

OCCASIONAL PAPER NO. 284

**A Check-list of Hover-flies
(Diptera : Syrphidae)
of Eastern Himalayas**

**BULGANIN MITRA
M. MUKHERJEE
D. BANERJEE**



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**RECORDS
OF THE
ZOOLOGICAL SURVEY OF INDIA**

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INTRODUCTION

The members of the family Syrphidae, commonly called flower flies or hover flies, range from 4 mm to over 25 mm in size. Their coloration varies from bright yellow or orange to dull dark black or gray with a few iridescent forms. The color and movements of most species mimic bees or wasps. They are either stout-bodied or covered with hair, resembling bumble bees, or boldly patterned with yellow, orange and black, resembling wasps or honey bees. The adults are characterized by a sharp down curving of wing vein R_{4+5} . The economic importance of flower flies are great as adults are pollinators of major significance and larvae are important predators of many pests.

The Eastern Himalayan region of India is one of the most spectacular landscapes. It comprises the State of Sikkim, the northern extent of the state of West Bengal i.e. Darjeeling district; and the northeastern states of Assam (part), Arunachal Pradesh, Manipur, Mizoram, Tripura, Meghalaya and Nagaland (Alfred *et al.*, 2001; Ahmed *et al.*, 1990).

Knowledge of the syrphid fauna of the Eastern Himalayan Region is poor. The literature on the flower flies of this region is diffuse and scatteredly published in the state fauna series of the Zoological Survey of India. By many measures of biodiversity, the Eastern Himalayas stands out as being globally important and also one of the hotspots in India. But there are no monographic studies on the syrphid fauna of the Eastern Himalayas.

A perusal of literature reveals that Brunetti (1907, 1908, 1915, 1923), Joseph (1967), Joseph & Rao (1972 a & b), Joseph & Parui (1973, 1977), Joseph & Ray (1976), Knutson *et al.* (1975), Datta & Chakraborty (1985), Datta (1998, 2003), Datta *et al.* (1997, 2000), made some contributions on the syrphid fauna of Eastern Himalaya. Recently, Mukherjee, *et al.* (2006) published the fauna of family Syrphidae from the states of Arunachal Pradesh and Nagaland. But no comprehensive information of the family Syrphidae of north-east India as well as from Eastern Himalaya is available. The present check-list is to full fill this gap.

The family Syrphidae is divided into 3 subfamilies and 15 tribes and contains more than 5,500 described species in the World of which 264 species and 5 subspecies under 62 genera of 2 subfamilies are reported from India. The present check-list reports 150 species of 50 genera under 15 tribes belonging to 2 subfamilies of hover flies (published & unpublished) from the Eastern Himalayan region of India.

SYSTEMATIC ACCOUNT

Subfamily SYRPHINAE

Tribe SYRPHINI

Genus *Allograpta* Osten Sacken

1875. *Allograpta* Osten Sacken, *Bull. Buffalo Soc. nat. Sci.*, 3 : 49.

Type-species : *Scaeva obliqua* Say

1. *Allograpta javana* (Wiedemann)

1824. *Syrphus javanas* Wiedemann, *Analecta Ent.*, : 34.

Type-locality : Java.

Distribution : India : Arunachal Pradesh (East Siang district : Rotung), Assam (Sadiya, Kobo), Karnataka, Manipur (Imphal district; Bishnupur district), Meghalaya (West Garo Hills district), Mizoram, Sikkim (North Sikkim district, Ghoombhanjan), Tamil Nadu, Tripura (South Tripura district : Birchandra nagar, Sabrum, Manughat), West Bengal (Darjeeling district : Mirik, Kalimpong, Rangit Tea estate, Tunthang khola, Sukna).

Elsewhere : Oriental; Palaeartic; Australian.

2. *Allograpta maculipleura* (Brunetti)

1913. *Syrphus maculipleura* Brunetti, *Rec. Indian Mus.*, 8 : 162.

Type-locality : Rotung, NEFA, India

Distribution : India : Arunachal Pradesh (East Siang district : Rotung), (?) Assam.

Elsewhere : Oriental.

Genus *Asarkina* Macquart

1842. *Asarkina* Macquart, *Dipt. exot.*, 2(2) : 77(137).

Type-species : *Scaeva rostrata* Wiedemann.

