Temminck), [Burma].
longus Piaget, 1880. See *Oxylipeurus & Reticulipeurus*.
luridus (Nitzsch), 1818 (*Philopterus s. g. Lipeurus*). See *Fulicoffua*.
9. **maculosus** Clay, 1938. *Proc. Zool. Soc. Lond.*, (B), 108:116, figs. 5a, 6a, pl. 1 fig. 2.
 Host : (*Phasianus torquatus*)=**Phasianus colchicus torquatus** Gmelin, [India : Captive birds, Calcutta], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 221 labelled as *Lipeurus caponis* is available in Z. S. I., but the specimens are identical with *L. maculosus* Clay....
 Lakshminarayana, 1970, *Ph. D. Thesis, systematic studies on Mallophaga on birds & mammals*, Agra university, Agra : 261 pl. ? figs. 1-2; pl. 16 figs. 2-3.
- megalops* Piaget, 1880. See *Reticulipeurus*.
mesopelios Nitzsch, 1806. See *Reticulipeurus*.
mississippiensis McGregor, 1917. See *Picicola*.
orthopleurus Nitzsch, 1874. See *Pachyskelotes*.
10. **pavo** Clay, 1938. *Proc. Zool. Soc. Lond.*, (B), 108 : 125, figs. 2c, 4d, 7d, 10a, pl. 4 fig. 1.
 Host : **Pavo cristatus** Linne, [India : Delhi, Nepal]; on the same host, [India : Hoshiarpur, (Attari) Atari], Ansari, 1947. *Proc. nat. Inst. Sci. India*. 13 (6) : 292. (One slide containing specimen from the same host from India (Goalpara : Assam), Coll. B. K. Tikader

*. Recently transferred to *Numidilipeurus Tendeir*

is available in Z. S. I. (*Vide*. Lakshminarayana, 1970. Ph. D. Thesis; *Systematic studies on Mallophaga on birds & mammals*, Agra university, Agra : 264.

quadripustulatus Burmeister, 1838 (*nec*. Piaget, 1838). See *Falcolipeurus*.

secretarius Giebel, 1874. See *Falcolipeurus*.

(11) *sellatus* (Rudow), 1870, (*Nirmus nec N. sellatus* Burmeister, 1838). *Z. ges. NatWiss.*, 35 : 470=no. 13 & 5.

12. *songprakobi* Elbel and Price, 1970. *J. Kans. ent. Soc.*, 43 (2) : 241. figs. 7-10.

Host : *Caloperdix o. oculate* (Temminck), [Burma].

sordidus Giebel, 1866. See *Anaticola*.

squalidus (Nitzsch), 1818. (*Philopterus s. g. Lipeurus*). See *Anaticola*.

stenopygos Giebel, 1861. See *Acidoproctus*.

13. *subsellatus* (Harrison), 1916, (*Degeeriella*) *Parasitology*, 9 : 124. *Nomen novum* for *Nirmus sellatus* Rudow (*nec*. Burmeister, 1838)=no. 5.

sulae Rudow, 1869. See *Pectinopygus*.

suturalis Rudow, 1869. See *Falcolipeurus*.

14. *tropicalis* Peters, 1931. *Ent. News*, 42 : 195, figs. 1 & 2=no. 7. *unicolor* Piaget, 1880. See *Oxylipeurus*.

(15) *variabilis* Burmeister, 1838. *Handb. Ent.*, 2 : 434.=no. 2. *zonatus* Piaget, 1881. See *Buceronirmus*.

61. *Lunaceps* Clay & Meinertzhagen, 1939

Lunaceps Clay & Meinertzhagen, 1939, *Ann. Mag. nat. Hist.* (11) 4 : 450.

Type species : *Degeeriella actophila* (Kellogg & Chapman).

1. *actophila* (Kellogg & Chapman), 1899, (*Nirmus*). *Occ. Pap. Calif. Acad. Sci.*, 6 : 78, pl. 6 fig. 4.

Host : (*Erolia m. minuta*)=*Calidris minutus* (Leisler), [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13(6) : 280. (May be identical with no. 3).

2. *falcinellus* Timmermann, 1954. *Ann. Mag. nat. Hist.* (12) 7 : 627.

Host : *Limicola falcinellus* (Pontoppidan), [India; Pakistan : Karachi].

3. **holophaeus** (Burmeister), 1838, (*Nirmus*). *Handb. Ent.*, 2 : 427.
Host : **Philomachus pugnax** (Linne), [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 279, as *Quadriceps holophaea* (Nitzsch); also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 398 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 98; also on the same host. [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 91.
4. **husainii** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 49.
Host : (*Erolia m. minuta*)=**Calidris minutus** (Leisler), [Pakistan], also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 398 & Ansari, 1959. *Indian J. Ent.* (1958), 20 (2) : 98, figs. 213-220.
5. **limosella** Timmermann, 1954. *Ann. Mag. nat. Hist.*, (12) 7 : 629.
Host **Limosa lapponica** (Linne), [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 92.

62. *Maculinirmus* Ztotorzycka, 1964.

Maculinirmus Ztotorzycka, 1964, *Acta Parasitol. Polonica*, 12 (24) : 247.

Type species : *Nirmus mundus* Nitzsch.

1. **mundus** (Nitzsch), 1866, (*Nirmus*). *z. ges. NatWiss.*, 28 : 266.
Host : **Oriolus o. kundoo** Sykes & **Saxicola torquata indica** (Blyth) [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 289, as *Brueelia* (= *Degeeriella*) *munda* (Nitzsch).

Margaritenes Kéler, 1939

Margaritenes Kéler, 1939, *Nova Acta Leop.-Carol.* (n.f.) 8 : 132.

Type species : *Goniodes eurygaster* Piaget.

Inseparable from *Goniodes*.

Megalipeurus Kéler, 1958

Megalipeurus Kéler, 1958, *Deutsche Ent. Zeitschr.*, (n. F.) 5 : 327.

Type species : *Lipeurus unicolor* Piaget.

A subgenus of *Reticuliperus* Kéler.

63. *Menacanthus* Neumann, 1912

Menacanthus Neumann, 1912, *Arch. Parasit., Paris*, 15 : 353. Type species : *Menopon robustum* Kellogg.

Neumannia Uchida, 1926, (nec. Trouessart, 1888). *J. Coll. Agric. Tokyo*, 9 : 27.
Type species : *Neumannia okadai* Uchida.

Eomenacanthus Uchida, 1926, *J. Coll. Agric. Tokyo*, 9 : 30. Type species : *Eomenacanthus biseriatus* (Piaget).

Uchida Ewing, 1930, *Proc. biol. Soc. Wash.*, 43 : 125, nomen novum for *Neumannia* Uchida.

1. **abdominalis** (Piaget), 1880 (*Menopon*). *Pediculines* : 473, pl. 36 fig. 9.
Host : *Coturnix c. coturnix* (Linne), [Pakistan : Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 135, fig. 3; as *Uchida abdominalis indicus* Ansari.
2. **annulatus** (Giebel), 1874, (*Menopon*). *Insecta epizoa* : 285.
Host : *Passer [d]. indicus* Jardine et Selby, [India : Punjab], Ansari, 1956. *Indian J. Ent.* (1955), 17(3) : 400., & Ansari, 1957. *Indian J. Ent.* (1956), 18 (4) : 434.
3. **camellinus** (Nitzsch), 1874, (*Menopon*). *Insecta epizoa* : 288, pl. 15 fig. 3.
Host : *Lanius excubitor lahtora* (Sykes), [Pakistan : Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 143, fig. 7, as *M. dudiyalatora* Ansari. (of. Zlotorzycka, 1965. *Acta Parasitologica Polonica*, 13 (6) : 46.
- (4). **dudiyalatora** Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 143, figs. 7. = no. 3.
5. **gonophaeus** (Burmeister), 1838, (*Menopon*). *Handb. Ent.*, 2 : 440.
Host : *Corvus corax*, (corax) Linne, [India : Calcutta; Nepal], Kellogg & Nakayama, 1915. *Rec. Indian Mus.* 11 (1) : 139, as *Menopon gonophaeum* Nitzsch; (*C. corax laurancei*) *Corvus corax subcorax* Severtzov & (*C. frugilegus tschusii*) *Corvus f. frugilegus* Linne, [India : Punjab], Ansari, 1951. *Proc. Inst. Sci. India*, 17 (2) : 139.
6. **gulabimaina** Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 139.
Host : (*Pastor roseus*) = *Sturnus roseus* (Linne), [Pakistan : Lyallpur]. (probably *M. mutabilis* Blagoveshtchensky, 1940. of Zlotorzycka, 1965. *Acta Parasitologica Polonica*, 13 (6) : 48.
7. **guldum** Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 140, fig. 5.

- Host: (*Molpastes cafer intermedius*)=***Pycnonotus cafer intermedius*** Blyth, [Pakistan : Lyallpur]. Probably *Camelinus*.
8. **himalayicus** Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 148, fig. 9.
Host: (*Sturnus vulgaris humii*) = ***Sturnus vulgaris indicus*** Blyth, [Pakistan : Lyallpur] = Probably *M. mutabilis* Blagoveshtchensky, 1940. (of. Hopkins & Clay, 1953. *Ann. Mag. nat. Hist.*, (12) 6 : 439 and Zlotorzyczna, 1965. *Acta Parasitol. Polon.* 13 (6) : 50, fig. lg. 3a).
9. **kalatitar** (Ansari), 1951, (*Uchida*). *Proc. nat. Inst. Sci. India*, 17 (2) : 137, fig. 4.
Host: ***Francolinus f. asiae*** Bonaparte, [Pakistan: Lyallpur].
10. **laticeps** Blagoveshtchensky, 1948. *Mag. Parasit. Leningr.*, 10 : 264, fig. 5 & 5a.
Host: ***Corvus* [f.] *frugilegus*** Linne, [Pakistan], Ansari, 1955. *Proc. 7th. Pak. Sci. Conf. Agric.*, : 54; also Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 400, & Ansari, 1957. *Indian J. Ent.* (1956), 18 (4) : 433.
11. **mamola** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.*: 53.
Host: ***Enicurus maculatus maculatus*** Vigors, [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 400 & Ansari 1957. *Indian J. Ent.*, (1956), 18 (4): 433, figs. 35-41.
12. **masudi** Qadri, 1935. *Z. Parasitenk.*, 8 : 226, fig. 2.
Host: ***Corvus* [s.] *splendens*** Vieillot, [India]; on the same host, [Pakistan: Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 139.
13. **monochromateus** (Kellogg & Paine), 1914, (*Menopon*). *Rec. Indian Mus.*, 10 (4) : 240, fig. 5.
Host: (*Garrulus glandarius lanceolatus*) ***Garrulus lanceolatus*** Vigors, [India : Simla].
14. **mutabilis** Blagoveshtchensky, 1940. *Mag. Parasit. Leningr.*, 8 : 31, 78, fig. 5. Probably no. 5 & no. 8 may be conspecific with this species. (of. Zlotorzyczna, 1965. *Acta Parasitol. Polon.* 13 (6) : 50, fig. lg. & 3a.

15. **pallidulus** (Neumann), 1912, (*Menopon*). *Arch. Parasit.*, 15 : 361, figs. 7-9.
Host: Wild chicken [Southeast Asia], Emerson, 1956. *J. Kansas ent. Soc.*, 29 (2) : 77, pl. 8 figs. 1-3.
quadrifasciatum Piaget, 1880: See *Myrsidea*.
16. **safedgal** Ansari, 1951. *Proc. nat. Inst. Sci. India*. 17 (2) : 141, fig. 6.
Host: (*Molpastes l. leucogenys*) = *Pycnonotus l. leucogenys* (Gray), [India : Kulu].
17. **spiniferus** (Piaget), 1885, (*Menopon*). *Pediculines supplement* : 99, pl. 10 fig. 9.
Host: *Acridotheres t. tristis* [Linne], [Pakistan : Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 150.
spinigerus (Neumann), 1912, (*Menopon s. g. Menacanthus*).
See *Heterodoxus*.
18. **stramineus** (Nitzsch), 1818, (*Liotheum s. g. Menopon*). *Germar's Mag. Ent.*, 3 : 300. *Nomen novum* for *Pediculus meleagridis* Panzer, 1793 (*nec. Linne, 1758*).
Host: *Gallus [gallus] domesticus* (Linne), [India : Punjab], Ansari, 1943. *Indian J. Ent.*, 5 (1 & 2) : 131, fig. 1; on the same host, [India : Amritsar, Dhariwal, Pathankot & Bijnor; Atari; Pakistan : Lahore & Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 139. One slide on domestic fowl, [India : Calcutta], Coll. Mrs. J. Chakraborty is available in Z. S. I.
19. **tristis** Qadri, 1935. *Z. Parasitenk.*, 8 : 226, fig. 1.
Host: *Acridotheres t. tristis* (Linne), [India]; on the same host Ansari, 1955. *Proc. 7th Pak Sci. Conf. Agric.*, : 54, [India? : Punjab], Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 400 & Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 433.
20. **unicolor** (Piaget), 1880, (*Menopon*). *Pediculines* : 471, pl. 38 fig. 5.
Host: (*Phasianus torquata*) = *Phasianus colchicus torquatus* Gmelin, [India : Captive bird], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 232, as *Menopon unicolor* Piaget.

64. *Menopon* Nitzsch, 1818

Menopon Nitzsch, 1818, *Germer's Mag. Ent.*, 3 : 299. Type species: subsequent designation (Johnston & Harrison, 1911. *Proc. Linn. Soc. N.S.W.*, 36 : 327): "*M. gallinae* Linne, (Syn. *M. trigonocephalum* Olfers & *M. pallidum* N.)".

abdominale Piaget, 1880. See *Menacanthus*.
 acutovulvatum Piaget, 1881. See *Chapinia*.
 anaspilum Nitzsch, 1866. See *Myrsidea*.
 annulatum Giebel, 1874. See *Menacanthus*.
 breviceps Giebel, 1874. See *Cuculiphilus*.
 brunneum Nitzsch, 1861. See *Menacanthus*.
 camelinus Nitzsch, 1861. See *Menacanthus*.
 cathartaepapae Nitzsch, 1861. See *Cuculiphilus*.
 concretum Piaget, 1880. See *Pseudomenopon*.
 crocatum Nitzsch, 1866. See *Austromenopon*.
 cucullare Nitzsch, 1818. (*Liotheum* s. g. *Menopon*). See *Myrsidea*.
 cursorius Giebel, 1874. See *Austromenopon*.
 cyrtostigma Kellogg & Chapman, 1902. See *Myrsidea*.
 femorale Piaget, 1880. See *Eucolpocephalum*.
 fulvofasciatum Piaget, 1880. See *Kurodia*.

1. *gallinae* (Linne), 1758, (*Pediculus*). *Syst. Nat. ed.* 10 : 613.

Hosts: *Gallus gallus* [domesticus] (Linne), [India : Calcutta], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 232, as *Menopon pallidum*; on the same host, [India? : Punjab], Ansari, 1943. *Indian J. Ent.*, 5 (1 & 2) : 130 & Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 166; *Gallus gallus murghi* Robinson & Kloss, [India : Sikkim; Nepal], *G. gallus gallus* (Linne), [Burma], *G. lafayetti* Lesson, [Sri Lanka (Ceylon)] & *G. sonneratti* Temminck, [India], Emerson, 1954, *Ann. Mag. nat. Hist.*, (12) 7 : 225, fig. 8; (Wildchickens), [Southeast Asia], Emerson, 1956. *J. Kans. ent. Soc.*, 29 (2) : 77, pl. 10 figs. 1-3. *Caloperdix o. oculate* (Temminck), [probably from Burma], Price and Elbel, 1969. *J. Kansas ent. Soc.*, 42 (3) : 338.

gonophaeum Burmeister, 1838. See *Menacanthus*.
 icterum Burmeister, 1838. See *Austromenopon*.
 insolitus Kellogg & Paine, 1914. See *Myrsidea*.

2. *interpositus* Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 167, fig. 16.

Host: *Francolinus pondicerianus interpositus* Hartert, [Pakistan : Lyallpur]; also Emerson, 1954. *Ann. Mag. nat. Hist.* (12) 7 : 227, fig. 9.

isostomum Nitzsch, 1866. See *Myrsidea*.

3. **Jellisoni** Emerson, 1954. *Ann. Mag. nat. Hist.*, (12) 7 : 230, fig. 10.

Host: *Galloperdix bicalcarata* (J. R. Forster), [Sri Lanka (Ceylon)].

leucoxanthum Burmeister, 1838. See *Holomenopon*.

longipes Giebel, 1874. See *Kurodaia*.

mesoleucum (Nitzsch), 1818. (*Liotheum s. g. Menopon*). See *Myrsidea*.

monochromateum Kellogg & Paine, 1914. See *Menacanthus*.

nigrum Kellogg & Paine, 1912. See *Myrsidea*.

pallidulum Neumann, 1912. See *Menacanthus*.

(4) *pallidum* (Nitzsch), 1818. (*Liotheum s. g. Menopon*). *Nomen novum* for 'Pulex capi Redi' and 'Pediculus gallinae Panzer'. = no. 1.
phaeostomum Nitzsch, 1866. See *Amyrsidea*.

5. **productum** Piaget, 1880. *Pediculines* : 461.

Hosts: (*Acomus erythrophthalmus*) = *Houppifer erythrophthalmus* (Raffles), ♀ 5167/16. Error. *Philopterus* sp).
(*A. pyronotus*) *H. pyronotus* G. R. Gray, *Lophura diardi* Bonaparte, [India : no history], (*Phasianus ellioti*) *Syrmaticus (Calophasis) ellioti* (Swinhoe), *Lophura ignita* (Shaw), [India: Calcutta], *Gallus sonnerati* Temminck, [India : Bangalore]. Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 231.

quadrifasciatum Piaget, 1880. See *Myrsidea*.

setigerum Blagoveshtchensky, 1948. *Holomenopon*.

snodgrassi Kellogg & Kuwana, 1902. See *Cuculiphilus*.

spiniferum Piaget, 1885. See *Menacanthus*.

spiniger Enderlein, 1909. See *Heterodoxus*.

6. **spinulosum** Giebel, 1874. *Insecta epizoa* : 293.

Host: *Polyplectron bicalcaratum bicalcaratum* (Linne), [Burma], Emerson, 1954. *Ann. Mag. nat. Hist.*, (12) 7 : 227, figs. 1. 2.

stramineus Nitzsch, 1818. See *Menacanthus*.

subaequale Piaget, 1880. See *Amyrsidea*.

subrotundatus Piaget, 1880. See *Eidmanniella*.

substitutum Harrison, 1916. See *Amyrsidea*.

temporalis Piaget, 1885. See *Ciconiphilus*.

thoracicum Giebel, 1874. See *Myrsidea*.
 titan Piaget, 1880. See *Piagetiella*.
 trithorax Piaget, 1885. See *Myrsidea*.
 unicolor Piaget, 1880. See *Menacanthus*.
 ventrale Nitzsch, 1866. See *Amyrsidea*.

65. Meromenopon Clay & Meinertzhagen, 1941

Meromenopon Clay & Meinertzhagen, April, 1941, *Ann. Mag. nat. Hist.*, (11) 7 : 333, Type species : *Meromenopon meropis* Clay & Meinertzhagen.

1. **meropis** Clay & Meinertzhagen, April, 1941. *Ann. Mag. nat. Hist.*, (11) 7 : 336, figs. 3, 4.

Host: **Merops apiaster** Linne, [Afghanistan].

66. Meropoecus Eichler, 1940.

Meropoecus Eichler, 1940, *Zool. Anz.*, 130 : 102. Type species : *Docophorus meropis* Denny.

1. **caprai** Conci, 1941. *Boll. Soc. ent. Ital.*, 73 : 102. pl. 1 figs. 6, 7.

Host: (*Merops viridis*)=**Merops o. orientalis** Latham

[India : Isola Elephanta (Bombay)].

2. **meropis** (Denny), 1842 (*Docophorus*). *Mon. Anopl. Brit.*, 46 : 101, pl. 4 fig. 4.

Host: **Merops apiaster** Linne, [Afghanistan], (Slide in B. M. (Nat. Hist.).

3. **smithi** Emerson, 1956. *Ent. News.* 67 : 118, pl. 1 figs. 1, 2, & 3.

Host: **Merops l. leschenaulti** Vieillot, [Burma : Arakan].

Mjöberginirmus Eichler, 1944

Mjöberginirmus Eichler, 1944, *Stettin. ent. ztg.*, 105 : 85. Type species : *Nirmus obliquus* Mjöberg.

The genus is retained for the time being under *Quadriceps*.

67. Mulcticola Clay & Meinertzhagen, 1938

Mulcticola Clay & Meinertzhagen, 1938, *Entomologist*, 71 : Type species : *Esthiopterum hypoleucum* (Denny).

1. **deignani** Emerson and Elbel, 1957. *Canad. Ent.*, 89 (9) : 420, figs. 1-3, 10.

Host: *Caprimulgus macrurus albonotatus* Tickell, (Nepal)

(2) *indicus* Tendeiro, 1962. *Bol. Cult. Guine. Portug.*, (66) 17: 371=no.4.

3. *minutus* Emerson & Elbel, 1957. *Canad. Ent.*, 89 (9) : 422. fig. 5, 7.

Host: *Caprimulgus a. asiaticus* (Latham), [India: (Deccan), Andhra Pradesh].

4. *orientalis* Tendeiro, 1962. *Bol. Cult. Guine Portug*, (66) 17: 346,, 367, 370-371, 372, fig. 6; photos 21-22.

Host: (*Caprimulgus m. monticolus*) = *Caprimulgus affinis monticolus* Franklin, [India: (Deccan) Andhra Pradesh] as *Mulcticola indicus* Tendeiro.

68. *Myrsidea* Waterston, 1915

Myrsidea Waterston, 1915, *Ent. mon. Mag.*, 51 : 12. Type species : *M. victrix* Waterston.

For fuller synonymy attention is invited to Hopkins & Clay, 1952. *A. Check List of the Genera & Species of Mallophaga* : 227; Hopkins & Clay, 1952. Additions and corrections to the Check list of Mallophaga, Pt. I.-*Ann. Mag. nat. Hist.*, (12) 6 : 434-448; Hopkins & Clay, 1955. Additions and corrections to the Check list of Mallophaga, Pt. II -*Ann. Mag. nat. Hist.*, (12) 8 : 177-190; Zlotorzyczka 1964. Mallophaga parasitizing Passeriformes and Pici.-*Acta parasit. Pol.*, 12 : 165-192; Clay, 1966. Contributions towards a revision of *Myrsidea* Waterston (Menoponidae: Mallophaga) I. *Bull. Br. Mus. nat. Hist. (Ent.)*, 17 (8) : 329-395.

1. *amandava* Clay, 1970. *H. D. Srivastava Commem. vol.*; 565, fig. 5.

Host: (*Amandava* [*amandava*=*Estrilde amandava* (Linne), [India : Hyderabad, A. P.]

2. *anaspila* (Nitzsch), 1866, (*Menopon*). *Z. ges. NatWiss.*, 27 : 119.

Host: (*Corvus corax laurencei*)=*Corvus corax subcorax* Severtzov, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.*; 52; also Ansari, 1956. *Indian J. Ent.*, (1955) 17(3) : 399, & Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 432.

3. *assamensis* Tandan, 1972. *Bull. Br. Mus. nat. Hist. (Ent.)*, 27 (7): 390, pl. 1 fig. 57; pl. 2 fig. 63; text-figs. 5, 24, & 44.

Host: *Garrulax l. leucolophus* (Hardwicke), [India : Dehra Dun].

4. *bakttitar* (Ansari) 1951, (*Neomenopon*). *Proc. nat. Inst. Sci. India*, 17(2) : 169, fig. 17.