3. *Asarkina (Asarkina) ericetorum* (Fabricius)

1781. *Syrphus ericetorum* Fabricius, *Spec. Insect.*, 2 : 425.

Type-locality : Africa aequinoctial.

Distribution : India : Arunachal Pradesh (Zemithang, Tawang district, Ganga lake, Itanagar), Assam, Chandigarh, Gujarat, Jammu and Kashmir, Manipur (Churachandpur district : Sielmat, Lahngjo), Meghalaya (Ri-Bhoi district : Nongpoh; Jaintia Hills district : Jarain, East Khasi Hills district : Cherrapunji), Mizoram (Aizwal district : Dampa), Nagaland (Akhotola), Sikkim (Ghoombhanjan, East Sikkim district; North Sikkim district), Tamil Nadu, Tripura (South Tripura district : Jalefa, Sabrum, Kanthalchhari; North Tripura district : Kumarghat), Uttaranchal, West Bengal (Darjeeling district : Tumthang khola, Rongli Tea estate).

Elsewhere : Oriental; Australian, Ethiopian.

Genus *Betasyrphus* Matsumura

1917. *Betasyrphus* Matsumura, *Ent. Mag. Kyoto.*, 2: 143.

Type-species : *Syrphus serarius* Wiedemann

4. *Betasyrphus serarius* (Wiedemann)

1830. *Syrphus serarius* Wiedemann, *Aussereurop. zweifl. Insekt.*, 2 : 128.

Type-locality : China.

Distribution : India : Arunachal Pradesh (Siang, Lohit districts), Assam, Bihar, Karnataka, Manipur, Meghalaya (Ri-bhoi district, East Khasi Hill district), Mizoram (Champai, Seling) Nagaland (Kohima district; Mokokchung district), Sikkim (East Sikkim district; North Sikkim district), Uttar Pradesh, Uttaranchal, West Bengal (Darjeeling district : Sonada, Kalimpong, Kurseong).

Elsewhere : Oriental; Palearctic; Australian.

Genus *Citrogramma* Vockeroth

1969. *Citrogramma* Vockeroth, *Mem. ent. Soc. Can.*, 62 : 92.

Type-species : *Syrphus harvebazini* Curran.

5. *Citrogramma citrinum* (Brunetti)

1923. *Xanthogramma citrinum* Brunetti, *Fauna Br. India, Dipt.*, 3 : 95.

Type-locality : Mangaldai, Assam.

Distribution : India : Assam (Mangaldai), Karnataka, Manipur (Ukhrul district), Meghalaya (East Khasi Hill district : Pynursla), West Bengal.

Elsewhere : Oriental.

Genus *Dasysyrphus* Enderlein

1938. *Dasysyrphus* Enderlein, *Sber. Ges. Naturf. Freunde Berl.* pp ??

Type-species : *Scaeva albostrata* Fallén

6. *Dasysyrphus brunettii* (Herve-Bazin)

1924. *Syrphus brunettii* Brunetti, *Annls Soc. Ent. Fr.* 92 : 290 (*Syrphus*; n. name for *albostratus* of Brunetti, not Fallen).

Type-locality : Mundali, Dehradun, Matiana, Simla; Darjeeling and Kurseong.

Distribution : India : Himachal Pradesh, Uttaranchal, West Bengal (Darjeeling district).

Elsewhere : Oriental.

7. *Dasysyrphus orsua* (Walker)

1852. *Syrphus orsua* Walker, *Insecta Saundersiana*, 1 : 231.

Type-locality : East Indies.

Distribution : India : West Bengal (Darjeeling district)

Elsewhere : Oriental

Genus *Didea* Macquart

1834. *Didea* Macquart, *Hist. nat. Ins. Dipt.* 1 : 508.

Type-species : *Didea fasciata* Macquart

8. *Didea fasciata* Macquart

1834. *Didea fasciata* Macquart, *Hist. nat. Ins. Dipt.* 1 : 508.

Type-locality : Paris, France.

Distribution : India : (?)Assam, Meghalaya (East Khasi Hills district : Shillong,).

Elsewhere : Oriental; Palaeartic.

Genus *Dideoides* Brunetti

1908. *Dideoides* Brunetti, *Rec. Indian Mus.*, 2 : 54.

Type-species : *Dideoides ovatus* Brunetti

9. *Dideoides kempi* Brunetti

1923. *Dideoides kempi* Brunetti, *Fauna Br. India, Dipt.*, 3 : 59.

Type-locality : Tura, Garo hills, India

Distribution : India : Meghalaya (Ri-bhoi district; West Garo Hills district).

Elsewhere : Not reported.

10. *Dideoides ovatus* Brunetti

1908. *Dideoides ovatus* Brunetti, *Rec Indian Mus.*, 2 : 54.

Type-locality : Sikkim, India.

Distribution : India : Meghalaya (East Khasi Hills district : Mawphlang.), Sikkim (East district : Gangtok), and West Bengal (Darjeeling district : Rangiroom).

Elsewhere : Oriental.

11. *Dideoides tigrinus* (Bigot)

1885. *Ischyrosyrphus tigrinus* Bigot, *Annl. Soc. ent. Fr.*, (6)5 : 249.

Type-locality : India.

Distribution : India : Meghalaya (Ri-bhoi district).

Elsewhere : Not reported.

Genus *Dideopsis* Matsumura

1917. *Dideopsis* Matsumura, *Ent. Ent. Mag. Kyoto*. 2 : 142.

Type-species : *Eristalis aegrotus* Fabricius

12. *Dideopsis aegrotus* Fabricius

1805. *Dideopsis aegrotus* Fabricius, *Syst. Antliat.* : 243.

Type-locality : China.

Distribution : India : Arunachal Pradesh, Assam (Sadiya), Manipur (Churachandpur district : Tuibuanga), Meghalaya (East Khasi Hills district; West Garo Hills district : Songkhama.), Mizoram, Sikkim (East), Tripura (South Tripura district : Siphahijhola; West Tripura district : Jampujhola), West Bengal (Darjeeling district : Kalimpong, Rayang).

Elsewhere : Oriental; Australian.

Genus *Epistrophe* Walker

1852. *Epistrophe* Walker, *Insecta Saundersiana*, 3 : 242.

Type-species : *Epistrophe conjungens* Walker = *Syrphus grossulariae* Meigen

Subgenus *Epistrophe* Walker13. *Epistrophe (Epistrophe) griseocincta* (Brunetti)

1923. *Syrphus griseocinctus* Brunetti, *Fauna Br. India, Dipt.*, 3 : 77.

Type-locality : Bogarkote, Kumaon.

Distribution : India : Meghalaya (East Khasi Hills district) Tripura (South Tripura district : Jalefa), Uttar Pradesh (?), Uttaranchal, Western Himalaya.

Elsewhere : Not reported.

Subgenus *Epistrophella* Dusek and Laska

1967. *Epistrophella* Dusek and Laska. *Prirodov. Pr. Cesk. Akad. Ved.* 1 : 368.

Type-species : *Syrphus euchromus* Kowarz

14. *Epistrophe (Epistrophella) horishana* (Matsumura)

1917. *Syrphus horishana*, *Ent. Mag. Kyoto*, 3 : 24.

Type-locality : Philippines.

Distribution : India : Meghalaya (East Khasi Hills district) and West Bengal (Darjeeling district : Kalimpong).

Elsewhere : Oriental; Palaeartic.

Genus *Episyrphus* Matsumura & Adachi

1917. *Episyrphus* Matsumura & Adachi, *Ent. Mag. Kyoto*, 2 : 134.

Type-species : *Musca balteata* De Geer

15. *Episyrphus balteatus* (De Geer)

1776. *Musca balteata* De Geer, *Mem. pour. serv. Hist. Ins.*, 6 : 116.

Type-locality : Europe.

Distribution : India : Arunachal Pradesh (Lower Subansiri district : Ziro, Hapoli, Pine Bihar, West Kameng : Salari, East Siang district : Along, Rotung, Ghumin basti), Assam (Sadiya, Dibrugarh), Himachal Pradesh, Jammu and Kashmir, Karnataka, Kerala, Manipur (Imphal district : Mahabali Temple, Imphal, Uchathol, Thoubal district : Waithou, Bishnupur district : Loktak, Sendra, Moirang; Churachandpur district : Churachandpur, Sielmat, Lahngjo,