- Host: (*Pterocles exustus erlangeri* (Neumann)), [Pakistan : Lyallpur]. (Error. Probably *Corvus corvus splendens* Vieillot. Clay, 1965. *Proc. R. ent. Soc. Lond.*, (B), 34(9-10) : 122).
5. **bharat** Tandan & Clay, 1971. *Trans. R. ent. Soc. Lond.*, 123 (2): 216, figs. 3, 14, & 34.
Host: **Turdoides malcolmi** (Sykes), [India : Bharatpur, (Rajputana) Rajasthan, & Deccan, Hyderabad (A. P.)]
6. **bhutanensis** Tandan, 1972. *Bull. Br. Mus. nat. Hist. (Ent.)*, 27(7): 385, pl. 2 fig. 62; figs. 18, 22, & 46.
Host: **Garrulax ruficollis** (Jardine et Selby), [Bhutan] Somchi; India: Kangpokpi, Manipur].
7. **birmensis** Klockenhoff, 1969. *Zool. Anz.*, 183 (5/6): 397, figs. 12-14.
Host: **Corvus macrorhynchos levaillanti** Lesson, [Burma : Myitkyina].
8. **brunnea** (Nitzsch), 1866, (*Menopon*). *Z. ges. Natwiss.*, 28 : 120.
Host: **Nucifraga caryocatactes hemispila** Vigors, [India : Kulu (Kangra Valley); Pakistan : Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India* 17 (2) : 176; also Ansari, 1956. *Indian J. Ent.*, (1955) 17 (3) : 400. & Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 432.
9. **chilchil** Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2): 181, fig. 21.
Host: (*Argya c. caudata*) **Turdoides c. caudatus** (Dumont), [Pakistan: Lyallpur]; *Acridotheres t. tristis* (Linne). Error, [Pakistan : Lyallpur]; **Turdoides c. caudatus** (Dumont), [India : Indore, (Rajputana) Rajasthan; Pakistan : Peshawar & Sind], Tandan & Clay, 1971. *Trans. R. ent. Soc. Lond.*, 123 (2) : 219, pl. 1 fig. 6; figs. 4, 5, 15, 36, & 37.
10. **clayae** Klockenhoff 1969. *Zool. Anz.*, 183 (5/6) : 393, figs. 9, 11, & 31.
Host: **Corvus macrorhynchos culminatus** Sykes, [India: Mahim, Bombay, & Trivandrum, Kerala; Sri Lanka (Ceylon) : Namunukula & Uva Hills]; also Klockenhoff, 1969. *Sond. aus. Z. F. Zool. Syst. u. Evol.*, 7 (1) : 53-58.

11. **cornicis** (De Geer), 1778, (*Ricinus*). *Mem. Hist. Ins.*, 7 : 76, pl. 4 fig. 1.
Host: *Corvus* [corone] *cornix* Linne, [India : Gilgit], Kellogg & Paine 1914. *Rec. Indian Mus.*, 10 (4) : 242, as *Menopon mesoleucum* Nitzsch; (*Corvus frugilegus tschusii*) *Corvus* f. *frugilegus* (Linne), (*C. corax laurencei*) *Corvus corax subcorax* Severtzov & C. s. *splendens* Vieillot, [India ? : Punjab], Ansari 1951. *Proc. nat. Inst. Sci. India* 17(2) : 174.
12. **cucullaris** (Nitzsch), 1818, (*Liotheum* s. g. *Menopon*). *Germer's Mag. Ent.*, 3 : 300. *Nomen novum* for Redi's "pollino del storno bianco"
Host: (*Sturnus vulgaris humii*) = *Sturnus vulgaris indicus* Blyth, [India], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17(2) : 185.
13. **cyrtostigma** (Kellogg & Chapman,) 1902, (*Menopon*). *J. N. Y. ent. Soc.*, 10 : 65, fig. 1.
Host: *Lonchura punctulata* (Linne), [India : Hyderabad, A. P., Nepal], Clay, 1970. *H. D. Srivastava Commen. vol.* : 565, pl., 1 fig. 3; pl. 2 figs. 4-6.
14. **dakhunensis** Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 174, fig. 18.
Host: *Motacilla alba dakhunensis* Sykes, [India: Kulu].
15. **flavirostratus** Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 174.
Host: (*Urocissa f. flavirostris*) *Kitta f. flavirostris* (Blyth), [India : Kulu].
16. **himalayensis** Klockenhoff, 1969. *Zool. Anz.*, 183 (5/6) : 386, figs. 6-7.
Host: *Corvus macrorhynchos intermedius* Adams, [India : Bihar, & U. P.], as *M. shirakii himalayensis*, Klockenhoff, 1969. *Sond. aus Z. f. Zool. Syst. u. Evol.*, 7(1) : 53-58.
17. **insolita** (Kellogg & Paine), 1914, (*Menopon*). *Rec. Indian Mus.*, 10 (4) : 238, fig. 4.
Host: *Corvus* [splendens] *insolens* Hume, [Burma: Mergui].

18. **ishizawai** Uchida, 1926 *J. Coll. Agric. Tokyo*, 9 : 8, fig. 2.
Host: *Zoothera d. dauma* (Latham), [India : Kohima], Clay, 1966. *Bull. Br. Mus. nat. Hist. (Ent.)*, 17 (5) : 379, figs. 18, 46, 62, & 72, pl. 2 fig. 1.
19. **isostoma** (Nitzsch), 1866, (*Menopon*). *Z. ges. Natwiss.*, 27 : 119.
Host: (*Corvus frugilegus tschusii*) **Corvus f. frugilegus** Linne, [India : Punjab], Ansari, 1956. *Indian J. Ent.*, 17 (3) : 399, & Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 432.
- (20) **kulensis** Ansari, 1951. *Proc. nat. Inst. Sci. India* 17 (2) : 190, fig. 25 = no. 41.
- (21) **lyallpurensis** Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 185, fig. 23 = no. 9.
22. **macraidoia** Tandan, 1972. *Bull. Br. Mus. nat. Hist. (Ent.)* 27, (7) : 400, pl. 1 fig. 58 figs. 7, 8, 16, 31.
Hosts: **Garrulax a. albogularis** (Gould), [India : Punjab, Nepal], & **G. a. whistleri** Baker, [India : Lachung; Sikkim].
23. **manipurensis** Tandan, 1972, *Bull. Br. Mus. nat. Hist. (Ent.)*, 27 (7) : 377, pl. 1 fig. 55; figs. 3, 13, 35, & 48.
Host: **Garrulax squamatus** (Gould), [India : Assam; Kangpokpi, Manipur].
- (24) **mesoleuca** (Nitzsch), 1818, (*Liotheum* s. g. *Menopon*). *Germer's Mag. Ent.*, 3 : 300. *Nomen novum* for *Ricinus cornicis* De Geer = no. 11.
25. **nigra** (Kellogg & Paine) 1911, (*Menopon*). *Bull. ent. Res.*, 2 : 151, pl. 5 figs. 4, 4a & 4b.
Host: **Corvus [s.] splendens** Vieillot, [India : Calcutta, Guna (M. P.), & Trivandrum (Kerala); Nepal], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10(4) : 242, as *Menopon nigrum* K. & P; same host, [India : Calcutta], Kellogg & Nakayama, 1915. *Rec. Indian Mus.*, 11 (1) : 139, as *M. nigrum*. K. & P.
26. **nuristaniensis** Klockenhoff, 1969. *Zool. Anz.*, 183, (5/6) : 389, figs. 8, 33, & 34.

- Host:** *Corvus macrorhynchos intermedius* Adams, [Afghanistan: Nuristan]; as *M. shirakii nuristamensis* also, Klockenhoff, 1969. *Sond. aus. z. f. Zool. Syst. u. Evol.*, 7(1) : 53-58.
- 27. orientalis** Tandan, 1972. *Bull. Br. Mus. nat. Hist. (Ent.)*, 27(7) : 398, pls. 2 fig. 64; figs. 6, 15, 25, 40 & 49.
Host: *Garrulax p. pectoralis* (Goûld), [Burma : Myitkyina, Kachin State; India : Kongpokpi, Manipur].
- 28. patkaiensis** Tandan, 1972. *Bull. Br. Mus. nat. Hist. (Ent.)* 27 (7) : 394, figs. 20, 23, 47, & 54.
Host: *Garrulax leucolophus patkaicus* Reichenow, [Burma: Myitkyina, Kachin State].
- 29. peninsularis** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 53.
Host: (*Dicrurus macrocercus peninsularis*) = *Dicrurus adsimilis* probably *albirictus* (Hodgson), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 400, & Ansari, 1957. *Indian J. Ent.*, (1956), 18(4) : 433, figs. 27-34.
- 30. pycnonoti** Eichler, 1947. *Ark. Zool.*, 39A (2) : 18.
Hosts: *Pycnonotus cafer* (Linné)? *P. flavescens* Blyth?, & *P. jocosus* (Linne) ?, [Bhutan], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 117, (Several species of the hosts belonging to the genera *Hypsipetes* & *Pycnonotus*, from different countries were mentioned under the species, of which the above three species may occur near the country under discussion).
- 31. quadrifasciata** (Piaget), 1880, (*Menopon*). *Pediculines* : 440, pl. 35 fig. 6.
Host: *Passer domesticus indicus* Jardine & Selby, [Pakistan: Lyallpur], Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 150.
- 32. salimalli** Tandan & Clay, 1971. *Trans. R. ent. Soc. Lond.*, 123(2) : 222, pl. 1 fig. 2; figs. 6, 20, 39 & 40.
Host: *Turdoides earlei* [Blyth], [India: Delhi; Pakistan : Sind].

33. **satbhai** Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 178, fig. 20.
 Hosts: (*Turdoides terricolor terricolor*) = **Turdoides striatus** (Dumont), [Pakistan : Lyallpur]; same host, [India: Aurangabad (Maharashtra), (Rajputana) Rajasthan, & U. P.; Nepal; Pakistan: Punjab/], **T. striatus sindianus** (Ticehurst), [Pakistan : Sind], **T. striatus somevillei** (Sykes), [India ; Bombay Lucknow, (UP.)] Tandan & Clay, 1971. *Trans. R. ent. Soc. Lond.*, 123 (2) : 213, pl. 1 fig. 1; figs. 1, 2, 11, 12, 19, & 21-33.
34. **sehri** Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 177, fig. 19.
 Host: (*Trochalopteron lineatum grisescentior*) = **Garrulax lineatus lineatus** (Vigors), [India: Kulu]; also, Tandan. 1972. *Bull. Br. Mus. nat. Hist. (Ent.)*, 27 (7) : 374, pl. 2 fig. 59; figs. 10, 21, & 39.
35. **shirakii** Uchida, 1920. *Annot. Zool. Jap.*, 9 : 645.
 Two subspecies, viz., **himalayensis** and **nuristaniensis** were described by Klockenhoff from the regions included in this list (*vide* items 16 & 26).
36. **sikkimensis** Tandan, 1972. *Bull. Br. Mus. nat. Hist. (Ent.)*, 27 (7) : 382, pl. 2 fig. 61; figs. 11, 19, & 51.
 Host: **Garrulax striatus sikkimensis** (Ticehurst), [India: Chungtang, Sikkim].
37. **sindianus** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 53.
 Host: **Dicrurus h. hottentottus** (Linne), [Bangla desh: Rangamatil]; also in Ansari, 1956. *Pak. J. Sci. Res.*, 8 (2) : 58, figs. 8-10, & Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 400.
38. **singularis** Tandan, 1972. *Bull. Br. Mus. nat. Hist. (Ent.)*, 27(7) : 382 pl. 1 fig. 56; figs. 4, 12, 14, 17, 32, 45, & 53.
 Host: **Garrulax s. subunicolor** (Blyth), [India : Chungtang & Lachen, Sikkim].
39. **splendens** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.*, : 53.
 Host: **Corvus s. splendens** Vieillot, [Pakistan]; also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 399.

40. **srivastavai** Clay, 1970. *H. D. Srivastava Commen.* vol.: 563, pl. figs. 1-2; pl. 2 figs. 1-3, & 5; figs. 1-4.
 Host: **Lonchura malabarica** (Linne), [Pakistan: Sind]; also, [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 117
41. **sultanpurensis** Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2): 183, fig. 22.
 Hosts: (*Myophonus coeruleus temminckii*) = **Myiophoneus caeruleus temminckii** (Vigors), [India : Kulu]; *Ceryle lugubris guttulata* Stejneger (Error), [India : Kulu], Ansari, 1951. *Proc. nat. Inst. Sci. India*. 17 (2): 190, fig. 25, as *M. (Alcediniphilus) kuluensis* Ansari; **Myiophoneus caeruleus temminckii** (Vigors), [Afghanistan; India : Kulu] Clay, 1966. *Bull. Br. Mus. nat. Hist. (Ent.)* 17(8): 382, figs. 4, 47, 63; pl. 2 fig. 2. (Dr Clay inadvertently referred to Kulu under Pakistan).
42. **thoracica** (Giebel), 1874, (*Menopon*). *Insecta epizoa* : 287.
 Hosts: **Turdus ruficollis atrogularis** Jerocki, [India: (Rajputana) Rajasthan] & **T. boulboul** (Latham), [Nepal], Clay, 1966. *Bull. Br. Mus. nat. Hist. (Ent.)*, 17 (8): 342, figs. 1, 5, 8, 25-27, & 64; pl. 1 figs. 1, 5, & 6.
43. **trithorax** (Piaget), 1885, (*Menopon*). *Pediculines Supplement*: 97, pl. 10 fig. 8.
 Host: **Corvus macrorhynchus** Wagler, [Bangladesh : Harbanga, Chittagong], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.*; 58; also in Ansari, 1956. *Pak. J. Sci. Res.*, 8(2) : 59, & Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 400.

Neocolpocephalum Ewing, 1933

- Ferrisia* Uchida, 1926 (nec Fullaway, 1923), *J. Coll. Agric. Tokyo*, 9 (1) : 43.
 Type species : *Colpocephalum turbinatum* Denny.
Neocolpocephalum Ewing, 1933, *J. parasit.*, 20 : 65. *Nomen novum* for *Ferrisia* Uchida.
 Inseparable from *Colpocephalum*.

69. *Neomenopon* Bedford, 1920

- Neomenopon* Bedford, 1920, *Parasitology*, 12 : 120. Type species (by monotypy) : *N. pteroclurus* Bedford.

bakttitar Ansari 1951. See *Myrsidea*.

70. *Neophilopterus* Cummings, 1916

Neophilopterus Cummings, 1916, *Proc. Zool. Soc. Lond.*, 1916 : 660.

Type species : *Docophous tricolor* Nitzsch.

1. *phillipsi*, Hajela, 1970. *Ent. mon. Mag*; 106 : 22, figs. 1-8.

Host: *Ibis l. leucocephalus* (Pennant), [Sri Lanka (Ceylon): Northern Hambantota]; on the same host, [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 93.

71. *Neopsittaconirmus* Conci, 1942

Neopsittaconirmus Conci, 20 v. 1942, *Boll. Soc. Ent. Ital.*, 74 : 37.

Type species : *N. borgioli* Conci.

1. *chandabani* (Ansari), 1947, (*Psittaconirmus*). *Proc. nat. Inst. Sci. India*, 13 (6) : 273, fig. 6.

Host: *Psittacula eupatria nipalensis* (Hodgson), [Pakistan: Lyallpur].

2. *lybartota* (Ansari), 1947, (*Psittaconirmus*). *Proc. nat. Inst. Sci. India*, 13 (6) : 275, fig. 7.

Host: (*Psittacula krameri manillensis*) = Probably *Psittacula krameri borealis* (Neumann), (Pakistan : Lyallpur).

Neumannia Uchida, 1926 (*nec* Trouessart, 1888)

Neumannia Uchida, 1926, (*nee* Trouessart, 1888), *J. Coll. Agric. Tokyo*, 9 : 27.

Type species : *Neumannia okadai* Uchida.

A synonym of *Uchida*, and inseparable from *Menacanthus*.

72. *Nigronirmus* Zlotorzzycka, 1964

Nigronirmus Zlotorzzycka, 1964, *Acta Parasitol. Polonica*, 12 (24) : 248. Type species : *Nirmus limbatus* Burmeister.

1. *munia* (Ansari), 1955, (*Brueelia*). (*nec. muniae* Eichler, 1957). *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 56.

Host: (*Uroloncha malabarica*) = *Lonchura malabarica* (Linne), [Pakistan]; also Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 395 & Ansari, 1958. *Indian J. Ent.* 20(1) : 56, figs. 49-56; New combination- (cf. Lakshmi-narayana, 1968. *Oriental Ins.*, 2 (1) : 98.)

2. **parae** (Ansari), 1955, (*Brueelia*). *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 57.

Host: (*Anthus richardi rufulus*) = **Anthus novaseelandiae richardi** Vieillot [Pakistan]; also in Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) 395 & Ansari, 1958. *Indian J. Ent.*, 20 (1) : 58, fig. 58, as *Brueelia parae* Ansari.

3. **ploceus** Lakshminarayana, 1968. *Oriental Ins.*, 2 (1) : 99, figs. 1 & 2 & 2a.

Host: **Ploceus philippinus burmanicus** Ticehurst. [India; Salt Lakes (West Bengal)].

4. **xanthocollis** (Ansari), 1955, (*Brueelia*). *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 56.

Host: (*Gymnoris x. xanthocollis*) = **Petronia x. xanthocollis** (Burton), [Pakistan]; also Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 396 & without host record, Ansari, 1958. *Indian J. Ent.*, 20 (1) : 57 fig. 57, as *Brueelia xanthocollis* Ansari. New Combination, (cf. Lakshminarayana 1968. *Oriental Ins.* '2 (1) : 98.)

Nirmoides Eichler, 1944

Nirmoides Eichler, 1944, *Stettin. ent. ztg.*, 105 : 81. Type species : *Docophorus antennatus* Piaget.

For the present retained in *Quadriceps*.

Nirmus Hermann, 1804

Nirmus Hermann, 1804, *Mem. Apterolog.*, : 12. *Nomen novum* for *Ricinus* De, Geer. Type species (by subsequent designation), Neumann, 1906. *Bull. Soc. Zool. Fr.*, 20 (56) : *Ricinus fringillae* De Geer.

Rejected (*vide Bull. Zool. Nomencl.* 1962, 19 (2) : 91-96) opinion 627 (6) a.

Nirmus Nitzsch, 1818 (*nec.* Hermann, 1804)

Nirmus Nitzsch, 1818. (*nec.* Hermann, 1804). *Germer's Mag. Ent.*, 3 : 291. Type species (by subsequent designation, Johnston & Harrison, 1911, *Proc. Linn. Sec. N.S.W.*, 36 : 326) : "*Degeeriella discocephalus* Nitzsch" Rejected (*vide Bull. Zool. Nomencl.*, 1962, 19 (2) : 91-96) opinion 627 (6) b.

- actophilus Kellogg & Chapman, 1899. See *Lunaceps*.
 acutofasciatus Piaget, 1880. See *Pectinipygus*.
 albescens Piaget, 1890. See *Buceronirmus*.
 anagrapsus Nitzsch, 1866. See *Quadriceps*.
 annulatus Denny, 1842. See *Quadriceps*.
 argulus Burmeister, 1838. See *Brueelia*.
 bicuspis Nitzsch, 1874. See *Quadriceps*.
 biguttatus Kellogg & Paine, 1914. See *Brueelia*.
 biocellatus Piaget, 1880. See *Brueelia*.
 brunneus Nitzsch, 1866. See *Quadriceps*.
 cingulatus Denny, 1842. See *Carduiceps*.
 crinitus Rudow, 1869. See *Lipeurus*.
 cursorius Mjöberg, 1910. See *Brueelia*.
 cyclothorax Burmeister, 1838. See *Brueelia*.
 cllipticus Nitzsch, 1866. See *Quadriceps*.
 frater Piaget, 1880. See *Degeeriella*.
 fulicus Denny, 1842. See *Rallicola*.
 fulvus Giebel, 1874. *Degeeriella*.
 furvus Burmeister, 1838. See *Quadriceps*.
 fuscus Denny, 1842. See *Degeeriella*.
 hemichrous Nitzsch, 1866. See *Quadriceps*.
 heterotypus Meignin, 1880. See *Lagopoecus*.
 holophaeus Burmeister, 1838. See *Lunaceps*.
 hoplopteri Mjöberg, 1910. See *Quadriceps*.
 iliaci Denny, 1842. See *Brueelia*.
 latirostris Burmeister, 1838. See *Cuculicola*.
 lotus Nitzsch, 1866. See *Quadriceps*.
 lugens Giebel, 1874. See *Rallicola*.
 marginalis Burmeister, 1838. See *Allobrueelia* & *Brueelia*.
 marginallus Nitzsch, 1866. See *Allobrueelia* & *Brueelia*.
 marginata Burmeister, 1838. See *Allobrueelia*, & *Brueelia*.
 melanophrys Nitzsch, 1866. See *Uppicola*.
 mundus Nitzsch, 1866. See *Maculinirmus*.
 mystax Giebel 1874. See *Rallicola*.
 nigromarginatus Piaget, 1880. See *Cuclotogaster*.
 nigrosignatus Piaget, 1880. See *Brueelia*.
 nisus Giebel, 1866. See *Degeeriella*.
 ochropi Denny, 1842. See *Quadriceps*.
 olivaceus Burmeister, 1838. See *Brueelia*.
 pallidus Piaget, 1880. See *Brueelia*.
 punctatus Burmeister, 1838. See *Quadriceps*.
 quadrisetaceum Piaget, 1880. See *Quadriceps*.
 ravus Kellogg, 1899. See *Quadriceps*.

regalis Giebel, 1886. See *Degeeriella*.
rufus Burmeister, 1838. See *Degeeriella*.
scalaris Piaget, 1880. See *Carduceps*.
sellatus Rudow, 1870 (*nec.* Burmeister, 1838). See *Lunaceps*.
semifissus Nitzsch, 1866. See *Quadriceps*.
signatus Piaget, 1880. See *Quadriceps*.
stenopyx Burmeister, 1838. See *Acidoproctus*.
subcuspidatus Burmeister (*nec.* Piaget, 1880). See *Capraiella*.
subtilis Nitzsch, 1874. See *Brueelia*.
turmalis Denny, 1842. See *Otidoecus*.
uncinosus Burmeister, 1838. See *Brueelia*.
varius Burmeister, 1838. See *Brueelia*.
vittatus Giebel, 1874. See *Degeeriella*.
vulgatus Kellogg, 1896. See *Brueelia*.
zonarius Nitzsch, 1866. See *Carduceps*.

Nitzschia Denny, 1842 (*nec.* Baer, 1827)

Nitzschia Denny, 1842, (*nec.* Baer, 1827), *Mon. Anopl. Brit.* : 230.

Type species (by monotypy) : *N. burmeisteri* Denny. A pre-occupied name.
 An absolute synonym of *Dennyus*.

Minor Kellogg & Paine, 1914. See *Dennyus*.

73. *Nitzschiella* Kéler, 1939

Nitzschiella Kéler, 1939, *Nova Acta Leop.-Carol.* (n. F.), 8:65.

Type species : *Coloceras menadensis* Piaget. (c.f. Tendeiro 1969 *Rev. Cienc. vet.* Laurenco Marques, (A) 2 : 1-124, 81 Photos.)

1. **orientalis** Tendeiro, 1969. *Rev. Cienc. vet.* (A) 2 : 74 Photos 39-42 & 63.

Host: *Streptopelia orientalis agricola* (Tickell), [India: Assam]. (Slide in Br. Mus. nat. Hist. Ent.)

2. **piriformes** Tendeiro, 1969. *Rev. Cienc. vet.* (A) 2: 20 figs. 2, photos 3-6 & 52.

Host: *Chalcophaps i. indica* (Linne), [India : Sikkim].
 (Slide from Andaman is also available in Br. Mus. nat. Hist. Ent.)

74. *Nosopon* Hopkins, 1940

(Genus C. Clay, 1947, *Proc. Zool. Soc. Lond.*, 117 : 463).

Nosopon Hopkins, 1950, *Ann. Mag. nat. Hist.*, (12) 3: 239. Type species: *Menopon "fulvofasciatum var. minor"* Piaget.

1. **chanabensis** (Ansari), 1951 (*Columbimenopon*). *Proc. nat. Inst. sci. India*, 17 (2) : 133, fig. 2.

Host: *Gyps himalayensis* Hume, [Pakistan: Lyallpur].

2. **clayae** Price & Beer, 1963. *J. Parasitology*, 49 (3) : 522, figs. 1 & 2.

Host: *Pernis ptilorhynchus* (Temminck), [Burma].

Oedicnemiceps Eicher, 1943

Oedicnemiceps Eichler, 1943, *Zool. Anz.*, 141 : 59. Type species : *Docophorus annulatus* Nitzsch in Denny sensu Piaget, 1880, *Pediculines* : 364, pl. LIV f: 5."

This genus for the time being considered inseparable from *Quadriceps*.

Olivinirmus Zlotorzzycka, 1974

Olivinirmus Zlotorzzycka, 1964. *Acta Parasitol. Polonica*, 12 (24) : 246.