Tuibunga), Meghalaya (Jaintia hills district : Shangpung, East Khasi hills district : Mawphlang, West Khasi Hills district : Nongstoin), Mizoram (Manpui, Lawngtlai, Zobawk, Maat, Dosanagar, Lunglei, Champai, Kelking, Champhal, Buang, manbuang, Aizwal, Pyther village, lalan, Phairuang, Rotlang, Twanpui, Chatlang, Chimtaiphus), Nagaland (Mokokchung district : Yisemyong; Kohima district : Phulebadge), Orissa, Sikkim (South district : Damthang, Jorthang; East Sikkim district : Ranipool, Rangpo, Gangtok, Tosi view point; North Sikkim district : Phensang, and West Sikkim Phungla, Samsing, Neora valley), Tamil Nadu, Tripura (West Tripura district : Badarghat; South Tripura district : Kanthalchhari, Sabroom, Dolbari, Jalefa, Manughat; North Tripura district : Anandabazar), Uttaranchal, West Bengal (Darjeeling district : Kalimpong, Lloyd's Botanical garden, Kurseong, Lava, Rangiroom, Mirik, Lepchajagat).

Elsewhere : Oriental; Australian; Palaeartic.

Genus *Eriozona* Schiner

1860. *Eriozona* Schiner, *Wien. Ent. Mschr.* 4 : 214.

Type-species : *Syrphus oestriformis* Meigen

16. *Eriozona analis* Kertész

1901. *Eriozona analis* Kertész, *Termeszetr. Fuz.*, 24 : 414.

Type-locality : Sikkim, India.

Distribution : India : Sikkim (South and East)

Elsewhere : Nepal.

Genus *Ischiodon* Sack

1913. *Ischiodon* Sack, *Ent. Mitt.*, 2 : 5.

Type-species : *Ischiodon trochanterica* Sack (= *Scaeva scutellaris* Fabricius)

17. *Ischiodon scutellaris* (Fabricius)

1805. *Scaeva scutellaris* Fabricius, *Syst. Antliat* : 252.

Type-locality : Tranquebar (Tamil Nadu), India.

Distribution : India : Arunachal Pradesh, Andhra Pradesh, Assam (Sadiya), Chandigarh, Delhi, Jammu and Kashmir, Karnataka, Kerala, Madhya Pradesh, Manipur (Churandpur district : Churachandpur; Bishnupur district), Meghalaya (East Garo hills district : Dainadubi), Orissa, Punjab, Rajasthan, Sikkim (West district : Dharamdin) Tripura (South Tripura district : Kanthalchhari, Sabroom, Dolbari, Birchandranagar, Manughat) Uttaranchal, West Bengal.

Elsewhere : Oriental; Australian; Palaeartic.

Genus *Meliscaeva* Frey

1946. *Meliscaeva* Frey, *Notul ent.*, **25** : 164.

Type-species : *Scaeva cinctella* Zetterstedt

18. *Meliscaeva cinctella* (Zetterstedt)

1843. *Syrphus cinctellus* Zetterstedt, *Dept. Scandinaviae*, **2** : 742.

Type-locality : Europe.

Distribution : India : Himachal Pradesh, Meghalaya (East Khasi hills district), Sikkim (North district) and West Bengal

Elsewhere : Oriental; Palaeartic.

19. *Meliscaeva darjeelingensis* Datta & Chakraborti

1986. *Meliscaeva darjeelingensis* Datta & Chakraborti, *Opusc. Zool. Flumin.*, **6** : 4.

Type-locality : Darjeeling, India.

Distribution : India : West Bengal (Darjeeling district : Lloyd's botanical garden)

Elsewhere : Not reported.

Genus *Metasyrphus* Matsumura

1917. *Metasyrphus* Matsumura, *Ent. Mag. Kyoto.*, **2** : 147.

Type-species : *Scaeva corrolae* Fabricius

Subgenus *Metasyrphus* Matsumura20. *Metasyrphus (Metasyrphus) confrater* (Wiedemann)

1830. *Syrphus confrater* Wiedemann, *Ausseurop zweifl. Insekt.*, **2** : 120.

Type-locality : China.

Distribution : India : Arunachal Pradesh, Assam (Jorhat), Bihar, Himachal Pradesh, Manipur, Meghalaya (Ri-bhoi district; East Khasi hills : Mawphlang, Sikkim, (South district : Damthang), Uttar Pradesh, West Bengal (Darjeeling district : Kalimpong, Lloyd's botanical garden).

Elsewhere : Oriental; Palaeartic.

21. *Metasyrphus (Metasyrphus) corollae* (Fabricius)

1794. *Scaeva corollae* Fabricius, *Ent. Syst.*, 4 : 306.

Type-locality : Killiac.

Distribution : India : Arunachal Pradesh, Meghalaya (East Khasi Hills district), Uttaranchal, West Bengal (Darjeeling district : Lloyd's botanical garden, Sukhia pokhri).

Elsewhere : Oriental; Ethiopian; Palearctic.

22. *Metasyrphus (Metasyrphus) latifasciatus* (Macquart)

1829. *Syrphus latifasciatus* Macquart, *Ins. Dipt. N. Fr.* 4 : 94 (242).

Type-locality : Arras, France.

Distribution : India : Arunachal Pradesh (Salari, West Kameng), Nagaland (Kohima district), Himachal Pradesh, Uttaranchal

Elsewhere : Not reported.

Genus *Scaeva* Fabricius

1805. *Scaeva* Fabricius, *Syst. Antliat.* : 248.

Type-species : *Musca pyrastris* Linnaeus

23. *Scaeva selenitica* (Meigen)

1822. *Scaeva selenitica* Meigen, *Syst. Besch. europ. zweifl. Insekt*, 3 : 304.

Type-locality : Europe.

Distribution : India : Arunachal Pradesh, Himachal Pradesh, Meghalaya (East Khasi hills district), Sikkim (North district : Yumthang), Uttaranchal.

Elsewhere : Oriental; Palearctic.

Genus *Sphaerophoria* Lepeletier & Serville

1828. *Sphaerophoria* Lepeletier & Serville, *Encycl. meth. (Ins)*, 10(2) : 513.

Type-species : *Musca scripta* Linnaeus

24. *Sphaerophoria assamensis* Joseph

1970. *Sphaerophoria assamensis* Joseph, *Eos Madr.* 45 : 168.

Type-locality : Dunn Bridge, NEFA, India

Distribution : India : Arunachal Pradesh (West Kameng district).

Elsewhere : Not reported.

25. *Sphaerophoria indiana* Bigot

1884. *Sphaerophoria indiana* Bigot, *Annls. Soc. ent. Fr.*, (6)4 : 99.

Type-locality : Indes.

Distribution : India : Arunachal Pradesh (Zemithang, Tawang), Bihar, Himachal Pradesh, Karnataka, Kerala, Maharashtra, Manipur (Thoubal district : Waithou; Chandel district : Moreh; Churachandpur district : Tuibunga), Meghalaya (East Khasi hills district : Shillong), Mizoram, Sikkim (East district : Tadong, Rongpo, Dikchu, Deorali, North district : Rongram, Chungthang, Phensang), Tripura (South Tripura district : Kanthalchhari, Sabroom; North Tripura district : Choraibari), Uttar Pradesh, Uttranchal, West Bengal (Darjeeling district : Kalimpong, Durbin hill, Phaw basti, Rangil Tea estate, Mahanadi, Mirik, Kurseong)

Elsewhere : Oriental; Palaeartic.

26. *Sphaerophoria viridaenea* Brunetti

1915. *Sphaerophoria viridaenea* Brunetti, *Rec. Indian Mus.*, 11 : 216.

Type-locality : Simla

Distribution : India : Himachal Pradesh, Mizoram, Sikkim (East district : North district : Ghoombhanjan, Phungla), West Bengal (Darjeeling district : Lolyd's botanical garden, Tiger hill)

Elsewhere : Not reported.

27. *Sphaerophoria vockerothi* Joseph

1970. *Sphaerophoria vockerothi* Joseph, *Eos Madr.* 45 : 165.

Type-locality : Kimin, NEFA, India

Distribution : India : Arunachal Pradesh (Kimin, Subansiri district).

Elsewhere : Oriental.

Genus *Syrphus* Fabricius

1775. *Syrphus* Fabricius, *Syst. Ent.* : 762.

Type-species : *Musca ribesii* Linnaeus

28. *Syrphus torvus* Osten- Sacken

1875. *Syrphus torvus* Osten- Sacken, *Proc. Boston Soc. Nat. Hist.* **18** : 139.

Type-locality : Canada

Distribution : India : Himachal Pradesh, Sikkim (North Sikkim district : Lachen)

Elsewhere : Oriental, Holarctic.

29. *Syrphus vitripennis* Meigen

1822. *Syrphus vitripennis* Meigen, *Syst. Besch. Zweifl. Insekt.*, **3** : 308.