Type species : *Nirmus glandarii* Denny.

Probably this will fall as a synonym of *Brueelia*.

Oncophorus Piaget, 1880

Oncophorus Piaget, 1880. (*nec.* Rudow, 1870), *Pediculines* : 213.

Type species (by subsequent designation) : *Oncophorus bisetosus* Piaget.

See *Rallicola*.

75. *Otidoecus* Bedford, 1931

Otidoecus Bedford, 1931, *Rep. vet. Res. S. Afr.*, 17 : 285. Type species : *O. dimorphus* Bedford.

1. **antilogus** (Nitzsch), 1866, (*Lipeurus*). *Z. ges. Natwiss.*, 28 : 383.

Host: (*Houbara* (*Otis*) *macqueeni*) = *Chamydotis undulata macqueeni* (J. E. Gray), [Pakistan: (Bhawalnagar) Bhawalnagar & Lahore]. Kellogg & Nakayama, 1915. *Rec. Indian Mus.*, 11 (1) : 139, as *Lipeurus antilogus* Nitzsch.

2. **turmalis** (Denny), 1842, (*Nirmus*). *Mon. Anopl. Brit.*, 48, 114, pl. 6-fig. 10.

Host: (*Eupodotis edwardsi*) = *Choriotis nigriceps* (Vigors), [India], (Slide in B. M. (Nat. Hist.).

Oulocrepis Kéler, 1939

Oulocrepis Kéler, 1939, *Nova Acta Leop.-Carol.* (n.F.) 8 : 97.

Type species : *Gontodes dissimilis* 'Nitzsch'.

Inseparable from *Goniodes*.

76. *Oxylipeurus* Mjöberg, 1910

Oxylipeurus Mjöberg, 1910, *Ark. Zool.*, 6 : 910. Type species: *Lipeurus inaequalis* Piaget.

1. **appendiculatus** (Piaget), 1880, (*Lipeurus*). *Pediculines*: 356, pl. 28, fig. 8.
Host: (*Megapodius n. nicobariensis*)=*Megapodius freycinet nicobariensis* Blyth, [India : Nicobar & Katchall Is] Clay, 1938. *Proc. Zool. Soc. Lond.* (B), 108 : 160.
burmeisteri (Taschenberg), 1882, See *Reticulipeurus*.
2. **connectens** Clay, 1938. *Proc. Zool. Soc. Lond.* (B) 108: 166. pl. 9 fig. 3.
Host: *Galloperdix s. spadicea* (Gmelin). [India: Nilgiris], *crossoptilum* Clay, 1938. See *Reticulipeurus*.
3. **dentatus** (Sugimoto), 1934, (*Lipeurus*). *Taiwan nochikusau*, 2 : 2 figs. 1-12.
Host: *Gallus gallus murghi* Robinson & Kloss, [India : Sikkim], Clay, 1938. *Proc. Zool. Soc. Lond.* (B), 108 : 181; Wild chicken, [Southeast Asia], Emerson, 1956, *J. Kans. Ent. Soc.*, 29 (2) : 78, pl. 11 figs. 1-3.
- (4). **denticlypeatus** (Sugimoto), 1935, (*Lipeurus*). *Zoological Record* (Insecta), 72 : 419. Quotation of name altered by Sugimoto in reprint (i.e.) *Nomen novum* for *dentatus* Sugimoto = no. 3.
himalayensis (Rudow), 1869. See *Reticulipeurus*.
ithaginis Clay, 1938. See *Reticulipeurus*.
longus (Piaget), 1880. See *Reticulipeurus*.
pucrasia Clay, 1938. See *Reticulipeurus*.
tetraophasis Clay, 1938. See *Reticulipeurus*.
5. **tropicoperdix** Clay, 1938. *Proc. Zool. Soc. Lond.*, 108: 164, figs. 29 a-c, pl. 9 fig. 2.
Host : *Tropicoperdix c. chloropus* (Blyth), [Burma], (Ripley 1961 not reported this species.

6. **unicolor** (Piaget), 1880, (*Lipeurus*). *Pediculines* : 354, pl. 28. fig. 6.

Host: (*Arborophiia rufogularis*) = **Arborophila rufogularis** (Blyth), [India : (Jorpokri) Jorpakuri (E. Himalaya)], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4): 221, A. t. **torqueola** (Valenciennes), [India: Sikkim]. A. t. **batemani** (Ogilvie-Grant). [Burma], A. t. **millardi** (Baker), (Central Himalaya), A. r. **rufogularis** (Blyth), [India : Sikkim], A. **rufogularis intermedia** (Blyth), [Burma], A. r. **tickelli** (Hume), [Burma: Tenasserim] & (*A. rufogularis atrogularis*) = **A. atrogularis** (Blyth), [India: Assam], Clay, 1938. *Proc. Zool. Soc. Lond.* (B) 108 : 163, fig. 29d.

77. **Pachyskelotes** Kéler, 1939

Pachyskelotes Kéler, 1939. *Nova Acta Leop.-Carol.* (n. F.), 8 : 55.

Type species : "*Goniodes orthopleurus* Nitzsch"

1. **neumannia** (Kellogg & Paine), 1914, (*Goniodes*). *Rec. Indian Mus.*, 10 (4) : 221, pl. 15 figs. 6, 7.

Host: **Argusianus argus** (Linne), [India : No history], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10(4) : 221, pl. 15, figs. 6 & 7, as *Goniodes neumannia* K. & P.

Painjunirmus Ansari, 1947

Painjunirmus Ansari, 1947, *Proc. nat. Inst. Sci. India*, 13 (6) : 285.

Type species : *P. pengya* Ansari.

A synonym of *Brueelia*.

Paradoxuroecus Conci, 1942

Paradoxuroecus Conci, 1942, *Boll. Soc. ent. Ital.*, 74 : 141 Type species: *P. juccii* Conci.

A synonym of *Felicola*.

78. **Paragoniocotes** Cummings, 1916

Paragoniocotes Cummings, 1916, *Ann. Mag. nat. Hist.*, (8) 17 : 101.

Type species (by subsequent designation, Harrison, 1916, *Parasitology* 9 : 23) : *P. gripocephalus* Cummings.

1. *sp.* (?) Ansari, 1941. *Proc. nat. Inst. Sci. India*, 13(6) : 236.

Hosts: (*Psittacula krameri manillensis*) = Probably **Psittacula krameri borealis** (Neumann) & **Halcyon s. smyrnensis** Linne (?), [Pakistan : Lyallpur].

79. Pectinopygus Mjöberg, 1910

Pectinopygus Mjöberg, 1910, *Ark. Zool.*, 6 (13) : 95. Type species : *Lipeurus pullatus* N.

1. **acutofasciatus** (Piaget), 1880, (*Nirmus*). *Pediculines* : 172, pl. 14 fig. 5.

Host: (*Anhinga melanogaster*) **Anhinga rufa melanogaster** Pennant, [India : Lucknow], Tandan, 1955. *Ann. Mag. nat. Hist.*, (12) 8:428, figs. 17-22; same host, [Burma: Shingbuiyang; India: Hyderabad, (A. P.), N. W India, Rajasthan], Clay, 1973. *Bull. Br. Mus. nat. Hist. (Ent.)*, 29(4) : 209, pl. 1 fig. 6; pl. 3 fig. 15; figs. 1, 9 & 4.

2. **excornis** (Blagoveshtchensky), 1940, (*Philichthyophaga*). *Mag. Parasit. Leningr.*, 8 : 67, 88, fig. 20.

Host: **Phalacrocorax niger** (Vieillot), [India: Lucknow], Tandan, 1952. *Ann. Mag. nat. Hist.*, (12) 8 : 298, figs. 1-7, as *Pectinopygus* (*P.*) *makundi* Tandan (spelled as *mukundi* in the legends to the figures and corrected subsequently, in Tandan, 1955. *Ann. Mag. nat. Hist.*, (12) 8 : 433); **Haliator pygmeus** (Pallas), [Afghanistan], Clay, 1973. *Bull. Br. Mus. nat. Hist. (Ent.)*, 29 (4): 208, fig. 9; **P. niger** (Vieillot), [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia*: 95, as *P. makundi* Tandan.

3. **makundi** Tandan, 1952. *Ann. Mag. nat. Hist.*, (12) 8 : 298, figs. 1-7 -no. 2.

4. **sulae** (Rudow), 1869, (*Lipeurus*). *Beitr. Kenntn. Malloph.*; 43.

Host: (*Sula fiber*) = **Sula leucogaster plotus** (Forster), [South Seas].

Pediculus Linne, 1758

Pediculus Linne, 1758, *Syst. Nat. ed.* 10 : 610. Type species : (by subsequent designation) *P. humanus* Linne.

Though the genus *Pediculus* now belongs to the sub order Siphunculata or Siphunculophthirina (=Anoplura auct. since the majority of the earlier mallophagan species have been described under this genus Hopkins & Clay (1952). *Check list of the Genera & Species of Mallophaga*) found it necessary to list it for convenience sake. The present

author also followed the same principle in listing out those species referred in this work.

anseris Linne, 1758. See *Anaticola*.
 bovis Linne, 1758. See *Damalinia*.
 bidentatus Scopoli, 1763. See *Campanulotes*.
 caponis Linne, 1758. See *Lipeurus*.
 circi Fourcroy, 1785. See *Laemobothrion*.
 columbae Linne, 1758. See *Columbicola*.
 corvi Linne, 1758. See *Philopterus*.
 crassicornis Scopoli, 1763. See *Anaticola*.
 dentatus Scopoli, 1763. See *Anaticola*.
 fringillae Scopoli, 1772. See *Philopterus*.
 fulicae Linne, 1758. See *Incidifrons*.
 gallinae Linne, 1758. See *Menopon*.
 hiaticulae O. Fabricius, 1780. See *Quadriceps*.
 hirundinis Linne, 1761. See *Dennyus*.
 maximus Scopoli, 1763. See *Laemobothrion*.
 moschatae Linne, 1758. See *Acidoproctus*.
 mustelae Schrank, 1803. See *Trichodectes*.
 ocellatus Scopoli, 1763. See *Philopterus*.
 ortyometrae Schrank, 1781. See *Rallicola*.
 ovis Linne, 1758. See *Damalinia*.
 pavonis Linne, 1758. See *Goniodes*.
 pilosum Scopoli, 1763. See *Pseudomenopon*.
 plataleae Linne, 1758. *Ardeicola*.
 querquedulae Linne, 1758. See *Trinoton*.
 rubeculae Schrank, 1776. See *Ricinus*.
 sternae Linne, 1758. See *Saemundssonina*.
 strigis Pontoppidan, 1763 (*nec* J. C. Fabricius, 1775, & O. Fabricius, 1780). See *Strigiphilus*.
 sturni Schrank, 1776. See *Sturnidoecus*.
 tantali J. C. Fabricius, 1798. See *Ardeicola*.
 tinnunculi Linne, 1758. See *Laemobothrion*.
 totani Schrank, 1803. See *Actornithophilus*.
 upupae Schrank, 1803. See *Upupicola*.
 vulturis J. C. Fabricius, 1775. See *Laemobothrion*.

80. *Penenirmus* Clay & Meinertzhagen, 1938.

Penenirmus Clay & Meinertzhagen, 1938, *Entomologist*, 71 : 73. Type species;
Pediculus albiventris Scopoli.

Picophilopterus Ansari, 1947, *Proc. nat. Inst. Sci. India*, 13(6) : 265.
 Type species : *Picophilopterus tuktola* Ansari.

1. **irritans** (Ansari), 1955, (*Sturnidoecus*). *Proc. 7th Pak. Sci. Conf. Sec. Biol.*: 60.

Host **Saxicola torquata indica** (Blyth), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 396, & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 79, figs. 105-109; also Zlotorzyczka, 1974. *Acta Parasitol. Polonica*, 12 (24) : 272.

ornatus (Nitzsch) 1866, *sensu* Ansari, 1947. See *Philopterus*.

raji Ansari, 1947. See *Sturnidoecus*.

subflavescens Geoffroy, *sensu* Ansari, 1947. See *Philopterus*.

2. **tuktola** (Ansari), 1947, (*Picophilopterus*). *Proc. nat. Inst. Sci. India*, 13(6) : 265, fig. 4.

Host: **Picus s. squamatus** Vigors, [India : Kulu].

81. *Perineus* Harrison, 1936

Perineus Harrison, 1936, In Thompson, *Ann. Mag. nat. Hist.*, (10) 18 : 41.

Type species : *Lipeurus nigrolimbatus* Giebel.

1. **hyalinus** (Neumann), 1911, (*Lipeurus*). *Brit. antarct. Exped.*, 1907—09, 2 : 21, pl. 3 fig. 1.

Host: **Diomedea exulans** (Linne), [South Indian Ocean].

Peripetasma Timmermann, 1954.

Peripetasma Timmermann, 1954, *Zool. Anz.*, 152 : 167. Type species : *Peripetasma altoasiaticum* Timmermann.

For the time, considered inseparable from *Quadriceps*.

Philichthyophaga Harrison, 1935

Philichthyophaga Harrison, 1935, in Thompson, *Ann. Mag. nat. Hist.*, (10) 16 : 150. Type species : *Lipeurus brevicornis* Denny.

A subgenus of *Pectinopygus*.

82. *Philopterus* Nitzsch, 1818.

Philopterus Nitzsch, 1818, *Germer's Mag. Ent.*, 3: 281, 288. Type species (by subsequent designation) Neumann, 1906. *Bull. Zool. Fr.*, 20 : 58) : *Philopterus (Docophorus) ocellatus* N.

Docophorus Eichler, 1944, *Stettin ent. Ztg.*, 105 : 80. Type species : *Docophorus communis* Nitzsch var. *passeris* Piaget.

Bitrabeculus Uchida, 1948, *Japan med. J.*, 1 : 318. Type species : *Docophorus singularis* Kellogg.

1. **alexanderkoenigi** (Eichler), 1953, (*Docophorus*). *Bonner Zool. Beitrage*, 4 : 337, fig. 2.

Host: **Galerida cristata chendoola** (Franklin), [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*, 59, as *Sturnidoecus chendoola* Ansari; also, Ansari, 1956. *Indian J. Ent.*, (1955), 17(3) : 396, & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 79, figs. 100-104; also of. Zlotorzycka, 1964. *Acta Parasitological Polonica*, 12 (37) : 406, figs. 2a, as *D. alexandrokoenigi* Eichler.

2. **atratus** Nitzsch, 1818, *Germar's Mag. Ent.*, 3 . 209. *Nomen novum* for Redi's "*Pollino del corvo*".

Hosts: **Corvus splendens** Vieillot [India : Calcutta, Guna (M. P.), & Trivandrum], (*C. insolens*) **C. splendens insolens** Hume, [Burma : Katha, Mergui], **C. macro-rhynchus** Wagler, [India : Gilgit; Upper Burma], **C. corax** Linne, [India : Ladakh], & (*C. umbrinus*)—**C. corax ruficollis** Lesson, [Pakistan : Baluchistan], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10(4) : 233, as *Docophorus atratus* Nitzsch; (*C. frugilegus tschusii*) **C. f. frugilegus** Linne, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 57; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 395, & Ansari, 1958. *Indian J. Ent.*, 20 (2) : 58.

baculus Nitzsch, 1818. See *Columbicola*.

3. **benedictae** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 59.

Host: **Megalaima virens marshallorum** Swinhoe, [Pakistan], (inadvertantly spelled also as *binedictae*, & *binedicate*) also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 396, & Ansari, 1958. *Indian J. Ent.*, 20 (1) : 62, fig. 84.

4. **bijae** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 57.

Host: **Lanius schach erythronotus** (Vigors), [Pakistan]; also in the same host, [Pakistan : Jatti (Tatta Dist.) Karachi, & Lyallpur], Ansari, 1956. *Pakistan J. Sci. Res. Res.*, 8 (1) : 16, figs. 25-29; & Ansari, 1956. *Indian J. Ent.*, (1955), 17(3) : 396, & Ansari, 1958. *Indian J. Ent.*, 20(1) : 60, figs. 64-65.

capistratus Neumann, 1912. See *Alcedoecus*,

- (5). *chendoola* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*: 59. = no. 1.
6. *corvi* (Linne), 1758, (*nec* Packard, 1870), (*Pediculus*). *Syst. Nat.* ed. 10 : 612.
 Hosts: (*Corvus corax laurencei*) **Corvus corax subeorax** Severtzov, (*C. frugilegus tschusii*) **C. f. frugilegus** Linne, **C. s. splendens** Vieillot, [Pakistan: Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13(6) : 272.
7. *crassipes* (Burmeister), 1838, (*Docophorus*). *Handb. Ent.*, 2 : 425.
 Hosts: (*Pica rustica*) **Pica p. bactriana** Bonaparte, [India: Punjab], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10(4) : 234, as *Docophorus crassipes* Nitzsch; **Nucifraga caryocatactes hemispila** Vigors, [India: Kulu; Pakistan: Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13(6) : 271.
8. *excisus* Nitzsch, 1818. *Germar's Mag. Ent.*, 3 : 390. *Nomen novum* for *Pediculus hirudinis* Schrank, 1803, *nec* Linne, 1761.
 Host. **Hirunda rustica** Linne, [India: Lucknow], Tandan, 1955. *Ann. Mag. nat. Hist.*, (12) 8 : 421, figs. 8-12, as *P. excisus microsomaticus* Tandan.
9. *extraneus* (Piaget), 1885 (*Docophorus*). *Pediculines Supplement* : 3, pl. 1 fig. 4.
 Host: **Corvus m. macrorhynchus** Wagler, [Bangladesh: Chittagong Dist.]; also Ansari, 1956, *Pakistan J. Sci. Res.*, 8 (1) : 17, & Ansari, 1956. *Indian J. Ent.*, (1955), 17(3) : 396.
falcicornis Nitzsch, 1818. See *Goniodes*.
10. *fringillae* (Scopoli), 1772 (*nec* Denny, 1842), (*Pediculus*). *Ann. V. Hist. nat.*, 125; (Clay & Hopkins, 1951. *Bull. Br. Mus. nat. Hist. (Ent.)*, 2 (1) : 32, figs. 43, & 44; pl. 3 fig.
 Hosts: (*Turdoides t. terricolor*)—**Turdoides striatus** (Dumont) (*Argya c. caudata*) = **T. c. caudatus** (Dumont), (*Molpastes cafer intermedius*) = **Pycnonotus cafer intermedius** Blyth, (*Molpastes l. leucogenys*) = **P. l. leucogenys** (Gray), (*Cyanosylvia s. suecica*) = **Erithacus svecicus** (Linne), **Saxicoloides fulicata cambaiensis** Latham, **Lanius excubitor lahtora** (Sykes) (probably material from this host may be identical as no. 12),

L. schach erythronotus Vigors (probably material from this host may be same as no. 4), (*Phylloscopus collybitus tristis*)=*Phylloscopus collybita tristis* Blyth, *Emberiza bruniceps* Brandt, (probably material from this host may be no. 27), *Motacilla alba dukhunensis* Sykes, & *Galerida cristata chendoola* (Franklin) probably specimens from this host may be identical with no. 1), [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13(6) : 268, as *Penenir-mus subflavescens* (Geoffroy); *Passer domesticus indicus* Jardine & Selby, [Pakistan], Ansari, 1955. *Proc. 7th Pap. Sci. Conf. Sec. Biol.*:58; also in Ansari, 1956. *Indian J. Ent.*' (1955), 17 (3) : 396, & Ansari, 1958. *Indian J. Ent.*, 20(1), .61; *Motacilla alba dukhunensis* Sykes, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 59; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3): 396, & Ansari, 1958. *Indian J. Ent.*, 20 (1) : 62, as *Philopterus passerinus* (Denny).

(11). *fulvus* (Burmeister), 1838, (*Docophorus*). *Handb. Ent.*, 2 425. -no. 13.

12. *fuscicollis* (Burmeister), 1838, (*Docophorus*). *Handb. Ent.*, 2 . 425.

Host: *Lanius excubitor lahtora* (Sykes), [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 57; also, Ansari, 1956. *Indian J. Ent.*, (1955), 17(3) : 395, & Ansari, 1958. *Indian J. Ent.*, 20 (1) : 59.

13. *garruli* Boisduval & Lacordaire, 1835. *Faune ent. Environs, Paris* : 120.

Hosts: (*Urocissa flavirostris*) *Kitta f. flavirostris* (Blyth)? [India : Ghoom (?), E. Himalaya, Kashmir; Pakistan: Murree], (*Dendrocitta rufa*) *Dendrocitta vagabunda parvula* Whitlser & Kinnear, [India : Cachar, Assam, & Calcutta], (*D. himalayensis*) *D. formosae himalayensis* Blyth, (India: [Darjilling) Darjeeling], *Garrulus lanceolatus* Vigors, [Pakistan : Murree], (*Nucifraga multipunctata*) *N. caryocatactes multipunctata* Gould, [India : Gilgit], & (*Pica rustica*) *Pica pica bactriana* Bonaparte, [India : Ladakh], Kellogg & Paine, 1914. *Rec. Indian Mus.* 10(4): 234, as *Docophorus fulvus* Nitzsch; (*Urocissa erythrorhyncha occipitalis*)

Kitta erythrorhyncha occipitalis Blyth, & (*Dendrocitta rufa*) *Dendrocitta vagabunda* (Latham), [Pakistan : Lyallpur], (material from the last named species may be same as no. 24), Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13(6) : 272.

14. **guttatas** (Denny), 1842, (*Docophorus*). *Mon. Anopl. Brit.*; 41, 67, pl. 3 fig. 8.
Host: **Corvus monedula** Linne, [India : Gilgit], & **C. macro-rhynchus** Vigors, [Nepal], Kellogg & Paine, 1914, *Rec. Indian Mus.*, 10(4) : 234, as *Doc guttatus* Nitzsch. *leontodon* Nitzsch, 1818. See *Goniocotes*.
15. **kalkalichi** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 57.
Host: (*Dicrurus macrocercus peninsularis*)=**Dicrurus adsimilis** (Bechstein) (probably **albirictus**(Latham) [Pakistan]; also on the same host, [Pakistan : Jatti (Tatta Dist.), Layallpur], Ansari, 1956. *Pakistan J. Sci. Res.*, 8 (1) : 17, figs. 30-32; Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 396, & Ansari, 1958. *Indian J. Ent.* 20 (1) : 60.
16. **lahorensis** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 57.
Host: **Corvus s. splendens** Vieillot, [Pakistan]; also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 395, & Ansari, 1958. *Indian J. Ent.*, 20 (1) : 58, figs. 59-63.
leontodon Nitzsch, 1818. See *Sturnidoecus*.
luridus Nitzsch, 1818. See *Fulicoffula*.
- (17). **microsomaticus** Tandan, 1955. *Ann. Mag. nat. Hist.*, (12) 8 : 421, figs. 12.=no. 8.
18. **ocellatus** (Scopoli), 1763, (*Pediculus*). *Ent. Carniolica* : 382.
Host: **Corvus splendens** Vieillot, [Nepal], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10(4) : 234, as *Doc. rotundatus* Piaget; on the same host, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 271, (possibly this material may be same as no. 16).
19. **ornatus** (Nitzsch), 1866, (*Docophorus*). *Z. ges. Natwiss.*, 27 : 110.
Host : **Oriolus o. kundoo** Sykes, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13(6) : 269; also, Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 396, & Ansari, 1958. *Indian J. Ent.*, 20(1) : 62.

- (20). *passerinus* (Denny), 1842, (*Docophorus*). *Mon. Anopl. Brit.*, 47, 104, pl. 5 fig. 12.=no. 10.
punctifer Gervais, 1844. See *Degeeriella*.
- (21). *rotundatus* (Piaget), 1880, (*Docophorus* p. 47 nec p. 21 & p. 60).
 =no. 18.
22. *sclerotifrons* Tandan, 1955. *Ann. Mag. nat. Hist.*, (12) 8 : 417, figs. 1-7.
 Host: (*Cinnyris a. asiatica*) = *Nectarina a. asiatica* (Latham), [India : Lucknow].
squalidus Nitzsch, 1776. See *Anaticola*.
sturni (Schrank), 1776, sensu Ansari, 1947. See *Sturnidoecus subflavescens* Geoffroy, sensu Ansari, 1947. Descriptive phrase' & not a name. cf. Hopkins & Clay, 1952. *Check List of the Genera & species of Mallophaga*. =no. 10.
tadornae Gervais, 1844. See *Holomenopon*.
23. *thryptocephalus* (Kellogg & Paine), 1914, (*Docophorus*). *Rec. Indian Mus.*, 10(4) : 232, pl. 14, fig. 1.
 Host: (*Graculus graculus*) = *Pyrrhocorax graculus* (Linne), [India : Gilgit, Chitral].
tropica Sen, 1942. See *Craspedorrhynchus*.
tuktola Ansari, 1947. See *Penenirmus*.
24. *vagabunda* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 52.
 Host: *Dendrocitta vagabunda pallida* (Blyth), [Pakistan]! also in Ansari, 1956. *Pakistan J. Sci. Res.*, 8(1) : 18; figs. 33-38, & Ansari, 1956. *Indian J. Ent.*, (1955), 17(3) : 396.
- (25). *vittuti* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Biol.* : 52. also Ansari, 1956. *Pakistan J. Sci. Res.*, 8(1) : 19, fig. 39. =no. 26.
26. *vittati* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 52.
 Host: *Lanius vittatus* Valche, [Pakistan : Karachi], also in Ansari, 1956. *Pakistan J. Sci. Res.*, 8(1) : 19, fig. 39; & Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) 396. (Misspelt as *vittuti* in the first two works).
27. *zohrae* Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 58.
 Host: (*Emberiza bruniceps*) = *Emberiza bruniceps* Brandt, [Pakistan]; Also Ansari, 1956. *Indian J. Ent.*, (1955),

17 (3) : 396, & Ansari, 1958. *Indian J. Ent.*, 20(1): 61. figs. 76-83.

Physostomum Nitzsch, 1818

Physostomum Nitzsch, 1818, *Germer's Mag. Ent.*, 3 : 302. Type species (by subsequent designation) Harrison, 1916 : 24) : "*Ricinus nitidissimum* Nitzsch = *fringillae* De Geer".

An absolute synonym of *Ricinus* De Geer.

Piagetia Picaglia, 1884

Piagetia Picaglia, 1884 (*nec* Ritsema, 1874, *Atti Soc. Nat. Mat. Modena*, (3) 2 : 104. Type species (by subsequent designation, Harrison, 1916 : 24) : *P. ragazzii* Picaglia.

A synonym of *Piagetiella* Neumann.

83. *Piagetiella* Neumann, 1906

Tetrophalmus Grosse, 1855 (*nec* Hope, 1845), *Z. Wiss. Zool.*, 42 : Type species (by monotypy) : *T. chilensis* Grosse.

Piagetia Picaglia, 1884 (*nec* Ritsema, 1874), *Atti. Soc. Nat. Mat. Modena*, (3) 2 : 104. Type species (by subsequent designation, Harrison, 1916 : 24) : *P. ragazzii* Picaglia.

Piagetiella Neumann, 1906. *Bull. Soc. Zool. Fr.*, 20 : 60. *Nomen novum* for *Piagetia* Picaglia.

1. **titan** (Piaget), 1880, (*Menopon*). *Pediculines* : 503, pl. 40 fig. 7.

Host: **Pelecanus onocrotalus** Linne, [India]. (Slide in B. M. (Natural History); also, [India : (Rajputana) Rajasthan], Price, 1970. *Canad. Ent.*, 102 (4) : 396, figs. 12, 19, 23, 31, & 40.

84. *Picicola* Clay & Meinertzhagen, 1938

Picicola Clay & Meinertzhagen, 1938, *Entomologist*, 71 : 74, figs. 1 & 2.
Type species : *Picicola praeposterus* Clay & Meinertzhagen.

1. **mississippiensis** (McGregor), 1917, (*Lipeurus*). *Psyche Camb., Mass.*, 24 : 107, pl. 1 figs. 1, & 5.

Hosts: (*Dryobates sindeanus*) **Dendrocopos assimilis** (Blyth), [Pakistan : Peshawar], Clay & Meinertzhagen, 1938. *Entomologist*, 71 : 74, figs. 1 & 2, as *P. praeposterus* C. & M.; **D. darjellensis** (Blyth), [India : Sikkim], **D. assimilis** (Blyth), [Pakistan], & **D. m. macei** (Vieillot), [India], Dalgleish, 1969. *Proc. R. ent. Soc. Lond.*, (B), 38 (7-8) : 112, fig. 15.

- (2). *praeposterus* Clay & Meinertzhagen, 1938. *Entomologist*, 71 : 74, figs. 1 & 2 = no. 1.

Picophilopterus Ansari, 1947

Picophilopterus Ansari, 1947, *Proc. nat. Inst. Sci. India*, 13(6) : 165.

Type Species : *Picophilopterus tuktola* Ansari.

Inseparable from *Penenirmus*.

Picusphilus Ansari, 1951

Picusphilus Ansari, 1951, *Proc. nat. Inst. Sci. India*, 17 (2) : 163, Type species : "*Cuculiphilus (Picusphilus) tirkhan* Ansari".

Erected as a subgenus of *Cuculiphilus*. The subgeneric type species is now included under the genus *Colpocephalum*.

Proneptis Timmermann, 1953

Proneptis Timmermann, 1953, *Bombus*, 78/79 : 331. Type species : *Proneptis semifissus* (Nitzsch).

For the time being retained under the genus *Quadriceps*.

Pseudocolpocephalum Qadri, 1936

Pseudocolpocephalum Qadri, 1936, *Z. Parasitenk.*, 8 : 640. Type species : *P. uchidi* Qadri.

Inseparable from *Colpocephalum*.

85. Pseudomenopon Mjöberg, 1910

Pseudomenopon Mjöberg, 1910, *Ark. Zool.*, 6(13) : 50. Type species : *Menopon tridens* 'N'.

1. **concretum** (Piaget), 1880, (*Menopon*). *Pediculines* : 481, pl. 38, fig. 9.
Host : **Porphyrio [Porphyrio] poliocephalus** (Latham), [India: (Rajputana) Rajasthan], Price, 1974. *Ann. ent. Soc. Amer.*, 67(1) : 78, fig. 32.
2. **dolium** (Rudow), 1869, (*Colpocephalum*). *Z. ges. NatWiss.*, 34 : 393.
Host : (*Colymbus cristatus*) = **Podiceps c. cristatus** Linne, & (*Poliocephalus ruficollis*) = **Podiceps ruficollis** (Pallas), [India], Price, 1974. *Ann. ent. Soc. Amer.*, 67(1) : 73, fig. 26.
3. **jacinoti** Tendeiro, 1965. *Revta Estud. Gerais Univ. Mocambique Laurenco Marques*, (4) 2(8) : 23.

Host : *Hydrophasianus chirurgus* (Scopoli), [Sri Lanka (Ceylon)]. (Price, 1974. *Ann. ent. Soc. Amer.*, 67(1) : 73-74, however, considered this species conspecific with no. 6).

4. **lanceolatum** Tendeiro, 1965. *Revta Estud. Gerais Univ. Mocambique, Laurengo Marques*, (4) 2 (8) : 41.

Host: *Metopidius indicus* (Latham), [India],; also Price 1974. *Ann. ent. Soc. Amer.*, 67 (1) : 82, figs. 8, 19, & 35.

5. **phoenicuri** Price, 1974. *Ann. ent. Soc. Amer.*, 67(1) : 79, fig. 28.

Host : *Amaurornis phoenicurus* (Pennant), [India].

6. **pilosum** (Scopoli), 1763, (*Pediculus*). *Ent. Carniolica*: 384.

Hosts : *Fulica atra* Linne, & *Gallinula chloropus* (Linne)' [India], Emerson, 1973. In: *Some ectoparasites of the birds of Asia* : 118. *Gallinula chloropus* (Linne), [India], *Hydrophasianus chirurgus* (Scopoli), [India : (Rajputana), Rajasthan ; Sri Lanka (Ceylon)], and *Amaurornis phoenicurus* (Pennant), [India : (Rajputana) Rajasthan] Price, 1974. *Ann. ent. Soc. Amer.*, 67(1) : 73, figs., 1-6, 11, 18, 21-22;

7. **poliocephalus** Qadri, 1936. *Z. Parasitenk.*, 8 : 638, fig. 1.

Hosts : *Porphyrio* [Porphyrio] *poliocephalus* (Latham), and *Capella* sp. (?), [India]; (Price, 1974. *Ann. ent. Soc. Amer.*, 67(1) : 78, considered however, this species conspecific with no. 1).

86. *Psittaconirmus* Harrison, 1915

Psittaconirmus, Harrison, 1915, *Parasitology*, 7 : 402. Type species : (by monotypy) : *P. australis* Harrison.

chandabani Ansari, 1947. See *Neopsittaconirmus*.

lybartota Ansari, 1947. See *Neopsittaconirmus*.

87. *Quadriceps* Clay & Meinertzhagen, 1939

Quadriceps Clay & Meinertzhagen, 1939, *Ann. Mag. nat. Hist.* (11) 4 : 453. Type species : *Degeeriella vanelli* (Denny).

Koeniginirmus Eichler, 1940, *Zool. Anz.*, 130 : 101. Type species : "*Koeniginirmus punctatus* (Nitzsch in Burmeister, 1838, Jedoch sensu A. Koenig)".

Oedicnemiceps Eichler, 1943, *Zool. Anz.*, 141 : 59. Type species : *Docophorus annulatus* Nitzsch in Denny. *Sensu* Piaget, 1880, *Pediculines* : 364; pl. LIV, f. 5."

- Glareolites* Eichler, 1944, *Stettin. ent. Ztg.*, 105 : 80. Type species : *Nirmus ellipticus* Nitzsch.
- Mjoberginirmus* Eichler, 1944, *Stettin. ent. Ztg.*, 105 : 85.
Type species : *Nirmus obliquus* Mjöberg.
- Nirmoides* Eichler, 1944, *Stettin. ent. Ztg.*, 105 : 81.
Type species : *Docophorus antennatus* Piaget.
- Szidatiella* Eichler, 1944, *Stettin. ent. Ztg.*, 105 : 81. Type species : *Docophorus elongatus* Piaget.
- Haematophagus* Timmermann, 1950, *Fauna Islandica*, 2 : 1.
Type species : *Quadriceps haematopi* (Denny).
- Rhombiceps* Eichler, 1952, *Zool. Anz.*, 149 : 77. Type species : *Nirmus recurvirostrae* (Linne).
- Cirro-phthirius* Timmermann, 1953, *Bombus*, 78/79. 330 : Type species : *Cirro-phthirius recurvirostrae* (Linne). Absolute synonyms of *Rhombiceps* Eichler.
- Cistellatrix* Timmermann, 1953, *Bombus*, 78/79 : 331. Type species : *Cistellatrix decipiens* (Denny).
- Proneptis* Timmermann, 1953, *Bombus*, 78/79 : 331. Type species : *Proneptis semifissa* (Nitzsch).
- Peripetasma* Timmermann, 1954. *Zool. Anz.*, 152 : 167. Type species : *Peripetasma altoasiaticum* Timmermann.
- Timmarimanniceps* Eichler & Zlotorzycska, 1964, *Dtsch. ent. Zeitschr.*, (n. F.) (4-5) : 319. Type species : *Nirmus phaloropi* Denny.
- Carrikericeps* Eichler & Zlotorzycska, 1964. *Dtsch. ent. Zeitschr.*, (n. F.) 11 (4-5) : 320. Type species : *Quadriceps punensis* Carriker.
- Chadriceps* Zlotorzycska, 1967, *Pol. Pismo Ent.*, 37 (4) : 728. Type species : *Pediculus hiaticulae* O. Fabricius.
- Anousceps* Zlotorzycska, 1967, *Pol. Pismo Ent.*, 730. Type species : *Nirmus separatus* Kollogg & Kuwana.
- Himantophagus* Zlotorzycska, 1967, *Pol. Pismo Ent.*, 733. Type species : *Nirmus hemichrous* Nitzsch.

Since the publication of Hopkins & Clay's checklist (1952) and additions (1952 & 1953) this genus has been further revised. For the present, all the new genera have been placed under *Quadriceps*, some of which may be accepted as valid genera and some can be considered as subgenera.

1. **altoasiaticum** (Timmermann), 1954, (*Peripetasma*). *Zool. Anz.*, 152 : 168, figs. 6 & 7.
Host : *Ibidorhyncha struthersi* Vigors, [India : Himalaya; China : Tibet], cf. Zlotorzycska, 1967. *Pol. Pismo Ent.*, 37 (4) : 732, as *Peripetasma altoasiaticum* Timmermann.
2. **anagrapsus** (Nitzsch), 1866, (*Nirmus*). In Giebel's *Z. ges. Nat-Wiss.*, 28 : 376.

Host : (*Sterna aurantia* Gray. Error). Probably *Chlildonia hybrida indica* (Stephens), or *C.leucoptera* (Temminck). (vide Hopkins & Clay, 1953 *Ann. Mag. nat. Hist.*), (12) 6 : 444), [India Lucknow], Tandan, 1951. *Anns Mag. nat. Hist.*, (12) 4 : 807, figs. 5-8 as *Q. thapari*, Tandan. Cf. Zlotorzycza, 1967, *Pol. Pismo Ent.*, 37 (4) : 761 as *Koeniginirmus (Laminonirmus) nyctemerus* (Burmeister).

3. **annulatus** (Denny), 1842, (*Nirmus*). *Mon. Anopl. Brit.*; 51, 132, pl. 8 fig. 5.
Host: **Burhinus oedicnemus** (Linne), [India], (Slide in B. M. Natural History) cf. Zlotorzycza, 1967. *Pol. Pismo Ent.* 37 (4): 740, taf. 8 photos 3& 4 and taf. 9 photo 1.
4. **bicuspis** (Nitzsch), 1874, (*Nirmus*). In Giebel's *Insecta epizoa* : 155, pl. 5 figs. 11 & 12.
Host: **Charadrius dubius** Scopoli, [India], (Slide in B. M. Natural History); cf. Zlotorzycza, 1967. *Pol. Pismo Ent.*, 37 (4): 711, taf. 2 photo 3 & taf. 5 photo 3.
5. **brunneus** (Nitzsch), 1866, (*Nirmus*). In Giebel's *Z. ges. NatWiss.*, 28 : 373.
Host: **Dromas ardeola** Paykull, [India], Zlotorzycza, 1967. *Pol. Pismo Ent.*, 37 (4) : 739.
- (6). **clypeatus** (Kellogg & Paine), 1914, (*Nirmus*). *Rec. Indian Mus.*, 10 (4) : 237, pl. 14 fig. 3. = no. 27.
7. **conformis** (Blagoveshtchensky), 1948, (*Degeeriella*). *Mag. Parasit, Leningr.*, 8 : 56, 84, fig. 14.
Host: **Tringa totanus totanus** (Linne), [India; Nepal]. (Slide in B. M. Natural History) cf. Zlotorzycza, 1967. *Pol. Pismo Ent.*, 37 (4) : 713, taf. 4 photo 4.
- (8). **cursorius** (Mjöberg), 1910, (*Nirmus*). *Ark. Zool.*, 6 (13) : 141, pl. 1 fig. 4 = no. 19.
9. **dasi** Tandan, 1952. *Ann. Mag. nat. Hist.*, (12) 5 : 464.
Host: (*Lobivanellus i. indicus*) = **Vanellus i. indicus** (Boddaert), [India]; on the same host, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 50; also in Ansari, 1956. *Indian J. Ent.*, 17 (3) : 398 & Ansari,

1959. *Indian J. Ent.*, (1958), 20 (2) : 98; cf. Zlotorzycza, 1967. *Pol. Pismo Ent.*, 37 (4) : 713.
10. **ellipticus** (Nitzsch) 1866, (*Nirmus*). In Giebel, *Z. ges. NatWiss*, 28 : 371.
 Hosts: **Glareola pratinicola** (Linne), and **G. lactea** Temminck, [India], Emerson, 1973. In : *Some ectoparasities of the birds of Asia* : 98.
11. **furvus** (Burmeister), 1838, (*Nirmus*.) *Handb. Ent.*, 2 : 427.
 Hosts: **Tringa ochropus** Linne, & **Himantopus h. himantopus** Linne (probably no. 13), [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 201; cf. Zlotorzycza, 1967. *Pol. Pismo Ent.*, 37 (4) : 715, taf. 1 photo 2, taf. 4 photo 1 & taf. photo 2; **Tringa erythropus** (Pallas), [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 98, also on *T. erythropus* (Pallas) [India : (Rajaputana) Rajasthan]. (Slide in B. M. Nat. Hist.)
12. **grallarius** Timmermann, 1954. *Z. Parasitenk.*, 16 : 201.
 Host: (*Chettusia leucura*) **Vanellus leucurus** (Lichtenstein), [India]; cf. Zlotorzycza, 1967. *Pol. Pismo Ent.*, 37(4) : 716, as *Q. hoplopteri grallarius* Timmermann.
13. **hemichrous** (Nitzsch), 1866, (*Nirmus*). In Giebel's *Z. ges. NatWiss.*, 28 : 372.
 Host: **Himantopus h. himantopus** (Linne), [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 50; also in Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 399 & Ansari, 1959. *Indian J. Ent.* (1958), 20 (2) : 98. cf. Zlotorzycza, 1967. *Pol. Pismo Ent.*, 37 (4) : 734, as *Himantophagus hemichrous* (Nitzsch).
14. **hiaticulae** (O. fabricius), 1780, (*nec.* Denny. 1842), (*Pediculus*). *Fauna groenlandica* : 220.
 Host: (*Lobivanellus i. indicus*) = **Vanellus i. indicus** (Boddaert), [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*. 13 (6) : 278; of. Zlotorzycza, 1967. *Pol. Pismo Ent.*, 37 (4) : 729, as *Chadriceps hiaticulae* (O. Fabricius).
- holophaeus** (Burmeister), 1838. *Sensu* Ansari, 1947. See *Lunaceps*.

15. **hoplopteri** (Mjöberg), 1910, (*Nirmus*). *Ark. Zool.*, 6 (13) : 137, fig. 74, pl. 5 fig. 6.
 Host: (*Hoplopterus duvaucelii*) = *Vanellus spinosus duvaucelii* (Lesson), [Nepal], (Slide in B. M. Natural History). cf. Zlotorzycska, 1967. *Pol. Pismo Ent.*, 37 (4) : 716.
16. **insignis** Timmermann, 1952. *Zool. Anz.*, 148 : 82.
 Host: *Sterna aurantia* J. E. Gray, [India: (Deccan) Andhra Pradesh] also on the same host, [Burma : India], cf. Zlotorzycska, 1967. *Pol. Pismo Ent.*, 37 (4) : 759., as *Koeniginirmus (Laminonirmus) insignis* (Timmermann).
17. **kekra** Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 276.
 Host: *Gelochelidon n. nilotica* (Gmelin), [Pakistan: Lyallpur]; cf. Zlotorzycska, 1967. *Pol. Pismo Ent.*, 37 (4) : 767 as *Koeniginirmus kekra* (Ansari).
18. **lahorensis** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*: 50.
 Host: *Philomachus pugnax* Linne, [Pakistan: Lahore]; also Ansari, 1956. *Indian J. Ent.*, (1958), 17 (3): 399 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2): 99 figs. 221-226; cf. Zlotorzycska, 1967. *Pol. Pismo Ent.*, 37 (4) : 726.
19. **lotus** (Nitzsch), 1866, (*Nirmus*). *Z. ges. NatWiss.*, 28 : 371.
 Host: *Cursorius cursor* (Latham), [Pakistan: Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6): 278, as *Q. cursorius* Nitzsch; also on the same host, [Pakistan: Lahore], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*: 50; also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3): 398 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) 98., cf. Zlotorzycska, 1967. *Pol. Pismo Ent.*, 37 (4): 742, as *Glareolites lotus* (Nitzsch).
- lyallpurensis** Ansari, 1951. Emerson, 1973. In: *Some ectoparasites of the birds of Asia*: 99. Inadvertant entry. Relates to *Actornithophilus*.
20. **ochropi** (Denny), 1842, (*Nirmus*). *Mon. Anopl. Brit.*, 53, 134, pl. 11 fig. 22.

- Host: **Tringa ochropus** Linne, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*: 50; also in Ansari, 1958. *Indian J. Ent.* (1958), 20 (2) : 98; cf. Zlotorzycza 1967. *Pol. Pismo Ent.*, 37 (4): 719. (One slide from Aligarh Muslim University, Qadri's colls., and labelled as *Degeeriella ochropi* is available in Z. S. I.
21. **punctatus** (Burmeister), 1839, (*Nirmus*). *Handb. Ent.*, 2 : 428.
Host: (*Dendrocitta rufa*)= **Dendrocitta vagabunda parvula** Whistler & Kinnear, [India: Calcutta], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4): 236, as *Nirmus punctatus*; cf. Zlotorzycza, 1967. *Pol. Pismo Ent.* 37 (4) : 751, taf. 11 photo 11 & taf. 13 photo 3, as *Keoniginirmus (Koeniginirmus) punctatus* (Burmeister)
22. **quadrisetaceus** (Piaget), 1880, (*Nirmus*). *Pediculines* : 668, pl. fig. 5.
Host: **Rostratula benghalensis** (Linne), (Slide in B. M. Natural History) [Asia], cf Zlotorzycza, 1967. *Pol. Pismo Ent.*, 37 (4).
23. **ravus** (Kellogg), 1899, (*Nirmus*) *Occ. Pap. Calif. Acad. Sci.*, 6 : 14, pl. 2 fig. 1.
Host: (*Actitis hypoleuca* (?)) **Tringa hypoleucos** Linne, [Nepal], (Slide in B. M. Natural History); cf. Zlotorzycza 1967. *Pol. Pismo Ent.*, 37 (4) : 721.
24. **semifissus** (Nitzsch), 1866, (*Nirmus*). In Giebel's *Z. ges. NatWiss.* 28 : 372.
Host: **Himantopus h. himantopus** (Linne), [Pakistan], Ansari 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*: 50; also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) 399 & Ansari, 1959. *Indian J. Ent.* (1958), 20 (2) : 98. cf. Timmermann, 1953. *Bombus*, 78/79:331 & Zlotorzycza, 1967. *Pol. Pismo Ent.*, 37 (4): 732, as *Proneptis semifissa* (Nitzsch).
25. **semipalmatus** Timmermann, 1955. *Ann. Mag. nat. Hist.*, (12) 8; 525, fig. 11.
Host: **Limnodromus semipalmatus** (Blyth), [India]; [South Asia], cf. Zlotorzycza, 1967. *Pol. Pismo Ent.*, 37(4):723.

26. **signatus** (Piaget), 1880, (*Nirmus*). *Pedicullines*: 186, pl. 15 fig. 8.
Host: *Himantopus h. himantopus* Linne, [India ? : Loc, not cited], Ansari, 1947. *Proc. nat. Inst. Sci. India*. 13 (6) : 273. Probably error.
27. **similis** (Giebel), 1866, (*Nirmus*). *Z. ges. NatWiss.*, 28: 374.
Host: (*Corvus corone*. Error). Probably *Tringa nebularia* (Gunnerus), [Kashgar, E. Turkestan], Kellogg & Paine, 1914. *Rec. India Mus.*, 10 (4) : 237, pl. 14 fig. 3 as *N. clypeatus* K & P., cf. Hopkins & Timmermann, 1954 *Trans. R. ent. Soc. Lond.*, 105 (8) : 139, fig. 6; pl. 1 figs. 5-6. *Tringa nebularia* (Gunnerus), [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 99. cf. Zlotorzycska, 1967. *Pol. Pismo Ent.*, 37 (4) : 723, taf. 4 photo 3.
28. **sinensis** Timmermann, 1954. *Z. Parasitenk.*, 16 : 203, fig. 10.
Host: (*Microsarcops cinereus*) = *Vanellus cinereus* (Blyth) [East Asia; Nepal], Zlotorzycska, 1967. *Pol. Pismo Ent.*, 37 (4) : 724.
- (29). **thapari** Tandan, 1951. *Ann. Mag. nat. Hist.*, (12) 4: 807, figs. 5-8. =no. 2.

88. *Rallicola* Johnston & Harrison, 1911

Oncophorus Piaget, 1880 (*nec* Rudow, 1970), *Pedicullines* : 213. Type species : (by subsequent designation) : *O. bisetosus* Piaget.

Rallicola Johnston & Harrison, 1911, *Proc. Linn. Soc. N.S. W.*, 36 : 324.
 Type species : "*O. attenuatus* N."

- (1). **clayae** Tandan, 1951. *Ann. Mag. nat. Hist.*, (12) 4 : 810, figs. 9-13. =no. 6.
2. **fulicae** (Denny), 1842, (*Nirmus*). *Mon. Anopl. Brit.*; 50, 125, pl. 9 fig. 2.
Host: *Fulica a. atra* Linne, [India], (Slide in B. M. (Nat. History)); also, Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 100.
3. **indicus** Emerson, & Elbel, 1961. *Ent. News.*, 72(5) : 130, figs. 1 & 2.
Host: *Metopidius indicus* (Latham), [India : Lucknow & Moirang, Manipur]; also, [India], Emerson, 1973. In : *Some ectoparasites of the birds of Asia* : 100.

4. **lugens** (Giebel), 1874, (*Nirmus*). *Insecta epizoa* : 170.
 Host: (*Porphyrio poliocephalus poliocephalus*) **Porphyrio [Porphyrio] poliocephalus** (Latham), [India], Emerson, 1955. *Ann. ent. Soc. Amer.*, 48(4) : 296, figs. 24.
5. **mystax** (Giebel), 1874 (*Nirmus*), *Insecta epizoa* : 301. *Nomen novum* for *Nirmus intermedius* Giebel, 1874, *nee* Nitzsch, 1866.
 Host: **Porzana fuscus bakeri** Hartert, [India : Nalbani, Sah Lakes, West Bengal], Lakshminarayana, 1972, *Indian J. Anim. Sci.*, 42 (10) : 861.
6. **ortyometrae** (Schrank), 1781, (*Pediculus*). *Enum. Ins., Austr., Indig.*: 503.
 Host: **Amaurornis phoenicurus chinensis** (Boddaert), [India : Lucknow], Tandan, 1951. *Ann. Mag. nat. Hist.*, (12) 4: 810, figs. 9-13, as *R. clayae* Tandan; also, [India] Emerson, 1955. *Ann. ent. Soc. Amer.*, 48 (4) : 290, figs. 10, as *R. ortyometrae clayae* Tandan.
7. **sulcatus** (Piaget), 1880, (*Oncophorus*). *Pediculines*: 218, pl. 18 fig. 5.
 Host: **Hydrophasianus chirurgus** (Scopoli), [India; Sri Lanka (Ceylon)]. (Slide in B. M. (Natural History)).
8. **thompsoni** Tendeiro, 1965. *Revta Estud. Gerais Univ., Mocambique, Laurenco Marques*, (4) 2(6) : 127.
 Host: **Porphyrio porphyrio** (Linne), [India], Emerson, 1973. In: *Some ectoparasites of the birds of Asia* : 100.
9. **unguiculatus** (Piaget), 1880, (*Oncophorus*). *Pediculines* : 67, pl. 55 fig. 8.
 Host: **Centropus sinensis** (Stephens), [India; Nepal; Sri Lanka (Ceylon)], (Slide in B. M. (Natural History)).

89. *Reticulipeurus* Kéler, 1958

Reticulipeurus Kéler, 1958, *Deutsche Ent. Zeitschr.*, n. F., 5 : 332. Type species : *R. tetraonis* (Grube).

Megalipeurus (s. g.), Kéler, 1958, *Deutsche Ent. Zeitschr.*, n. F., 5 : 327.
 Type species : *Lipeurus unicolor* Piaget.

1. **burmeisteri** (Taschenberg), 1882, (*Lipeurus*). *Nova Acta Leop.-Carol.*, n. F., 44 : 170, pl. 6 fig. 4.

Hosts: *Lophophorus impejanus* (Latham), [India : Sikkim; Nepal], *L. lhuysii* St. Hilarie & Verreaux [Burma : Upper Minho], *L. scalteri* Jerdon [China : Yunnan], *Tragopan b. blythii* (Jerdon), [India : Assam], *T. t. temminckii* (J. E. Gray), [China : Szechwan], *T. caboti* (Gould), [China . Fokien], Clay, 1938. *Proc. Zool. Soc. Lond.*, (B) 108 : 169, figs. 31, 32a, & 33a; as *Oxylipeurus himalayensis burmiesteri* (Taschenberg); also on the same hosts, [Burma; India; Nepal], Overgaard, 1943. *Ent. Medd.*, 23 : 9.

2. **crossoptilon** (Clay), 1938, (*Oxylipeurus*). *Proc. Zool. Soc. Lond.*, (B), 108: 173, pl. 10 fig. 1.

Host: *Crossoptilon c. crossoptilon* (Hodgson), [China: Szechwan], as *Oxylipeurus baileyi crossoptilon*.

3. **himalayensis** (Rudow), 1869, (*Lipeurus*). *Beitr. Zurkenntniss der Mallophagen* : 33.

Host: *Tragopan melanocephalus* (J. E. Gray), [India : Kashmir], Clay, 1938. *Proc. Zool. Soc. Lond.*, (B), 108: 106, fig. 32b, as *Oxylipeurus himalayensis* (Rudow).

4. **ithaginis** Clay, 1938. *Proc. Zool. Soc. Lond.*, (B), 108: 173, pl. 13 fig. 1.

Host : *Ithaginis l. cruentus* (Hardwicke) [India : Sikkim] as *Oxyliperus baileyi ithaginis* Clay. The host locality is not cited while describing this species.

5. **longus** (Piaget), 1880 (*Lipeurus*). *Pediculines*: 370, pl. 29 fig. 8.

Host: *Tragopan satyra* (Linne), [India : Calcutta], Kellogg & Nakayama, 1915. *Rec. Indian Mus.*, 11 (1) : 139, as *L. longus* Piaget; on the same host, [India ; Sikkim] Clay, 1938. *Proc. Zool. Soc. Lond.*, (B), 108 : 171, figs. 33b, & 35a, as *Oxylipeurus longus* (Piaget); also [India : Sikkim], Overgaard, 1943. *Ent. Medd.*, 23 : 9.

6. **megalops** (Piaget), 1880, (*Lipeurus*). *Pediculines*: 675, pl. 56, fig. 8.

Host: *Rollulus roulroul* (Scopoli), [India: Sikkim]. (A slide from Burma is available in B. M. (Natural History).

7. **mesopelios** (Nitzsch), 1866, (*Lipeurus*). In Giebel's *Z. ges. NatWiss.*, 28 : 379.

- Host: **Chrysolophus amherstiae** (Leadbeater), [Tibet], Clay, 1938. *Proc. Zool. Soc. Lond.*, (B), 108:174, figs. 35b, & d; pl. 11 fig. 1.
8. **nitzschi** Kéler, 1958. *Deutsche Ent. Zeitschr.*, n. F., 5: 333, figs. 14, 16, 43, & 52.
Host: **Arborophila t. torqueola** (Valenciennes), [India: Assam & Sikkim], (Slide available in B. M. (Natural History)).
9. **pucrasia** (Clay), 1938, (*Oxylipeurus*). *Proc. Zool. Soc. Lond.*, (B), 108 : 174, pl. 9, fig. 6.
Host: **Pucrasia m. macrolopha** (Lesson), [India: Himalaya], as *Oxylipeurus baileyi pucrasia* Clay; *Pucrasia m. macrolopha* (Lesson), [India : nr Simla], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10(4): 221, as *Lipeurus intermedius* Piaget; (Slide of K. & P. material is available in the Z. S. I., collections and found identical with *pucrasia* Clay. *Vide* Lakshminarayana, 1970. *Ph. D. Thesis: Systematic studies on Mallophaga on birds and mammals*, Agra University, Agra : 282, pl. 17 figs. 10-11; pl. 18 figs. 3-4).
10. **robustus** (Rudow), 1869, (*Lipeurus*). *Beitr. Zur Kenntnis Malloph.* : 32.
Host: (*Gennaeus nyctemerus*) = **Lophura leuconalana** (Latham), [Burma ; India: Sikkim], (Slide available in B. M. (Natural History)).
11. **tetraophasis** (Clay), 1938, (*Oxylipeurus*). *Proc. Zool. Soc. Lond.*, (B), 186, fig. 40; pl. 13 fig. 3.
Host: **Tetraophasis obscurus obscurus** (J. Verreaux), [China: Yunnan], **T. o. szechenyii** Madarasz, [China : Szechwan & Yunnan].

Rhombiceps Eichler, 1952

Rhombiceps Eichler, 1952, *Zool. Anz.*, 149 : Type species : *Nirmus recurvirostris* (Linne).

The genus is placed for the time being under *Quadriceps*.

90. *Rhynonirmus* Thompson, 1935

Rhynonirmus Thompson, 1935, *Parasitology*, 27 : 281 Type species : *Lipeurus infuscatus* Osborn.

1. **stenurae** Timmermann, 1955. *Ann. Mag. nat. Hist.*, (12) 8 : 513, fig. 13.

Host: **Capella stenura** (Bonaparte), [India; Nepal, & Sri Lanka (Ceylon)]

91. **Ricinus** De Geer, 1778

Ricinus De Geer, 1778. *Mem. Hist. Inst.*, 7 : 69. Type species by designation (Neumann, 1906. *Bull. Soc. Zool. Fr.*, 20 : 56) : **Ricinus fringillae** De Geer.

Nirmus Hermann, 1804, *Mem. Apterolog.* : 12. *Nomen novum* for **Ricinus** De Geer (Rejected and placed on official index)

Physostomum Nitzsch, 1818, *Germar's Mag. Ent.*, 3 : 302. Type species : (by subsequent designation, Harrison, 1916, *Parasitology*, 9; 24) : "**R. nitidissimum** Nitzsch = **fringillae** De Geer"

1. **balati** Rheinwald, 1968. *Mitt. Hamburg Zool. Mus. Inst.*, 65 : 272. figs. 25 a-f.

Host: (**Phylloscopus nitidus viridanus** (?)) **Phylloscopus trochiloides viridanus** Blyth, [Nepal], (**Seicercus b. burkei**) **Seicercus burkii burkii** (Burton), [Nepal], **canis** De Geer, 1778. See *Trichodectes*. **cornicis** De Geer, 1778. See *Myrsidea*.

2. **fringillae** De Geer, 1778. *Mem. Hist. Ins.* 7 : 71, pl. 4 figs. 5-8.

Hosts: **Emberiza a. aureola** Pallas, [India : Moirang (Manipur); Nepal]; **Acanthis flavirostris** (Linne), [Afghanistan]; **Prunella s. strophciata** (Blyth), [India : Lachung : Sikkim]. Rheinwald, 1968, *Mitt. Hamburg Zool. Mus. Inst.*, 65; 202, figs. 1a-c, 2a-e, 3a-c, 5 & 35.

gallinae De Geer, 1778. See *Goniocotes*.

3. **ivanovi** Blagoveshtchensky, 1951. *Paras. Zborn*, 13 : 283, figs. 5, 5a.

Host: (**Montifringilla brandti**) = **Leucosticte brandti** Bonaparte [India; Lachen, Sikkim], Rheinwald, 1968, *Mitt. Hamburg Zool. Mus. Inst.*, 299, figs. 33 a-e.

lari De Geer, 1778. See *Trinoton*.

4. **meinertzhageni** Rheinwald, 1968. *Mitt. Hamburg Zool. Mus. Inst.*, 65 : 288, figs. 30 a-f.

Hosts: **Anthus novaeseelandiae richardi** Vieillot, [India : (Dekkan) Deccan], **A. n. rufulus** Vieillot, [Burma : Mandalay, India : Bombay; Nepal], **A. s. similis**

Jerdon, [India: Baroda], and **A. godlewskii** (Taczanowski), [Sri Lanka (Ceylon): (Mullaition), Mullaittivao (North Province)].

5. **rubeculae** (Schrank), 1776, (*Pediculus*). *Beytr. Naturgesch.*: 115, pl. 5 fig. 4.
 Hosts: **Erithacus s. svecicus** (Linne), [India : Bombay], **Saxicola caprata** (Linne), [India : Kangla Tongli (Manipur)], **Monticola solitarius longirostris** (Blyth), [Afghanistan], Rheinwald, 1968, *Mitt. Hamburg. Zool. Mus. Inst.*, 65 : 264, figs. 22a-f, 23 & 24.
6. **serratus** (Durrant), 1906, (*Physostomum*). *Ohio Nat.*, 6: 528, fig. 1B.
 Hosts: **Galerida cristata** (Linne) ssp., [India : Poona], **G. c. magna** Hume, [Afghanistan], **Calandrella cinerea**, [*brachydactyla* (Leisler)], = **C. cinera longipennis** (Eversmann) (cf. Ripley, 1961: 263, footnote) [Pakistan: Bahawalpur], **Ammomanes deserti orientalis** (Zarudny & Lowden) (?), [Afghanistan], **Emberiza cia par** Hartert, [Afghanistan: Kabul; Pakistan: Bahawalpur], **E. c. yunnanensis** Sharpe, [China]. Rheinwald, 1968, *Mitt. Hamburg Zool. Mus. Inst.*, 65 : 229, figs. 10 a-f, & 11.
- (7) **thoracicus** (Piaget), 1880 (*nec* Packard, 1870), (*Physostomum*). *Pediculines* : 606, pl. 51, fig. 1. = no. 8.
8. **tinctus** Harrison, 1916. *Parasitology*, 9: 68. *Nomen novum* for **R. thoracicus** (Piaget), 1880 (*nec* Packard, 1870)
 Host: (*Hypsipetes m. mccllellandi*) = **Hypsipetes virescens mccllellandi** Horsfield, [Nepal], Rheinwald, 1968, *Mitt. Hamburg. Zool. Mus. Inst.*, 65: 293, figs. 31a-f.

92. *Saemundssonina* Timmermann, 1935

Saemundssonina Timmermann, 1935, *Zool. Anz.*, 114 : 97. Type species : *Philopterus gonothorax* (Giebel).

1. **hopkinsi** Clay, 1949. *Amer. Mus. Novit.*, no. 1409: 18, figs. 10, 13, 15 & 21.
 Host: **Sterna aurantia** J.E. Gray, [Burma : Myitkyina; India: Deccan; Nepal].

2. sterna (Linne), 1758, (*Pediculus*.) *Syst. Nat.* ed. 10 : 612.

Host: *Gelochelidon n. nilotica* (Gmelin), [India: (Rajputana) Rajasthan; Sri Lanka (Ceylon)], Clay, 1949. *Amer. Mus. Novit.*, no. 1409: 4, figs. 1-3, 16, 22 & 23, also Lakshminarayana, 1972. *Angew. parasitol.*, 13 : (1) : 52, 53.

93. Spironrimus Zlotorzzycka, 1964

Spironirmus Zlotorzzycka, 1964, *Acta Parasitol. Polonica*, 12 (24) : 261. Type species : *Nirmus nebulosus* Burmeister.

1. chitlatliyar (Ansari), 1955, (*Brueelia*). *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 55.

Host: (*Sturnus vulageris humii*) = *Sturnus vulgaris indicus* Blyth, [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 395 & Ansari, 1958. *Indian J. Ent.*, 20 (1): 52, figs. 35-36.

2. gulabitilyar (Ansari), 1955, (*Brueelia*). *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 54.

Host: *Sturnus r. roseus* (Linne), [Pakistan] : also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3): 395 & Ansari, 1958. *Indian J. Ent.*, 20 (1): 52, figs. 25-34, as *Brueelia gulabitilyar*, Ansari.

Stenocrotaphus Kéler, 1939

Stenocrotaphus Kéler, 1939, *Nova Acta Leop.-Carol.*, (n. F.). 8 : 124.

Type species : *Goniocotes gigas* Taschenberg.

Inseparable from *Goniodes*.

94. Strigiphilus Mjöberg, 1910

Strigiphilus Mjöberg, 1910, *Ark. Zool*, 6 (13) : 132. Type species: *Docophorus heterocerus* N.

Eustrigiphilus Ewing, 1926, *Proc. ent. Soc. Wash.*, 28 : 148. Type species : *Phlopterus ceblebrachys* (Nitzsch).

1. aitkeni Clay, 1960. *J. Ent. Soc. Qd.*, 5: 12, figs. 5, 7, 9, 11, pl. 2.

Host: *Tyto novaehollandiae castanops* (Gould), [India: Raipur], (This host species has not been referred to within Indian limits in Ripley, 1961. *Synopsis of the Birds of India and Pakistan*, Bombay nat. Hist. Soc. Publ.,..... . Lakshminarayana).

2. **boomae** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*, : 44.
Host: *Otus bakkamoena plumipes* (Hume), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3): 397 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2): 88, figs. 159, & 160.
3. **bramae** (Qadri), 1935, (*Eustrigiphilus*). *Z. Parasitenk.*, 8: 236, fig. 8.
Host: **Athene brama**, [*indica* (Franklin)], [India].
4. **cursor** (Burmeister), 1838, (*Docophorus*). *Handb. Ent.*, 2: 426.
Host: *Asio o. otus* (Linne), [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*, : 43, also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397, & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2): 88.
5. **goniodicerus** Eichler, 1949. *Beitr. tax. Zool.*, 1: 11. *Nomen novum* for *Docophorus heteroceros* Nitzsch, 1861 *nec.* Grube, 1851.
Host: *Bubo bubo bengalensis* (Franklin), [Pakistan], Ansari, 1953. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* 44; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3): 397 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 88.
- (6) **heteroceros** (Nitzsch), 1861, (*nec.* Grube, 1851). In Giebel's *Z. ges. NatWiss*, 18 : 527. = no. 5.
7. **macrogenitalis** Emerson & Elbel, 1957. *Proc. Biol. Soc. Wash.* 70: 197, figs. 4, 9.
Host: **Glaucidium cuculoides rufescens** Baker, [India : Oating ?) Assam] [same as above and also [India: Dikchu, Sikkim], Clay, 1974. *J. Ent.*, (B) 42 (2) : 141, figs. 1, 2, 8, 13, 19.
8. **nudipes** (Piaget), 1880, (*Docophorus*). *Pediculines*; 26 pl. 1 fig. 6.
Host: **Asio o. otus** (Linne), (Pakistan), Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*: 43, also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3): 397 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2): 87.
9. **rostratus** (Burmeister), 1838, (*Docophorus*). *Handb. Ent.*, 2 : 427
Host: *Tyto alba stertens* Hartert, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*: 43; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397, & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 87,

10. **strigis** (Pontoppidan), 1763, (*Pediculus*), *Danske Atlas*, 1 : 699, pl. 30.

Host: *Bubo bubo bengalensis* (Franklin), [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 43; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397 & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 88.

95. *Struthiolipeurus* Cummings, 1916

Struthiolipeurus Cummings, 1916, *Proc. Zool. Soc. Lond.*, 1916 : 679.

Type species : "*Struthiolipeurus asymmetricus* Piaget"

This is not a genus from India in strict sense although reported from India.

1. **stresemanni** Kéler, 1960, *Zool. Anz.*, 165 (11/12) : 451, figs. 1, 2, 4, 5, 7, 8, & 10.

Host: *Rhea* sp., [India : Calcutta Zoo], Lakshminarayana, 1970, In *Ph.D. Thesis, Systematic studies on Mallophaga on birds & mammals*, Agra University, Vol. I : 298; vol. II : pl. N. figs. 6-7; pl. 21 figs. 1-3; also Lakshminarayana, 1973. *Angew. Parasitol.*, 14 (4) : 227.

96. *Sturnidoecus* Eichler, 1944

Sturnidoecus Eichler, 1944. *Stettin. ent. Ztg.*, 105: 81. Type species : "*Docophorus leontodon* Nitzsch, *Sensu* Piaget, 1880".

1. **acutifrons** Ansari, 1967. *Pak. jour. Hlth.*, 1: 8 & 31.

Host: (*Sturnia m. malabarica*) = *Sturnus m. malabaricus* (Gmelin), [India: Mysore; Nepal].

2. **affinis** (Piaget), 1880. (*Docophorus*). *Pediculines*: 67, pl. 5 fig. 3.

Host: *Acridotheres t. tristis* Linne [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*, 161; also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397 & Ansari, 1959. *Indian J. Ent.*, (1958) 20 (2) : 82; (*Aethiopsar f. fuscus* & *A. f. javanicus*) *Acridotheres f. fuscus* (Wagler) & *A. javanicus* Cabanis, [Nepal], Ansari, 1967. *Pak. jour. Hlth.*, 1: 8 & 31.

3. **atharae** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 61.

Host: (*Cyanosylvia s. subcica*) = *Erithacus s. svecicus* (Linne), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*

- (1955), 17(3) : 396, & Ansari, 1959. *Indian J. Ent.* (1958), 20 (2) : 82 figs. 118-119.
4. **avinus** Ansari, 1967. *Pak. jour. Hlth.*, 1: 9 & 31.
Host: **Acridotheres t. tristis** (Linne), [India: (Rajputana) Rajasthan; Nepal; Pakistan: Lyallpur], as *S. bannoo avinus* Ansari.
 5. **bannoo** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 62.
Host: **Acridotheres ginginianus** (Latham), [Pakistan]; also in Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397 & Ansari, 1959. *Indian J. Ent.*, (1958), 20(2) : 84, figs. 129-136; [India: (Rajputana) Rajasthan; Pakistan: Lyallpur], Ansari, 1967. *Pak. jour. Hlth.*; 1: 8, 9 & 31; on the same host, [India], Emerson, 1973. *In some ectoparasites of the birds of Asia*: 103.
 6. **bituberculatus** (Giebel), 1874. (*Docophorus*). *Insecta epizoa*: 90.
Host: (*Dicrurus maerocercus peninsularis*) = **Dicrurus adsimilis macrocercus** Vieillot, [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 59; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 396, & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 79.
 7. **capensis** (Giebel), 1874, (*Docophorus*). *Insecta epizoa* : 90.
Hosts: **Sturnus contra superciliaris** (Blyth), [India: Assam], Ansari, 1967, *Pak. jour. Hlth.*, 1: 8, 32.
 8. **capitis** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*: 61.
Host: (*Saxicoloides fulicata cambainensis*) = **Saxicoloides fulicata cambaiensis** (Latham), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 397, & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 82, figs. 120-128.
chendoola Ansari, 1955. See *Philopterus*.
 9. **chilchil** Ansari, 1956. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*: 59.
Host: (*Argya c. caudata*) = **Turdoides caudatus caudatus** (Dumont), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 396, & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 77, figs. 85-92.
 10. **fragilis** Ansari, 1967. *Pak. Jour. Hlth.*, 1: 8, 32.
Host: (*Acridotheres tritis melanosternus*) = **A. tristis melanosternus** Legge, [Ceylon].

11. **graculae** (Piaget), 1880, (*Docophorus*). *Pediculines* : 67, pl. 5 fig. 2.
Host: (*Urocissa occipitalis*) = *Kitta erythrorhyncha occipitalis* (Blyth) (probably error), [Nepal], Kellogg & Paine, 1914. *Rec. Indian Mus.*, 10 (4) : 234, as *Doc. leontodon* var. *graculae* Piaget.
12. **guldum** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 59.
Host: (*Molpastes haemorrhus intermedius*) = *Pycnonotus cafer* (Linne) (either sub sp. *humayuni* Deignan or *intermedius* Blyth (. Lakshminarayana), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) 396; & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) 78, figs. 93-98.
irritans Ansari, 1955. See *Penenirmus*.
13. **laticephalum** Ansari, 1967. *Pak. Jour. Hlth*; 1: 8, 9, 31.
Host: (*Aethiopsar albocinctus*) = *Acridotheres albocinctus* Godwin-Austen & Walden, [India: Manipur], as *S. bannoo laticephalum* Ansari.
- (14) **leontodon** (Nitzsch), 1818, (*Philopterus* s.g. *Docophorus*). *German's Mag. Ent.*, 3 : 290. *Nomen novum for Pediculus sturni* Schrank) *sensu* Kellogg & Paine, 1914. = no. 11.
15. **pastoris** (Denny), 1842, (*Docophorus*). *Mon. Anopl. Brit.*, : 43, 77, pl. 4 fig. 3.
Host: (*Pastor roseus*) = *Sturnus roseus* (Linne), [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Cong. Sec. Biol.* : 61; also Ansari, 1956. *Indian J. Ent.*, (1958), 20 (2) : 83; also on the same host, [India: (Deccan) Andhra Pradesh; Pakistan: Lyallpur], Ansari, 1967. *Pak. Jour. Hlth.*, 1: 7, & 34.
16. **raji** (Ansari), 1947, (*Penenirmus*). *Proc. nat. Inst. Sci. India*, 13 (6) : 269, fig. 5.
Host: (*Gymnoris x. xanthocollis*) = *Petronia x. xanthocollis* Burton, & *Passer domesticus indicus* Jardine & Selby, [Pakistan : Lyallpur].
17. **saleimi** Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 60.
Host: *Oenanthe picata* (Blyth), [Pakistan]; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3) : 396, & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 80, figs. 110-117.

18. **sturni** (Schrank), 1776, (*Pediculus*). *Beytr. Naturgesch.*: 118, pl. figs. 11-14.

Hosts: (*Pastor roseus*) = **Sturnus roseus** (Linne), (*Sturnus vulgaris humii*) = **Sturnus vulgaris indicus** Blyth, (*Temenuchus pagodarum*) = **Sturnus pagodarum** (Gmelin), *Acridotheres t. tristis* (Linne), and **A. ginginianus** (Latham, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 273, as *Philo-pteris sturni* (Schrank) (May have been based on composite species) : also on (*Sturnus vulgaris humii*) = **Sturnus vulgaris indicus** Blyth, [Pakistan], Ansari; 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.*: 61; also Ansari, 1956. *Indian J. Ent.*, (1955), 17 (3): 397, & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 83. **S. v. humii** Brooks, [Pakistan: Lyallpur], Ansari, 1967. *Pak. Jour. Hlth.*, 1: 7 & 35.

19. **zoophilic** Ansari, 1967. *Pak. Jour. Hlth.*, 1: 8 & 36.

Host: (*Sturnopaster sinensis sinensis*) = ? **Sturnus sinensis** (Gmelin), [India: Bihar; Nepal].

97. **Syrrhaptoecus** Waterston, 1928

Syrrhaptoecus Waterston, 1928, *Proc Zool. Soc. Lond.*; 237. Type species (by subsequent designation, Hopkins, 1950, *Ann. Mag. Nat. Hist.*, (12) 3 : 235) : *S. uncinus* Waterston.

1. **alchatae** (Rudow), 1869, (*nec* Rudow, 1870). (*Lipeurus*.) *Beitr. Kenntn. Malloph.* : 36.

Host: **Pterocles alchata** (Linne), & (*Eremialector indicus*) **Pterocles indicus** (Gmelin), [India: Gurgaon Dist. (Punjab)], Waterston, 1928. *Proc. Zool. Soc. Lond.* 1: 344, fig. 1a.

2. **angulatus** Waterston, 1928. *Proc. Zool. Soc. Lond.*, 1 : 353, figs, 6a, 8a, 9b, & 9d.

Host: (*Eremialector indicus*) = **Pterocles indicus** (Gmelin) [India: Gambhur, Gurgaon Dist. (Punjab)].

3. **emahusaini** Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6): 281, fig. 9.

Host: (*Pterocles exustus hindustan*) **Pterocles exustus erlan-geri** Neumann, [Pakistan : Lyallpur].

4. **falcatus** Waterston, 1928. *Proc. Zool. Soc. Lond.*, 1 : 345, figs. 2a & 10b.

Hosts: (*Pterocles senegallensis*) **Pterocles e. exustus** Temminck, [India : Ahmadnagar (Maharashtra), North India, Wadali (Gujarat)] cf. Hopkins & Clay, 1952 : 346; (*P. exustus hindustan*) **P. exustus erlangeri**, Neumann, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 283.

5. **mitratus** Waterston, 1928. *Proc. Zool. Soc. Lond.*, 1 : 348., figs. 4a & 9a.

Host: (*Eremialector coronatus*) = **Pterocles coronatus saturatus** Kinnear, [India : Kashgar; Pakistan; Erie hills & Shikarpur (Sind)].

6. **pallasi** Waterston, 1928. *Proc. Zool. Soc. Lond.*, 1 : 353. fig. 5a.

Host: (*Eremialector orientalis*) = **Pterocles orientalis** (Linne), [India : nr. Fazilka (Punjab)].

7. **tibetanus** Waterston, 1928. *Proc. Zool. Soc. Lond.*, 1:342, fig. 3b.

Host: **Syrrhaptes tibetanus** Gould, [India: Ladakh & Karakorum (Jammu & Kashmir)].

Szidatiella Eichler, 1944

Szidatiella Eichler 1944, *Stettin. ent. Ztg.*, 105 : 81. Type species : *Docophorus elongatus* Piaget.

For the present retained under *Quadriceps*.

Tetrophthalmus Grosse, 1885

Tetrophthalmus Grosse, 1885 (*nec* Hope, 1845), *Z. Wiss. Zool.*, 42 : 534. Type species (by monotypy) : *T. chilensis* Grosse.

Synonymous with *Piagetiella* Neumann.

Timmermanniceps Eichler & Zlotorzycza, 1964

Timmermanniceps Eichler & Zlotorzycza, 1964, *Dtsch. ent. Zeitschr.*, (n. F.), (4-5) : 319. Type species : *Nirmus phalaropi* Denny. The genus is retained for the present under *Quadriceps*.

Traihoriella Ansari, 1947

Traihoriella Ansari, 1947, *Proc. nat. Inst. Sci. India*, 13 : 290. Type species : *T. punjabensis* Ansari.

Inseparable from *Brueelia*.

98. Trichodectes Nitzsch, 1818

Trichodectes Nitzsch, 1818, *Germar's Mag. Ent.*, 3 : 294. Type species : (by subsequent designation, Johnston & Harrison, 1911. *Proc. Linn. Soc' N. S. W.*, 36 : 326) : '*T. canis* De Geer (= *T. latus* N.)'

1. **canis** (De Geer), 1778, (*Ricinus*). *Mem. Hist. Inst.*, 7 : 81, pl. 4 fig. 16.

Hosts: **Canis familiaris** Linne, [Pakistan : Lyallpur], Ansari 1951. *Indian J. Ent.*, 13(2) : 133, fig. 42; (Jackal) **Canis aureus** Linne, [India : Calcutta], Sen & Fletcher, 1962. *Vet. Ent. & Acarology in India*, I.C.A.R., New Delhi : 410, as *T. latus* Nitzsch; **Vulpes bengalensis** Shaw, [Nepal: Dumkhauli, Nawal Parasi], Emerson, 1971, *J. med. Ent.*, 8 (6) : 622.

caprae Gurlt, 1843. See *Damalinia*.

2. **emeryi** Emerson & Price, 1974. *Proc. Biol. Soc. Wash.*, 87 (10) : 77, figs. 1-5.

Host: **Martes flavigula** [Boddaert], [Nepal : Sankhuwa Sabha].

equi Denny, 1842. See *Damalinia*.

forficula Piaget, 1880. *Damalinia*.

hemitragus Cummings, 1916. See *Damalinia*.

- (3) **latus** Nitzsch, 1818. *Germar's Mag. Ent.*, 3 : 296. *Nomen novum* for *R. canis* De Geer, 1778. = no. 1.

limbatus Gervais, 1844. See *Damalinia*.

muntiacus Seguy, 1948. See *Damalinia*.

4. **mustelae** (Schrank), 1803, (*Pediculus*). *Fauna Boica* : 186.

Host: **Mustela sibirica** Pallas, [Nepal : Phulung Ghyang, Nuwakot], Emerson, 1973. *J. Med. Ent.*, 8(6) : 622, **subrostratus** Burmeister, 1838. *Felicola*.

***Tricholipeurus* Bedford, 1929**

Tricholipeurus Bedford, 1929, *Rep. vet. Res. S. Afr.*, 15 : 514. Type species : *T. aepycerus* Bedford.

Not separable from *Damalinia*. May be considered as subgenus.

99. Trinoton Nitzsch, 1818

Trinoton Nitzsch, 1818, *Germar's Mag. Ent.*, 3 : 300. Type species (by monotypy) : *Liotheum (Trinoton) conspurcatum* Nitzsch.

1. **casarcae** Eichler, 1942. *Stettin. ent. Ztg.*, 104; 98, fig. 8.
Host: (*Casarca ferruginea*) = **Tadorna ferruginea** (Pallas), [Pakistan], Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 56; also in Ansari, 1956. *Indian J. Ent.* (1955), 17(3) : 400, & Ansari, 1957. *Indian J. Ent.*, (1956), 18(4) : 437.
2. **emersoni** Clay, 1963. *Mem. Qd. Brisbane*, 14 : 92, pls. 9-11.
Host: **Dendrocygna javanica** (Horsfield), [India; Sri Lanka (Ceylon)].
- (3) **lari** (De Geer), 1778, (*Ricinus*), *Mem. Hist. Inst.*, 7 : 77, pl. 4 fig. 12.=no. 5.
4. **nyrocae** Eichler, 1943. *Stettin. ent. Ztg.*, 104 : 97, figs. 6 & 7.
Host: (*Nyroca ferina*) = **Aythya ferina** (Linne), [Pakistan : Jati (Tatta Dist.)] Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Agric.* : 56; also in Ansari, 1956. *Pakistan J. Sci. Res.*, 8(2) : 59; Ansari, 1956. *Indian J. Ent.* (1955), 17 (3) : 400, & Ansari, 1957. *Indian J. Ent.*, (1956), 18 (4) : 435.
5. **querquedulae** (Linne), 1758, (*Pediculus.*) *Syst. Ent.*, ed. 10 : 612.
Host: **Anas c. crecca** Linne, [India: (Rajputana) Rajasthan; Nepal], Clay & Hopkins, 1950. *Bull. Br. Mus. nat. Hist. (Ent.)*, 1 (3) : 243, figs. 26-28; pl. 2 fig. 2.; (*Nettion c. crecca*) = **Anas c. crecca** Linne, & (*Nyroca f. ferina*) = **Aythya f. ferina** (Linne), [Pakistan: Lyallpur]; Ansari, 1951. *Proc. nat. Inst. Sci. India*, 17 (2) : 171 (Probably material from *A. f. ferina* may be identical with no.4); **A. c. crecca** Linne, [Nepal], Clay & Hopkins, 1954. *Bull. Br. Mus. nat. Hist. (Ent.)*, 3 (6) : 239, as *Ricinus lari* De Geer syn. *T. querquedulae* (Linne); **Anas acuta** Linne, **A. clypeata** Linne, **A. crecca** Linne, **A. penelope** Linne, & **A. strepera** Linne, [India], Emerson, 1973. In: *Some ectoparasites of the birds of Asia* : 119.

100. **Turnicola** Clay & Meinertzhagen, 1938

Turnicola Clay & Meinertzhagen, 1938, *Entomologist*, 71 : 278. Type species : **Lipeurus angustissimus** Giebel.

1. **angustissimus** (Giebel), 1866, (*Lipeurus*). *Z. ges. NatWiss.*, 28 : 382.
Host: **Turnix suscitator** (Gmelin), [India; Nepal]. (Slide in British Museum (Natural History)).

101. *Turturicola* Clay & Meinertzhagen, 1937

Turturicola Clay & Meinertzhagen, 1937, *Entomologist*, 70 : 278, fig. 1b. Type species : *T salimalii* Clay & Meinertzhagen.

1. **cruzesilvai** Tendeiro, 1965. *Jta. Invest. Ultramar*, (2) 32 : 25, figs. 17, 21, & 27.
Host: **Streptopelia senegalensis** (Linne), [India], (Slide in B. M. (Natural History)).

2. **salimalii** Clay & Meinertzhagen, 1937. *Entomologist*, 70 : 278, fig. 1b.

Hosts: **Streptopelia decaocta decaocta** (Frivaldszky), *Oenopelia t. tranquebarica* = **S. t. tranquebarica** (Hermann), [India : (Rajputana) Rajasthan]; **Columba livia intermedia** Strickland, **S. d. decaocta** (Frivaldszky), **S. chinensis suratensis** (Gmelin), **S. senegalensis cambayensis** (Gmelin), & On (*Turdoides t. terricolor*) = *Turdoides striatus 'sindianus* (Ticehurst), (*Leucocirca aureola burmanica*) = *Rhipidura 'aureola burmanica* (Hume), *Acridotheres t. tristis* (Linne), *Passer domesticus indicus* Jardine & Selby, & (*Psittacula krameri manillensis*) Probably *P. krameri borealis* (Neumann), [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 260. (The last named five species are apparently not the true hosts).

Uchida Ewing, 1930

Uchida Ewing, 1930, *Proc. biol. Soc. Wash.*, 43: 125. *Nomen novum* for *Neumannia* Uchida, 1926 (*nec* Trouessart, 1888).

Inseparable from *Menacanthus*.

102. *Upupicola* Clay & Meinertzhagen, 1939

Upupicola Clay & Meinertzhagen, 1939, *Entomologist*, 72: 164. Type species: "*Degeeriella melanophrys* (Nitzsch)".

- (1) **melanophrys** (Nitzsch), 1866, (*Nirmus*.) In Giebel's *Z. ges. NatWiss.*, 28 : 369. = no. 2.

2. *upupae* (Schrank), 1803, (*Pediculus*). *Fauna Boica*: 189 (= "upupae" Denny, 1842, (*Docophorus*). *Mon. Anopl. Brit.*: 45, 92, pl. 8 fig. 1).

Hosts: (*Upupa epops orientalis*) = *Upupa epops ceylonensis* Reichenbach, [Pakistan : Lyallpur], Ansari, 1947. *Proc. nat. Inst. Sci. India*, 13 (6) : 283, as *U. melanophrys* (Nitzsch); also in Ansari, 1955. *Proc. 7th Pak. Sci. Conf. Sec. Biol.* : 45; Ansari, 1956. *Indian J., Ent.*, (1955), 17 (3) : 397, & Ansari, 1959. *Indian J. Ent.*, (1958), 20 (2) : 91, as *U. upupae* (Schrank); *U. e. epops* Linne, [India; Pakistan], Clay & Hopkins, 1960. *Bull. Br. Mus. nat. Hist. (Ent.)*, 12 figs. 13-18; pl. 2 figs. 1 & 2.; *U. epops* Linne, [India], Emerson, 1973. In: *Some ectoparasites of the birds of Asia*: 104.

Virgula Clay, 1941

Virgula Clay, 1941 (nec Simpson, 1900), *Parasitology*, 33 : 119. Type species: *Goniodes meleagridis* (Linne).

A synonym of *Chelopistes* Kéler.

PART II — (HOST INDEX)

CLASS A : AVES

- I : Rheiformes
- II : Podicipediformes
- III : Procellariiformes
- IV : Pelecaniformes
- V : Ciconiiformes
- VI : Phoenicopteriformes
- VII : Anseriformes
- VIII : Falconiformes
- IX : Galliformes
- X : Gruiformes
- XI : Charadriiformes
- XII : Columbiformes
- XIII : Psittaciformes
- XIV : Cuculiformes
- XV : Strigiformes
- XVI : Caprimulgiformes
- XVII : Apodiformes
- XVIII : Coraciiformes
- XIX : Piciformes
- XX : Passeriformes

CLASS B : MAMMALIA

- I M : Marsupialia
- II M : Carnivora
- III M : Proboscidea
- IV M : Perissodactyla
- V M : Artiodactyla

(* Those marked with this sign are captive specimens (or species not given in Ripley, 1961 for Aves.)

A. CLASS : AVES

SUBCLASS : NEORNITHES

SUPERORDER : NEOGNATHAE

ORDER I : RHEIFORMES

Family (1) : RHEIDAE

- * 1. *Rhea* sp. (95.1)

ORDER II : PODICIPEDIFORMES

Family (1) : PODICIPEDIDAE

- (1) *Colymbus cristatus*. See II (i) : 2.
- 2. *Podiceps c. cristatus* (Linne) (85.2)
- 3. *Podiceps ruficollis capensis* Salvadori (10.1; 85.2)
- (4) *Poliiocephalus ruficollis*. See II (i) : 3.

ORDER III : PROCELLARIFORMES

Family (i) : DIOMEDEIDAE

- *1. *Diomedea exulans* (Linne) (81 1)

Family (ii) : Procellariidae

- *2. *Pterodroma brevirostris* (Lesson) (14.1)

ORDER IV : PELECANIFORMES

Family (i) : PELECANIDAE

- 1. *Pelecanus onocrotalus* Linne (83.1)

Family (ii) : SULIDAE

- (1). *Sula fiber*. See IV (ii) : 2.
2. *Sula leucogaster plotus* (Forster) (79.4)
3. *Sula sula* (Linne) (39.1)

Family (iii) : PHALACROCORACIDAE

- (1). *Haliaeator niger*. See IV (iii) : 2.
- *2. *Haliaeator pygmeus* (Pallas) (79.2)
3. *Phalacrocorax niger* (Vieillot) (39.2; 79.2)
- *4. *P. sulcirostris* (Brandt) (39.2)

Family (iv) : ANHINGIDAE

(Peters, 1931, Wetmore, 1951; Vaurie, 1965; & Storer, 1971, consider this family distinct from Phalacrocoracidae, unlike, Mayr & Amadon, 1951; & Ripley, 1961).

- (1). *Anhinga melanogaster*. See IV (iv) : 2.
- (2) *Anhinga rufa melanogaster* Pennant (79.1)

Family (v) : FREGATIDAE

1. *Fregata ariel* (G. R. Gray) (26.2)

ORDER V : CICONIIFORMES

Family (i) : ARDEIDAE

(Subfamily : ARDEINAE)

1. *Ardea purpurea* Linne (24.1)
2. *Ardeola grayii* (Sykes) (12.1; 12.2; 28.1)
3. *Bubulcus ibis coromandus* (Boddaert) (11.6; 24.1)
4. *Nycticorax n. nycticorax* (Linne) (24.1)

Family (ii) : CICONIIDAE

(Subfamily : CICONIINAE)

1. *Anastomus oscitans* (Boddaert) (11.9; 24.5; 26.22; 26.23)
2. *Ciconia e. episcopus* (Boddaert) (11.3; 24.5; 26.39)
- (3). *Dissoura e. episcopus*. See V (ii) : 2.
4. *Leptoptilos dubius* (Gmelin) (24.6; 26.7)
5. *L. javanicus* (Horsfield) (11.7; 24.6; 26.7)
6. *Xenorhynchus a. asiaticus* (Latham) (11.1; 24.5; 26.4)

(Subfamily : Mycteriinae)

7. **Ibis leucocephalus** (Pennant) (11 11; 24.3; 24.17; 70.1)

Family (iii) : THRESKIORNITHIDAE

(Subfamily : PLATALEINAE)

1. **Platalea l. leucordia** Linne [major Temminck & Schlegel]
(11 10; 26.26; 41 1; 54.3; 54.4)

(Subfamily : THRESKIORNITHINAE)

2. **Plegadis falcinellus** (Linne) (54.4)
*3. **Pseudibis davisoni** (Hume) (11.2; 26.8)
4. **P. papillosa** (Temminck) (11.4; 54.2)
5. **Threskiornis melanocephala** (Latham) (11.8; 26.20; 54.1; 54.4)
*6. **T. m. molucca** (Cuvier) (26.1)

ORDER VI : PHOENICOPTERIFORMES

(Mayr & Amadon, 1951; Vaurie, 1965; & Storer, 1971, consider this order distinct, while, Peters, 1931, Wetmore, 1951; & Ripley, 1961 treated it as a family of Ciconiiformes.)

Family (i) : PHOENICOPTERIDAE

- (1). *Phoenicopus antiquorum*. See VI (i) : 2.
2. **P. roseus** Pallas (9.3; 26.13; 26.28; 26.29)

ORDER VII : ANSERIFORMES

Family (i) : ANATIDAE

(Subfamilies & tribes are after Delacour, 1954-59).

(Subfamily : ANSERINAE)

(Tribe : Dendrocygnini)

1. **Dendrocygna javanica** (Horsfield) (1 1; 99.2)
*2. **D. viduata** (Linne) (1.3)

(Tribe : Anserini)

3. **Anser anser** (Linne) (8.1)
4. **A. indicus** (Latham) (8.1)

(Subfamily : ANATINAE)

(Tribe : Tadornini)

(5) *Casarca f. ferruginea*. See VII (i) : 6.6. *Tadorna ferruginea* (Pallas) (8.3; 8.6; 9.1; 9.4; 54.4; 99.1)

(Tribe : Anatini)

(7) *Anas boschas*. See VII (i) : 6.8. *A. acuta* Linne (8.3; 99.5)9. *A. clypeata* Linne (8.3; 99.5)10. *A. crecca* Linne (8.3; 8.7; 99.5)11. *A. Penelope* Linne (8.3; 99.5)12. *A. p. platyrhynchos* Linne (8.3)13. *A. querquedula* Linne (53.1; 53.3)14. *A. strepera* Linne (8.3; 99.5)

(Tribe : Aythyini)

15. *Aythya f. ferina* (Linne) (8.3; 8.5; 9.1; 9.2; 99.4; 99.5?)16. *Netta rufina* (Pallas) (1.2; 8.3; 53.2)(17) *Nyroca f. ferina*. See VII (i) : 15.

(Tribe Cairnini)

18. *Sarkidornis melanotos* (Pennant) (8.2; 53.2)*Species indeterminate*

(19) Dun bird (Probably VII (i) : 15).

(20) Domestic duck (33.2)

(21) Unidentified duck (Probably a teal) (8.4)

ORDER VIII : FALCONIFORMES

Family (i) : ACCIPITRIDAE

(Subfamilies after Peters, 1931)

(Subfamily : ELANINAE)

1. *Elanus caeruleus vociferus* (Latham) (36.3)

(Subfamily : PERNINAE)

2. *Aviceda jerdoni* (Blyth) (58.6)(3). *Baza jerdoni*. See VIII (i) : 2.(4) *Pernis apivorus ruficollis*. See VIII (i) : 6.5. *P. ptilorhynchus* (Temminck) (36.7; 74.2)6. *P. ptilorhynchus ruficollis* Lesson (26.3; 36.7)

(Subfamily : MILVINAE)

(7). *Milvus melanotis*. (Error). Probably VIII (i) : 50.

8. *Milvus migrans* (Boddaert) [govinda Sykes] (26.39; 29.6; 31.2; 36.5; 36.12; 36.16; 58.6)
9. *M. migrans lineatus* (J. E. Gray) (26.39; 58.6)
10. *Haliastur indus* (Boddaert) (26.9; 26.15; 26.39; 36.11; 36.12; 58.6)

(Subfamily : ACCIPITRINAE)

11. *Accipiter badius* (Gmelin) (26.41; 36.8; 58.6)
12. *A. nisus* (Linne) (36.9)
13. *A. trivirgatus indicus* (Hodgson) (36.15)
14. *A. t. peninusulae* Koelz (36.15)
15. *Neophorn percnopterus* (Linne) (3.3; 26.25; 43.1)

(Subfamily : Buteoninae)

16. *Aquila chrysaetos* (Linne) (43.7)
17. *A. clanga* Pallas (58.10)
18. *A. heliaca heliaca* Savigny (36.2; 43.7; 43.7; 58.10)
19. *A. n. nipalensis* (Hodgson) (26.14; 43.7)
20. *A. pomarina* C. L. Brehm [hastata (Lesson)] (36.2; 43.7; 58.10)
21. *A. rapax* (Temminck) (36.4)
22. *A. rapax vindhiana* Franklin (43.7)
- *23. *Butastur liventer* (Franklin) (36.1)
24. *B. teesa* (Franklin) (36.1; 36.5)
- (25) *Buteo burmanicus burmanicus*. See VIII (i) : 26.
26. *Buteo buteo* Linne (burmanicus Hume) (26.39; 57.2)
27. *Buteo rufinus rufinus* [Cretzschmar] (58.6)
28. *Haliaeetus leucoryphus* (Pallas) (26.39; 36.12; 58.10)
- (29) *Hieaaetus pennatus*. See VIII (i) : 31.
- (30) *Hieraaeti pennatus*. See VIII (i) : 31.
31. *Hieraaetus pennatus* (Gmelin) (26.42; 29.5; 43.8; 58.6)
- (32) *Hieraaetus ponnatus*. See VIII (i) : 31.
33. *Ichthyophaga ichthyaetus* (Horsfield) (36.4)

(Subfamily : AEGYPIINAE)

33. *Aegyptius monachus* (Linne) (3.1; 26.27; 43.5; 43.6)
34. *Gypaetus barbatus* (Linne) [aureus (Hablizl)] (26.5; 36.9; 58.10)
35. *Gyps bengalensis* (Gmelin) (30.1; 33.6; 43.4; 58.10)
36. *G. fulvus* (Hablizl) (43.5; 58.10)
37. *G. himalayensis* Hume (3.3; 26.11; 43.2; 43.5; 58.10 74.1)

38. *G. indicus* (Scopoli) (26.39; 43.5; 58.10)
 (39) *Pseudogyps bengalensis*. See VIII (i) : 35.
 (40) *Sarcogyps calvus*. See VIII (i) : 41.
 41. *Torgos calvus* (Scopoli) (43.3; 58.10)
 42. *Vultur cinereus*. See VIII (i) : 33.
 43. *V indicus*. See VIII (i) : 38.

(Subfamily : CIRCINAB)

44. *Circus aeruginosus* (Linne) (36.5; 58.6)
 45. *C. melanoleucos* (Pennant) (36.5)

(Subfamily : CIRCAETINAB)

- (46) *Circaetus ferox*. See VIII (i) : 47.
 47. *Circaetus g. gallicus* (Gmelin) (29.7; 58.6).
 (48) *Spilornis cheela albidus*. See VIII (i) ; 50.
 49. *S. c. cheela* (Latham) (36.4)
 50. *S. c. melanotis* (Jerdon) (29.3; 36.4)

Family (ii) : FALCONIDAE

(Subfamily : POLIHIERACINAB)

- *1. *Microhierax caerulescens burmanicus* Swann (44.1)

(Subfamily : FALCONINAB)

- (2) *Cerchneis tinnunculus interstinctus*. See VIII (ii) : 13.
 3. *Falco biarmicus cherrug* J. E. Gray (36.13)
 4. *F. b. jugger* J. E. Gray (26.41; 36.13; 58.8)
 (5) *F. cherrug*. See VIII (ii) : 3.
 6. *F. c. chicquera* Daudin (29.1; 36.5)
 (7) *F. c. chiquera*. See VIII (ii) : 6.
 (8) *F. jugger*. See VIII (ii) : 4.
 9. *F. naumanni* Fleischer (36.13)
 10. *F. peregrinus* Tunstall (36.13)
 11. *F. subbuteo* Linne (36.13)
 12. *F. tinnunculus* Linne (26.41; 36.13; 58.8)
 13. *F. tinnunculus interstinctus* McClelland (36.13)

ORDER IX : GALLIFORMES

Family (i) : MEGAPODIIDAE

1. *Megapodius freycinet nicobariensis* Blyth (48.9; 76.1)
 (2) *M. n. nicobariensis*. See IX (i) : 1.

Family (ii) : PHASIANIDAE

- (1) *Acomus erythrophthalmus*. See IX (ii) : 43.
- (2) *A. pyronotus*. See IX (ii) : 44.
3. *Alectoris graeca chukar* (J. E. Gray) (48.14)
- *4. *A. g. falki* Hartert (48.14)
5. *A. g. pallescens* (Hume) (31.2; 47 1; 48.14)
6. *Ammoperdix griseogularis* (J. F. Brandt) (48.2)
- (7) *Arboricola rufogularis*. See IX (ii) : 9.
8. *Arborophila rufogularis* (Blyth) (48.22; 48.31; 76.6)
9. *A. rufogularis intermedia* (Blyth) (48.31; 76.6)
- *10. *A. r. tickelli* (Hume) (31.3; 48.22; 48.31; 76.6)
11. *A. torqueola batemani* (Ogilvie-Grant) (48.22; 76.6)
12. *A. t. millardi* (Baker) (48.22; 48.31; 76.6)
13. *A. t. toroqueola* (Valenciennes) (48.22; 48.31; 76.6; 89.7)
- *14. *Argusianus argus* (Linne) (7 5; 48.12; 77.2)
- 14a. *Bambusicola fytchii* Anderson (48.29)
- *15. *Caloperdix o. oculatea* (Temminck) (7 1; 60.8; 60.12; 64.1)
16. *Catreus wallichii* (Hardwicke) (48.32)
- *17. *Chrysolophus amherstiae* (Leadbeater) (48 7; 60.3; 89.6)
- *18. *C. pictus* (Shaw) (48.8)
19. *Coturnix coromandelica* (Gmelin) (48.3)
20. *C. coturnix* (Linne) (31 1; 48.2; 63.1)
21. *C. coturnix chinensis* (Linne) (48.33)
22. *Crossoptilon c. crossoptilon* (Hodgson) (48.16; 60.6; 89.2)
- *23. *Diardigallus diardi* Bonaparte (47.2; 48.6)
- (24) *Excalfactoris c. chinensis*. See IX (ii) : 21.
25. *Francolinus f. asiae* Bonaparte (47 5; 60.2; 63.9)
26. *F. f. henrici* Bonaparte (31 7; 60.2)
27. *F. gularis* (Temminck) (37.35)
28. *F. pintadeanus* (Scopoli) (60.1)
29. *F. pondicerianus interpositus* Hartert (64.2)
30. *Galloperdix bicalcarata* (J. R. Forster) (64.3)
31. *G. s. spadicea* (Gmelin) (76.2)
32. *Gallus gallus [domesticus]* (Linne) (31.2; 47 3; 47.6; 48.15; 48.20; 60.2; 60.7; 63.18; 64.1)
33. *G. g. murghi* Robinson & Kloss (48 15; 60.2; 64.1; 76.3)
34. *G. lafayettii* Lesson (48 15; 60.2; 64.1)
35. *G. sonneratii* Temminck (31.4; 48.15; 60.2; 64.1; 64.5)
- (36) *Gennaues albicristatus*. See IX (ii) : 55
- (37) *G. andersoni*. See IX (ii) : 52.
- (38) *G. melanotus*. See IX (ii) : 58.
- (39) *G. nycthemerus horsfieldi*. See IX (ii) : 57 & 60

- (40) *G. n. oatesi*. See IX (ii) : 59.
 (41) *G. swinhoii*. See IX (ii) : 42.
 *42. *Hierophasis swinhoii* (Gould) (60.2)
 *43. *Houppifer erythrophthalmus* (Raffles) (7.4; 48.26; 64.5?)
 *44. *H. pyronotus* G. R. Gray (64.5)
 45. *Ithaginis c. cruentus* (Hardwicke) (48.15; 48.24; 89.3a)
 *46. *I. cruentus clarkei* Rothschild (48.24)
 *47. *I. c. geoffroyi* Verreaux (48.24)
 48. *Lerwa lerwa* (Hodgson) (23.1; 59.2)
 49. *Lophophorus impejanus* (Latham) (48.17; 48.27; 59.1; 60.4; 89.1)
 *50. *L. lhuysii* St. Hilarie & Verreaux (89.1)
 51. *L. sclateri* Jerdon (59.1; 89.1)
 *52. *Lophura andersoni* (Elliot) (47.2)
 *53. *L. diardi* Bonaparte (64.5)
 *54. *L. ignita* (Shaw) (48.26; 64.5)
 55. *L. leucomelana hamiltonii* (J. E. Gray) (47.2; 48.8; 48.29; 60.5)
 56. *L. leucomelana lathami* (J. E. Gray) (48.6; 48.29; 60.5)
 57. *L. leucomelana leucomelana* (Latham) (48.8; 48.29; 60.5; 89.9)
 58. *L. leucomelana melanota* (Hutton) (7.4; 48.8; 60.2)
 *59. *L. leucomelana oatesi* (Oglivie-Grant) (48.29; 60.5)
 (60) *L. nyctemerus horsfieldi*. See IX (ii) : 56.
 61. *Pavo cristatus* Linne (7.2; 7.3; 26.34; 47.7; 47.8; 47.9; 47.10; 48.28; 48.30)
 62. *P. cristatus* Linne [*nigripennis* Sclater] (47.9; 48.30; 60.2; 60.10)
 63. *P. muticus* Linne (26.36)
 64. *Perdicula a. asiatica* (Latham) (31.5)
 *65. *Phasianus colchicus torquatus* Gmelin (48.15; 60.9; 63.20?)
 (66) *Phasianus soemmeringii scintillans*. See IX (ii) : 73.
 (67) *P. torquatus*. See IX (ii) : 65.
 68. *Polyplectron bialcaratum* (Linne) (48.26; 64.6)
 69. *Pucrasia macrolopha biddulphi* Marshall (48.23; 48.29)
 70. *P. m. macrolopha* (Lesson) (48.29; 89.8)
 *71. *Rollulus roulroul* (Scopoli) (48.10; 89.5)
 *72. *Syrmaticus (Calophasis) ellioti* (Swinhoe) (64.5)
 *73. *S. (Graphophasianus) soemmeringi scintillans* Gould (47.2; 48.15)
 *74. *Syrmaticus humiae burmanicus* (Oates) (48.21)
 75. *S. h. humiae* (Hume) (48.21)
 76. *Tetraogallus h. himalayensis* G. R. Gray (31.6; 48.11)

- 77. **T. tibetanus equilonifer** R. & A. Meinertzhagen (48.11)
- 78. **T. tibetanus tibetanus** Gould (48.11)
- *79. **Tetraophasis o. obscurus** (J. Verreaux) (26.35; 89.10)
- 80. **Tragopan b. blythi** (Jerdon) (48.34; 89.1)
- *81. **T. caboti** (Gould) (48.34; 89.1)
- 82. **T. melanocephalus** (J. E. Gray) (48.37; 89.4)
- 83. **T. satyra** (Linne) (48.34; 89.4)
- 84. **T. temminckii temminckii** (J. E. Gray) (48.34; 89.1)
- *85. **Tropicoperdix c. chloropus** (Blyth) (76.5)
- 86. **Black minorca** (48.15; 60.7)
- 87. **Wild chicken** (60.2; 63.15; 64.1)

ORDER X : GRUIFORMES

Family (i) : TURNICIDAE

- 1. **Turnix suscitator** (Gmelin) (100.1)

Family (ii) : GRUIDAE

(Subfamily : GRUINAE)

- 1. **Anthropoides virgo** (Linne) (40.1; 50.1)
- 2. **Grus antigone antigone** (Linne) (40.2; 50.2)
- 3. **G. grus** (Linne) (50.3)
- 4. **G. nigricollis** Przevalski (50.3)

(Subfamily : BALEARICINAE)

- *5. **Balearica pavoni [c] na** (Linne) (50.5)

Family (iii) : RALLIDAE

(Subfamily : RALLINAE)

- 1. **Amaurornis phoenicurus chinensis** (Boddaert) (87.6)
- 2. **A. phoenicurus phoenicurus** (Pennant) (85.5; 85.6)
- 3. **Gallinula chloropus** (Linne) (85.6)
- (4) **Porphyrio poliocephalus poliocephalus**. See X (iii) : 5
- 5. **P. porphyrio poliocephalus** (Latham) (85.1; 85.7; 88.4)
- 6. **P. p. porphyrio** (Linne) (88.8)
- 7. **Porzana fuscus bakeri** Hartert (88.5)

(Subfamily : FULICINAE)

- 8. **Fulica a. atra** Linne (42.1; 46.1; 55.1; 85.6; 88.2)

Family (iv) : OTIDIDAE

1. ***Chlamydotis undulata macqueenii*** (J. E. Gray) (75.1)
2. ***Choriotis nigriceps*** (Vigors) (75.2)
- (3) ***Houbara (Otis) macqueeni***. See X (iv) : 1

ORDER XI : CHARADRIIFORMES

(Families & subfamilies are after, Peters, 1934; Wetmore, 1951; Mayr & Amadon, 1951; Storer, 1971)

Family (i) : JACANIDAE

1. ***Hydrophasianus chirurgus*** (Scopoli) (85.3; 85.6; 88.7)
2. ***Metopidius indicus*** (Latham) (85.4; 88.3)

Family (ii) : ROSTRATULIDAE

1. ***Rostratula benghalensis*** (Linne) (87.22)

Family (iii) : CHARADRIIDAE

(Subfamily : VANELLINAE)

(Ripley, 1961 included this subfamily under Charadriinae)

- (1) ***Chettusia gregaria***. See XI (iii) : 8.
- (2) ***C. leucura***. See XI (iii) : 10.
- (3) ***Hoplopterus duvaucelii***. See XI (iii) : 12.
- (4) ***Lobipluvia indicus***. See XI (iii) : 9.
- (5) ***L. malabarica***. See XI (iii) : 11.
- (6) ***Microsarcops cinereus***. See XI (iii) : 7.
7. ***Vanellus cinereus*** (Blyth) (87.28)
8. ***V. gregarius*** (Pallas) (2.7)
9. ***V. i. indicus*** (Boddaert) (2.4; 87.9; 87 14)
10. ***V. leucurus*** (Lichtenstein) (2.7; 13.4; 87 12)
11. ***V. malabaricus*** (Boddaert) (2.4)
12. ***V. spinosus duvaucelii*** (Lesson) (87 15)

(Subfamily : CHARADRIINAE)

13. ***Charadrius dubius*** Scopoli (2.7; 87.5)

Family (iv) : SCOLOPACIDAE

(Ripley, 1961, considers this family as a subfamily of Charadriidae)

(Subfamily : TRINGINAE)

1. *Limosa lapponica* (Linne) (2.5)
2. *L. limosa* (Linne) (2.13; 13.5; 21 1)
3. *Numenius a. arquata* (Linne) (2.9; 13.1)
- *4. *N. minutus* (Gould) ? (13.1)
5. *Tringa erythropus* (Pallas) (2.5; 87.11)
6. *T. hypoleucos* Linne (87.23)
7. *T. nebularia* (Gunnerus) (2.8; 87.27)
8. *T. o. ochropus* Linne (2.6; 2.15; 13.3; 13.7 ?; 87 11; 87.20)
9. *T. stagnatilis* (Bechstein) (2.15)
10. *T. totanus totanus* (Linne) (2.15; 87 7)

(Subfamily : ARENARIINAE)

11. *Arenaria interpres* (Linne) (2.10)

(Subfamily : SCOLOPACINAE)

12. *Capella* sp. (85.7 ?) (Error)
13. *C. stenura* (Bonaparte) (90.1)
14. *Limnodromus semipalmatus* (Blyth) (87.25)

(Subfamily : EROLIINAE)

15. *Calidris m. minutus* (Leisler) (2.17; 21.3; 61.1; 61.3)
- (16). *Erolia m. minuta*. See XI (iv) : 15.
17. *Limicola falcinellus* (Pontoppidan) (61.4)
18. *Philomachus pugnax* (Linne) (2.11; 21.2; 61.2; 87 18)

Family (v) : RECURVIROSTRIDAE

(Subfamily : IBIDORHYNCHINAE)

1. *Ibidorhyncha struthersii* Vigors (2.2; 87 1)

(Subfamily : RECURVIROSTRINAE)

2. *Himantopus h. himantopus* (Linne) (2.3; 2.12; 2.15; 13.3; 13.6; 87 11?; 87 13; 87.24; 87.26)

Family (vi) : DROMADIDAE

1. *Dromas ardeola* Paykull (87.4)

Family (vii) : BURHINIDAE

1. **Burhinus oedienemus** (Linne) (87.3)
2. **Esacus magnirostris recurvirostris** (Cuvier) (2.14)

Family (viii) : GLAREOLIDAE

(Subfamily : CURSORIINAE)

1. **Cursorius cursor cursor** (Latham) (13.2; 87 19)

(Subfamily : GLAREOLINAE)

2. **Glareola lactea** Temminck (87 10)
3. **G. pratincta** (Linne) (87 10)

Family (ix) : LARIDAE

(Subfamily : STERNINAE)

1. **Chlidonias hybrida indica** (Stephens) (87.2)
2. **C. leucoptera** (Temminck) (87.2)
3. **Gelochelidon n. nilotica** (Gmelin) (87 17; 92.2)
4. **Sterna aurantia** J. E. Gray (87 16; 92.1)

ORDER XII : COLUMBIFORMES

Family (i) : PTEROCLIDIDAE

- (1) *Eremialector coronatus*. See XII (i) : 5.
- (2) *E. indicus*. See XII (i) : 9.
- (3) *E. orientalis*. See XII (i) : 10.
4. **Pterocles alchata** (Linne) (87 1)
5. **P. coronatus** [* *saturatus* Kinnear] (97.5)
6. **P. exustus erlangeri** (Neumann) (68.4 (Error); 87.3; 97.4)
- (7) *P. e. hindustan*. See XII (i) : 6.
- *8. **P. e. exustus** Temminck (97.4)
9. **P. indicus** (Gmelin) (97 1; 97.2)
10. **P. orientalis** (Linne) (97.6)
- (11) *P. senegallensis*. See XII (i) : 8.
12. **Syrrhaptes tibetanus** Gould (97 7)

Family (ii) : COLUMBIDAE

(Subfamily : TRERONINAE)

- (1) *Crocopus p. phoenicopterus*. See XII (ii) : 3.
- (2) *Sphenurus sphenurus*. See XII (ii) : 5.

3. ***Treeron phoenicoptera*** (Latham) (27.2; 27 11)
4. ***T. pompadora*** (Gmelin) (27.4)
5. ***T. sphenura*** (Vigors) (27.4)

(Subfamily : COLUMBINAE)

6. ***Chalcophaps indica*** (Linne) (27 7; 73.2)
7. ***Columba hodgsonii*** Vigors (25a.1; 27.9).
8. ***C. leuconota leuconota*** Vigors (19.3)
- *9. ***C. livia*** [domestica] Gmelin (26.18; 26.39; 27.2)
- *11. ***C. vitiensis*** Quoy & Gaimard (27.7)
12. ***Macropygia unchall*** (Wagler) (27.5)
13. ***M. U. tubalia*** (Blyth) (25a.23)
14. ***Streptopelia chinensis*** (Scopoli) (25.2)
15. ***S. chinensis ceylonensis*** (Reichenbach) (15.1)
16. ***S. c. suratensis*** (Gmelin) (25.3; 25.5; 27.2; 27.6; 101.2)
17. ***S. decaocta*** (Frivaldzsky) (19.1; 25.5?; 25.6; 27.2; 27.3; 52.1; 101.2)
18. ***S. orientalis*** (Latham) (27.10)
19. ***S. o. agricola*** (Tickell) 73.1)
20. ***S. senegalensis*** (Linne) ssp.? (101 1)
21. ***S. senegalensis cambayensis*** (Gmelin) (27.2, 27.12; 101.2)
22. ***S. t. tranquebarica*** (Hermann) (27.2; 27.8; 101.2)

ORDER XIII : PSITTACIFORMES

Family (i) : PSITTACIDAE

(Subfamily : PSITTACINAE)

1. ***Psittacula eupatria nipalensis*** (Hodgson) (71.1)
2. ***P. krameri borealis*** (Neumann) (38.1; 56.1; 71.2?; 78.1; 101.2 (Error))
- (3) ***P. k. manillensis*** (Bechstein) (Error). Probably XIII (i): 2. (56.1)

ORDER XIV : CUCULIFORMES

Family (i) : CUCULIDAE

(Subfamily : CUCULINAE)

1. ***Cacomantis merulinus*** (Scopoli) (33.8)
2. ***C. sonneratii*** (Latham) (33.8)
3. ***Clamator j. jacobinus*** (Boddaert) (32.1; 32.3; 33.8; 34.1)

4. **Cuculus varius** Vahl (32.3; 33.9)
- (5). **Hierococyx varius**. See XIV (i) : 4.
6. **Eudynamys s. scolopacea** (Linne) (32.2; 32.5)
7. **Surniculus lugubris** (Horsfield) (33.8)

(Subfamily : PHAENICOPHAENIAE)

- *8. **Rhopodytes diardi** (Lesson) (33.8)

(Subfamily : CENTROPODINAE)

9. **Centropus sinensis sinensis** (Stephens) (26.31; 33 8; 88.9)

ORDER XV : STRIGIFORMES

Family (i) TYTONIDAE

(Peters, 1940; Wetmore, 1951; & Storer, 1971 consider this family distinct, while Mayr & Amadon, 1951; & Ripley, 1961, placed this as a subfamily of Strigidae)

1. **Tyto alba stertens** Hartert (57 5; 94.9)
- *2. **T. novaehollandiae castanops** (Gould) (94.1)

Family (ii) : STRIGIDAE

(Subfamily : BUBONINAE)

(After Peters, 1940. Ripley, 1961 included the species under Striginae)

1. **Athene brama indica** (Franklin) (26.24; 94.3)
2. **Bubo bubo bengalensis** (Franklin) 57.3; 94.5; 94.10)
3. **Glaucidium cuculoides** (Vigors) (57 1)
4. **G. c. rufescens** Baker (94.7)
5. **Otus b. bakkamoena** Pennant (26.24)
6. **O. b. plumipes** (Hume) (94.2)

(Subfamily : STRIGINAE)

7. **Asio o. otus** (Linne) (94.4; 94.8)

ORDER XVI : CAPRIMULGIFORMES

Family (i) : CAPRIMULGIDAE

(Subfamily : CAPRIMULGINAE)

1. **Caprimulgus affinis monticolus** Franklin (67.4)
2. **Caprimulgus a. asiaticus** Latham (67.3)

3. *C. macrurus albonotatus* Tickell (67 1)
4. *C. m. monticolus*. See XVI (i) : 1.

ORDER XVII : APODIFORMES

Family (i) : APODIDAE

(Subfamily : CHAETURINAE)

(Ripley, 1961 included this subfamily under Apodinae)

1. *Chaetura gigantea indica* Hume (37.2)
(Subfamily : APODINAE)
2. *Apus affinis affinis* (J. E. Gray) (37.3)
3. *A. affinis nipalensis* (Hodgson) (37.3)
4. *A. affinis singalensis* Madaràsz (37.3)
5. *A. melba bakeri* Hartert (37.5)
- *6. *A. melba tuneti* Tschusi (37.5)
- (7) *Cypselus affinis*. See XVII (i) : 2.
8. *Cypsiurus parvus batasiensis* (J. E. Gray) (37 1)
- (9) *Micropus affinis*. See XVII (i) : 2.
- (10) *M. melba bakeri*. See XVII (i) : 5.
- (11) *M. melba tuneti*. See XVII (i) : 6.

ORDER XVIII : CORACIIFORMES

Family (i) : ALCEDINIDAE

(Subfamily : CERYLINAЕ)

1. *Ceryle lugubris guttulata* Stejneger (68.41. Error)
2. *C. rudis leucomelanura* Reichenbach (5.2)

(Subfamily : ALCEDININAE)

3. *Alcedo atthis [ispida]* (Linne) (5.1)

(Subfamily : DACELONINAE)

4. *Halcyon s. smyrnensis* (Linne) (4.1; 4.2; 5.1; 5.3)

Family (ii) : MEROPIDAE

1. *Merops apiaster* Linne (65.1; 66.2)
2. *M. l. leschenaulti* Vieillot (66.3)
3. *M. o. orientalis* Latham (66.1)
- (4) *M. viridis*. See XVIII (ii) : 3.

Family (iii) : CORACIIDAE

(Subfamily : CORACIINAE)

1. **Coracias b. benghalensis** (Linne) (20.1; 20.2; 20.3)

Family (iv) : UPUPIDAE

1. **Upupa epops ceylonensis** Reichenbach (102.2)
2. **U. e. epops** Linne (102.2)
- (3) **U. e. orientalis**. See XVIII (iv) : 1.

Family (v) : BUCEROTIDAE

1. **Aceros nipalensis** (Hodgson) (18 1).
- *2. **Anthracoceras albirostris leucogaster** (Blyth) (22.1).
3. **A. malabaricus** (Gmelin) (22.1).
- (4) **Buceros malabaricus**. See XVIII (v) : 3.
- (5) **B. nepalensis**. See XVIII (v) : 1.
6. **Tockus birostris** (Scopoli)

ORDER XIX : PICIFORMES

Family (i) : CAPITONIDAE

1. **Megalaima virens marshallorum** Swinhoe (17.32; 82.3)

Family (ii) : PICIDAE

(Subfamily : PICINAE)

1. **Dendrocopos assimilis** (Blyth) (84.1)
2. **D. darjellensis** (Blyth) (84.1)
3. **D. m. macei** (Vieillot) (84.1)
- (4) **Dryobates sindianus**. See XIX (ii) : 1.
5. **Picus s. squamatus** Vigors (26.37; 80.2)

ORDER XX : PASSERIFORMES

Family (i) : ALAUDIDAE

- *1 **Ammomanes deserti orientalis** (Zaurdny & Lowden) (91.6)
- (*2) **Calandrella cinerea brachydactyla** (Leisler). See XX (i) : 3.
3. **C. cinerea longipennis** (Eversmann) (91.6)
4. **Gallerida cristata** (Linne) S. Sp.? (91.6)
5. **G. cristata chendoola** (Franklin) (82.1; 82.10 ?)
6. **G. c. magna** Hume (91.6)

Family (ii) HIRUNDINIDAE

(Subfamily : HIRUNDININAE)

1. **Hirundo rustica** Linne (82.8)

Family (iii) : LANIIDAE

(Subfamily : LANIINAE)

1. **Lanius excubitor lahtora** (Sykes) (63.3; 82.107; 88.12)
2. **L. schach erythronotus** (Vigors) (82.4; 82.10 ?)
3. **L. vittatus** Valenciennes (17 31; 82.26)

Family (iv) : ORIOLIDAE

1. **Oriolus o. kundoo** Sykes (62.1; 82.19)

Family (v) : DICRURIDAE

1. **Dicrurus adsimilis albirictus** (Hodgson) ? (68.29)
2. **D. a. similis macrocerus** Vieillot (17 11; 82.15; 96.4)
3. **D. h. hottentottus** (Linne) (68.37)
- (4) **D. macrocerus**. See XX (v) : 2.
- (5) **D. m. peninsularis**. See XX (v) : 1.

Family (vi) : STURNIDAE

(Subfamily: STURNINAE)

1. **Acridotheres albicinctus** Godwin - Austen & Walden (96.13)
2. **A. fuscus** Walger (96.2)
3. **A. ginginianus** (Latham) (17 13; 17 17; 96.5; 96.5; 96.18)
4. **A. tristis melanosternus** Legge (96.10)
5. **A. t. tristis** (Linne) (17.8; 17 17; 63.17; 63 19; 68.9 (Error). 96.2; 96.4; 96.18; 101.2 (Error);
- (6) **Pastor roseus** See XX (vi) : 10
- 7 **Sturnus contra superciliaris** Blyth (96.7)
8. **S. malabaricus** (Gmelin) (96.1)
9. **S. pagodarum** (Gmelin) (17.30; 96.18)
10. **S. roseus** (Linne) (17 17; 63.6; 93.2; 96.15; 96.18)
11. **S. sinensis** (Gmelin) (96.19)
- (12). **S. vulgaris humii**. See XX (vi) : 13.
13. **S. vulgaris indicus** Blyth (63.8; 68.12; 93.1; 96.18)
- (14). **Temenuchus pagodarum**. See XX (vi) : 9.

Family (vii) : CORVIDAE

1. **Corvus corax** [corax?] Linne (63.5; 82.2)
- (2) *C. corax laurencei*. See XX (vii) : 4.
3. **C. corax ruficollis** Lesson (82.2)
4. **C. corax subcorax** Severtzov (17.2, 17.3; 17.42; 26.10; 63.5; 68.2; 68.11; 82.6)
- *5. **C. cornix cornix** Linne (17.4; 68.11)
6. **C. corone** [* corone] Linne (17.42)
7. **C. corone orientalis** Eversmann (17.42)
- (8) *C. coronoides intermedius*. See XX (vii) : 13.
9. **C. f. frugilegus** Linne (17.40; 17.42; 62.5; 63.10; 68.11; 68.19; 82.2; 82.4)
- (10) *C. f. tschusii*. See XX (vii) : 9.
11. **C. macrorhynchos** Wagler ssp.? (17.28; 26.10; 68.43; 82.2; 82.9; 82.14;)
12. **C. m. culminatus** Sykes (68.10)
13. **C. m. intermedius** Adams (17.34; 68.16; 68.26)
14. **C. m. levaillanti** Lesson (68.7)
15. **C. monedula** Linne (17.42; 82.14)
16. **C. splendens** Vieillot (17.28; 17.34; 17.42; 26.10; 63.12; 68.4; 68.11; 68.25; 68.39; 82.2; 82.6; 82.16; 82.18)
- *17. **C. [splendens] insolens** Hume (26.10; 68.17; 82.2)
18. **C.s. zugmayeri** Laubmann (17.34)
19. **Dendrocitta formosae himalayensis** Blyth (6.4; 82.13)
- (20) *D. himalayensis*. See XX (vii) : 19.
21. **D. vagabunda pallida** (Blyth) (17.22; 82.13; 82.24)
22. **D. v. parvula** Whistler & Kinnear (6.4; 17.22; 82.13; 87.21)
- (23) *D. v. pollida*. See XX (vii) : 22.
- (24) *D. rufa [vagabunda]*. See XX (vii) : 22.
25. **Garrulus lanceolatus** Vigors (63.13; 82.13)
- (26) *G. glandarius lanceolatus*. See XX (vii) : 25.
- *27. **G. leucotes** Hume (17.25)
- (28) *Graculus graculus*. See XX (vii) : 39.
29. **Kitta erythrorhyncha occipitalis** (Blyth) (6.4; 82.13; 96.7)
30. **K. flavirostris cucullata** (Gould) (17.16)
31. **K. f. flavirostris** (Blyth) (6.4; 68.15; 82.13)
- (32) *Urocissa (e.) occipitalis*. See XX (vii) : 29.
- (33) *U. f. cucullata*. See XX (vii) : 30
- (34) *U. f. flavirostris*. See XX (vii) : 31.
35. **Nucifraga caryocatactes hemispila** Vigors (68.8)
36. **N. c. multipunctata** Gould (17.23; 82.13)
37. **Pica pica bactriana** Bonaparte (17.6; 17.28; 17.42; 82.7; 82.13)

- (38) *Pica rustica*. See XX (vii) : 37.
 39. *Pyrrhonorax g. graculus* (Linne) (17 5; 82.23)

Family (viii) : PYCNONOTIDAE

- (1) *Hypsipetes m. mcClellandi*. See XX (viii) : 2.
 2. *H. virescens mcClellandi* Horsfield (91.8)
 (3) *Molpastes cafer intermedius*. See XX (viii) : 7.
 (4) *M. haemorrhus intermedius*. See XX (viii) : 7.
 (5) *M. l. leucogenys*. See XX (viii) : 10.
 6. *Pycnonotus c. cafer* (Linne) (68.30?; 96.8)
 7. *P. cafer intermedius* Blyth (17 15; 63.7; 82.10)
 8. *P. flavescens* Blyth (68.30 ?)
 9. *P. jocosus* (Linne) (68.30)
 10. *P. l. leucogenys* (Gray) (63 16; 82.10)

Family (ix) : MUSCICAPIDAE

(Subfamily : TIMALIINAE)

- (1) *Argya c. caudata*. See XX (ix) : 16.
 2. *Cutia n. nipalensis* Hodgson (17.20)
 3. *Garrulax a. affinis* Blyth (17 18)
 (4) *G. a. affine*. See XX (ix) : 3.
 5. *G. albogularis albogularis* (Gould) (17.36; 68.22)
 6. *G. a. whistleri* Baker (68.22)
 7. *G. l. leucolophus* (Hardwicke) (68.3)
 8. *G. l. patkaicus* Reichenow (68.28)
 9. *G. lineatus lineatus* (Vigors) (6.4; 17.35; 68.34)
 10. *G. p. pectoralis* (Gould) (17.37; 68.27)
 11. *G. r. ruficollis* (Jardine & Selby) (17.43; 68.6)
 12. *G. squamatu[m]s*. (Gould) (17 12; 68.23)
 13. *G. striatu [m]s sikkimensis* (Ticehurst) (17 1; 17.26; 68.36)
 14. *G. s. subunicolor* (Blyth) (17.4; 17.27; 68.38)
 (15) *Trochalopteron lineatum grisescentor*. See XX (ix) : 9.
 16. *Turdoides c. caudatus* (Dumont) (17.9; 17.32; 68.9; 82.10; 96.6)
 17. *T. earlei* (Blyth) (68.32)
 18. *T. malcolmi* (Sykes) (68.5)
 (19) *T. somervillei*. See XX (ix) : 21.
 20. *T. striatus sindianus* (Ticehurst) (17.32; 68.33; 82.10; 101.2 ?)
 21. *T. striatus somervillei* (Sykes) (17.21; 68.33)
 (22) *T. terricolor terricolor*. See XX (ix) : 20.

(Subfamily : MUSCICAPINAE)

23. **Rhipidura aureola burmanica** (Hume) (101.2. Error)

(Subfamily : SYLVIINAE)

24. **Phylloscopus collybita tristis** Blyth (82.10)
 (25) *P. collybitus tristis*. See XX (ix) : 24.
 (26). *P. nitidus viridanus*. See XX (ix) : 27.
 27. **P. trochiloides viridanus** Blyth (91 1)
 (28). *Seicerus b. burkei*. See XX (ix) : 29.
 29 **S. b. burkii** (Burton) (91 1)

(Subfamily : TURDINAE)

- (30). *Cyanosylvia s. suecica*. See XX (ix) : 32.
 31. **Enicurus m. maculatus** Vigors (63.11)
 32. **Erithacus s. svecicus** (Linne) (82.10; 91 5; 96.2)
 33. **Grandala c. coelicolor** Hodgson (17 14)
 34. **Monticola solitarius longirostris** (Blyth) (91.5)
 (35). *Myiophoneus t. temminckii*. See XX (ix) : 36.
 36. **Myiophonus caeruleus temminckii** (Vigors) (8.3; 17.29; 68.41)
 (32). *M. coerileus temminckii*. See XX (ix) : 36.
 38. **Oenanthe picata** (Blyth) (17.46; 96.12)
 39. **Saxicola caprata** (Linne) (91.6)
 40. **Saxicola torquata indica** (Blyth) (62.1; 80.1).
 41. **Saxicoloides fulicata cambaiensis** (Latham) (17 7; 17.44; 82.10; 96.5)
 42. **Turdus boulboul** (Latham) (68.42)
 43. *T. dauma*. See XX (ix) : 48.
 (44). *T. merula nigropelios*. See XX (ix) : 45.
 45. **T. m. nigropileus** (Lafresnaye) (17.29)
 46. **T. rufcollis atrogularis** Jarocki (17 19; 68.42)
 47. **Zoothera dauma aureus** (Holandre) (6.1)
 48. **Z. d. dauma** (Latham) (6.1; 68.18)
 49. **Z. marginata [parvula Delacour]** (17.45)
 50. **Z. m. monticola** (Vigors) (17 38)

Family (x) : PRUNELLIDAE

1. **Prunella s. strophciata** (Blyth) (91.2)

Family (xi) : MOTACILLIDAE

1. **Anthus godlewskii** (Taczanowski) (91.4)

2. **A. novaeseelandiae richardi** (Viellot (17.10; 72.2; 91.4)
3. **A. n. rufulus** Vieillot (91.4)
- (4) **A. richardi rufulus** sensu Ansari. Probably **XX** (ii): 2.
5. **A. s. similis** Jerdon (91.4)
6. **Motacilla alba dukhunensis** Sykes (68.14; 82.10)

Family (xii) : NECTARINIDAE

1. **Nectarina a. asiatica** (Latham) (82.22)

Family (xiv) : PLOCEIDAE

(Subfamily : PASSERINAE)

- (1) **Passer domesticus indicus** Jardine & Selby (17.39; 63.26; 68.31; 82.10; 101.2 (Error)
2. **Petronia x. xanthicollis** (Burton) (17.10; 72.4; 96.11)
- (3). **Gymnor[h]is x. xanthicollis**. See **XX** (xiv) : 2.

(Subfamily : PLOCEINAE)

4. **Ploceus philippinus burmanicus** Ticehurst (72.3)

(Subfamily : ESTRILDINAE)

- (5). **Amandava amandava**. See **XX** (xiv) : 6.
6. **Estrilda amandava** (Linne) (68.1)
7. **Lonchura malabarica** (Linne) (17.44; 68.40; 72.1)
8. **L. punctulata** (Linne) (68.13)

Family (xv) : FRINGILLIDAE

(Subfamily : CARDUELINAE)

1. **Acanthis flavirostris** (Linne) sp. (?) (91.2)
2. **Leucosticte brandti** Bonaparte (91.3)
- (3). **Montifringilla brandti**. See **XX** (xv) : 2.

Family (xvi) : EMBERIZIDAE

1. **Emberiza a. aureola** Pallas (91.2)
2. **E. bruniceps** Brandt (82.10; 82.27)
3. **E. cia** par Hartert (91.6)
4. **E. c. yunnanensis** Sharpe (91.6)

B. CLASS MAMMALIA**ORDER I M : MARSUPIALIA****Family (i) : MACROPODIDAE****(Subfamily : MACROPODINAE)**

- *1. **Macropus rufus** (Desmarest) (16.1)

ORDER II M : CARINVORA**(Suborder : FISSIPEDA)****Family (i) : CANIDAE**

1. **Canis familiaris** Linne (51.1; 98.1) (Domestic dog)
- *2. **Cuon javanicus** (Desmarest) (35.5)
- (3) **Cyon** [alpinus] *duchunensis*. See II M (i) : 2.
- (4) **Cyon** *duchunensis*? See II M (i) : 2.
5. **Vulpes bengalensis** Shaw (98.1)

Family (ii) : MUSTELIDAE**(Subfamily : LUTRINAE)**

- *1. **Lutra pruneri** (Error). See I M (i) : 1.

(Subfamily : MUSTELINAE)

2. **Martes flavigula** (Boddaert) (98.2)
3. **Mustela sibirica** Pallas (98.3)

Family (iii) : VIVERRIDAE**(Subfamily : PARADOXURINAE)**

1. **Paguma larvata grayi** (Bennett) (45.1)
- (2) **Paradoxurus grayi**. See (ii) M (iii) : 1.

(Subfamily : HERPESTINAE)

3. **Herpestes auropunctatus** Hodgson (45.2)
4. **H. edwardsi** (Geoffroy) (45.2)

Family (iv) : FELIDAE

11 (Subfamily : FELINAE)

1. *Felis catus* Linne (45.3) (Domestic cat)

ORDER III M : PROBOSCIDEA

Family (i) : ELEPHANTIDAE

1. *Elephas maximus ceylonicus* (Blainville) (49.1)
2. *E. m. maximus* Linne (49.1)

ORDER IV M : PERISSODACTYLA

Family (i) : EQUIDAE

(Subfamily : EQUINAE)

- *1. *Equus asinus* Linne (34.4)
2. *E. caballus* Linne (34.4) (Domestic horse)
3. *E. caballus* X *E. asinus* (34.4) (Mule)

ORDER V M : ARTIODACTYLA

Family (i) : CERVIDAE

(Subfamily : CERVINAE)

1. *Axis axis* Erxleben (35.5)

(Subfamily : MUNTIACINAE)

1. *Muntiacus muntzak* (Zimmermann) (34.7; 34.9)

Family (ii) : BOVIDAE

(Subfamily : BOVINAE)

- *1. *Bos indicus* Linne (34.1)
2. *B. taurus* Linne (34.1) (Domestic cattle)

(Subfamily : CAPRINAE)

1. *Capra hircus* Linne (34.2; 34.8; 34.10)
- (2) *Hemitragus jemlahicus*. See V M (ii) : 3.
3. *H. jemlaicus* (Hamilton & Smith) (34.6)
4. *Nemorhaedus goral* (Hardwicke) (34.3)

PART III : REGIONAL INDEX

AFGHANISTAN :

17.2; 17.3; 17.6; 17.40; 17.41; 26.5; 36.9; 36.13; 37.5; 48.2;
48.3; 48.8; 48.11; 48.14; 65.1; 66.2; 68.26; 68.41; 79.2; 91.2; 91.5;
91.6;

ASIA (EAST) :

87.28;

ASIA (GENERAL) :

87.22;

ASIA (SOUTH EAST) :

60.2; 63.15.

BANGLADESH :

7.2; 26.10; 48.30; 68.37; 68.43; 82.9.

BHUTAN :

7.4; 27.7; 48.8; 68.6.

BURMA :

1.1; 2.8; 2.14; 6.1; 6.4; 7.1; 11.2; 17.22; 17.25; 17.28; 22.1;
24.6; 25.2; 26.7; 26.8; 26.10; 26.15; 26.36; 26.39; 27.4; 31.3; 35.9;
36.1; 36.7; 36.8; 36.11; 36.13; 44.1; 45.1; 48.8; 48.10; 48.21;
48.22; 48.29; 48.31; 48.34; 49.1; 51.1; 58.6; 60.1; 60.2; 60.5; 60.8;
64.6; 67.1; 68.7; 68.17; 68.27; 68.28; 74.2; 76.5; 76.6; 79.1; 82.2;
87.16; 89.1; 89.5; 89.9; 91.4; 92.1.

CHINA :**(YUNNAN) :**

26.35; 48.21; 48.24; 59.1; 89.1; 89.10; 91.6.

CHINA (FOLKIEN)

89.1.

(SZECHWAN) :

2.2; 26.35; 48.16; 48.34; 60.6; 89.1; 89.2; 89.10.

TIBET :

2.2; 17 5; 48.7; 48.24; 50.3; 59.1; 60.3; 87 1; 89.6.

INDIA :

1.2; 2.2; 2.3; 2.4; 2.5; 2.6; 2.8; 2.9; 2.11; 2.13; 2.15; 2.17
 3.3; 4.2; 6.1; 6.4; 7.2; 7.3; 7.4; (?) 7.5 (?) 8.1; 8.2; 8.3; 8.4; 8.5;
 9.2; 9.3; 10.1; 11 1; 11.3; 11.4; 11.7; 11.8; 11.9; 11.10; 11 11;
 12.1; 12.2; 13.1; 13.4; 13.5; 14.1 (?); 16.1; 17 1; 17.4; 17.5; 17.6;
 17.12; 17 14; 17 16; 17 18; 17 19; 17.20; 17.21; 17.22; 17.23; 17.24;
 17.25; 17.26; 17.28; 17.29; 17.33; 17.34; 17.36; 17.37; 17.38; 17.39;
 17.41; 17.42; 17.43; 17.45; 19.2; 19.3; 20.3; 21 1; 22.1; 22.2;
 23.1; 24.1 24.3; 24.5; 24.6; 25.1; 25.2; 25.3; 25.6; 25a.1; 25a.2;
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 26.18; 26.20; 26.22; 26.23; 26.24; 26.25; 26.26; 26.27; 26.28;
 26.29; 26.31 (?); 26.34; 26.37; 26.39; 26.40; 26.41; 27.2; 27.3;
 27.4; 27 5; 27.6; 27 7; 27.9; 27 11; 29.3; 29.4 (?); 29.6; 30.1; 31.2;
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 35.7; 35.10; 36.1; 36.2; 36.3; 36.4; 36.5; 36.10; 36.12; 36.13;
 37.1; 37.2; 37 3; 37 5; 39.1 (?); 39.2; 40.1; 40.2; 41 1; 42.1;
 42.2; 43.1; 43.2; 43 3; 43.4; 43 5; 43.6; 43.7; 46.1; 47.1; 47.2;
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 48.11; 48.12 (?); 48.14; 48.15; 48.17; 48.20; 48.22; 48.23; 48.24;
 48.26; 48.27; 48.28; 48.29; 48.30; 48.31; 48.32; 48.33; 48.34; 48.35;
 48.37; 49.1; 50.1; 50.2; 50.3; 50.5; 51 1; 53.2; 53.4; 54.1; 54.3;
 54.4; 55.1; 56.1; 57 2; 57 3 (?); 57.4; 58.6; 58.8; 58.10; 59.1; 59.2;
 60.2; 60.4; 60.7; 69.9; 60.10; 61.2; 61.4; 61.5; 63.2; 63.5; 63.12;
 63.13; 63.16; 63.18; 63 19; 63.20; 64.1; 64.5; 66.1; 67.3; 67.4;
 68.1; 68.3; 68.5; 68.6; 68.7; 68.9; 68.10; 68.11; 68.12; 68.13; 68.14;
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 80.2; 82.1; 82.7; 82.8; 82.13; 82.14; 82.22; 82.23; 83.1; 84.1; 85.1;
 85.2; 85.4; 85.5; 85.6; 85.7; 87 1; 87.2; 87.3; 87.4; 87.5; 87.7;
 87.9; 87 10; 87.12; 87 16; 87.20; 87.21; 87.25; 87.26; 87.27; 88.2;
 88.3; 88.4; 88.5; 88.6; 88.7; 88.8; 88.9; 89.1; 89.3; 89.3a; 89.4;
 89.5; 89.7; 89.8; 89.9; 90.1; 91.2; 91.3; 91.4; 91.5; 91.6; 92.1;
 92.2; 94. 1; 94.3; 94.7; 95.1; 96.1; 96.4; 96.5; 96.7; 96.13; 96.15;
 96.19; 97 1; 97.2; 97.4; 97 6; 97 7; 98.1; 99.2; 99.5; 100.1; 101.1;
 101.2; 102.2.

NEPAL :

6.4; 17 16; 17 18; 17.22; 17.28; 17.34; 17.36; 18.1; 22.1; 22.2;
 25.2; 26.34; 26.39; 27.4; 27.5; 27.10; 33.5; 35.1; 35.3; 35.5;

35.6; 35.8; 36.1; 36.7; 36.8; 36.12; 36.13; 37.3; 40.1; 45.2; 47 7;
 47.8; 48.8; 48.17; 48.22 (?); 48.29; 48.31 (?); 48.32 (?); 48.35; 51 1;
 53.1; 53.3; 60.5; 60.10; 63.5; 64.1; 67.1; 68.13; 68.22; 68.25; 68.42;
 82.14; 82.18; 87.7; 87 15; 87.23; 87.28; 88.9; 90.1; 91.1; 91.4;
 91.8; 92.1; 96.1; 96.2; 96.4; 96.11; 96.19; 98.1; 98.2; 98.4; 99.5;
 100.1.

PAKISTAN :

2.12; 2.15; 2.17; 3.1; 3.3; 4.1; 5.1; 5.2; 5.3; 6.4; 8.3; 8.6;
 8.7; 9.1; 9.4; 11.6; 13.2; 13.3; 13.6; 13.7; (?); 17.2; 17 7; 17.8;
 17.9; 17.10; 17 11; 17 13; 17 15; 17.17; 17.22; 17.30; 17.31; 17.32;
 17.34; 17.35; 17.42; 17.44; 17.46; (?); 19.1; 20.1; 20.2; 21.2; 21.3;
 24.1; 25.5; 26.10; 26.11; 26.31 (?); 26.41; 26.42; (?); 27.2; 27.8;
 27.12; 29.1; 29 5; 29.6; 29.7; 31 1; 31.2; 31.7; 32.1; 32.2; 32.3;
 33.8; 33.9; 34.1; 35.2; 35.4; 36.1; 36.5; 36.9; 36.13; 38.1; 43.8;
 45.3; 46.1; 47 5; 48.2; 48.3; 49.1; 52.1; 55.1; 57.4; 57.5; 58.6;
 58.8; 60.2; 60.12; 61 1; 61.2; 61.3; 61.4; 62.1; 63.1; 63.3; 63.4;
 63.5; 63.8; 63.9; 63.10; 63.11; 63.12; 63.17; 63.18; 64.2; 68.2;
 68.4; 68.8; 68.9; 68.29; 68.31; 68.32; 68.33; 68.39; 68.40; 71 1;
 71.2; 72.1; 72.2; 72.4; 74.1; 74.2; 75.1; 78.1; 80.1; 82.1; 82.2;
 82.3; 82.4; 82.6; 82.7; 82.10; 82.12; 82.13; 82.15; 82.16; 82.18;
 82.19; 82.24; 82.26; 82.27; 84.1; 87 11; 87 13; 87.14; 87.17; 87 18;
 87.19; 87.20; 87.24; 91.6; 93.1; 93.2; 94.4; 94.5; 94.8; 94.9; 94.10;
 96.2; 96.3; 96.4; 96.5; 96.6; 96.8; 96.9; 96.12; 96.15; 96.16; 96.17;
 96.18; 97 3; 97.4; 97 5; 98 1; 99.1; 99.4; 99.5; 101 1; 102.2.

SOUTH INDIAN OCEAN :

81.1.

SOUTH SEAS :

79.4.

SRI LANKA :

1.1; 1.3; 2.8; 2.10; 2.13; 2.15; 15.1; 22.1; 26.2; 26.17; 26.20;
 26.21; 26.24; 26.39; 27.4; 28.1; 33.8; 36.5; 36.11; 36.13; 37 1;
 37.3; 37 5; 39.2; 42.2; 48.15; 51.1; 58.6; 60.2; 64.1; 64.3; 68.10;
 70.1; 85.3; 88.7; 88.9; 90.1; 91.4; 92.2; 96.10; 99.2.

RUSSIA : KASHGAR (TURKESTAN) :

87.27.