Type-locality : Europe

Distribution : India : Arunachal Pradesh (Zemithang, Tawang), Sikkim (West Sikkim district)

Elsewhere : Oriental; Palaearctic.

Unplaced species of *Syrphus* Fabricius

30. *Syrphus aeneifrons* Brunetti

1913. *Syrphus aeneifrons* Brunetti, *Rec. Indian Mus.*, **8** : 159.

Type-locality : Between Kalek and Misshing, NEFA, India.

Distribution : India : Arunachal Pradesh.

Elsewhere : Not reported.

31. *Syrphus fulvifacies* Brunetti

1913. *Syrphus fulvifacies* Brunetti, *Rec. Indian Mus.*, **8** : 161.

Type-locality : Rotung, NEFA, India

Distribution : India : Arunachal Pradesh (East Siang district : Rotung), (?)Assam, Himachal Pradesh, Jammu & Kashmir, Uttranchal.

Elsewhere : Oriental.

Remarks : Distribution in Assam is doubtful.

32. *Syrphus isaaci* Bhatia

1933. *Syrphus isaaci* Bhatia, *Indian J. agric. Sci.*, **2** : 566.

Type-locality : Unknown

Distribution : India : Arunachal Pradesh, (?) Assam, Bihar and Uttar Pradesh.

Elsewhere : Oriental.

Remarks : Distribution in Assam is doubtful.

33. *Syrphus remotus* Brunetti

1923. *Syrphus remotus* Brunetti, *Fauna. Br. India. Dipt.*, **3** : 78.

Type-locality : Kufri, Simla, India.

Distribution : India : Arunachal Pradesh (Zemithang, Tawang).

Elsewhere : Not reported.

34. *Syrphus transversus* Brunetti

1913. *Syrphus transversus* Brunetti, *Rec. Indian Mus.* **8** : 160.

Type-locality : Sadiya, Assam

Distribution : India : Assam

Elsewhere : Not reported.

Tribe BACCHINI

Genus *Baccha* Fabricius

1805. *Baccha* Fabricius, *Syst. Antliat.* : 199.

Type-species : *Syrphus elongtatus* Fabricius.

Subgenus *Allobaccha* Curran

1928. *Allobaccha* Curran. *J. fed. Malay St. Mus.*, **14** : 251.

35. *Baccha (Allobaccha) amphithoe* Walker

1849. *Baccha amphithoe* Walker, *List Dipt. Br. Mus.*, **3** : 549.

Type-locality : East Indies/Moullmein.

Distribution : India : Arunachal Pradesh, Assam, Meghalaya (East Khasi hills), Mizoram, Sikkim, Tripura (South Tripura district : Pulikhet, Udaipur), Uttar Pradesh, West Bengal.

Elsewhere : Oriental.

36. *Baccha (Allobaccha) apicalis* Loew

1858. *Baccha apicalis* Loew. *Wien. ent. Mschr.*, 2 : 106.

Type-locality : Japan.

Distribution : India : Meghalaya (East Khasi hills district), Assam, West Bengal

Elsewhere : Oriental; Palaearctic.

37. *Baccha (Allobaccha) dispar* Walker

1860. *Baccha dispar* Walker, *J. Linn. Soc. Lond.*, 4 : 121.

Type-locality : Celebes.

Distribution : India : Arunachal Pradesh.

Elsewhere : Oriental

38. *Baccha (Allobaccha) nigricosta* Brunetti

1908. *Baccha nigricosta* Brunetti, *Rec. Indian Mus.*, 2 : 50.

Type-locality : Bhim tal, Kumaon, India.

Distribution : India : Meghalaya (Ri-bhoi district), Bihar, (?)Uttar Pradesh, Uttaranchal.

Elsewhere : Oriental.

39. *Baccha (Allobaccha) nubilipennis* Austen

1893. *Baccha nubilipennis* Austen, *Proc. Zool. Soc. Lond.*, 1893 : 136.

Type-locality : Kandy, Sri Lanka

Distribution : India : Meghalaya (East Khasi hills district : Shillong; West Garo hills district), Karnataka, Kerala, Tamil Nadu.

Elsewhere : Oriental; Palaearctic.

40. *Baccha (Allobaccha)triangulifera* Austen

1893. *Baccha (Allobaccha) triangulifera* Austen, *Proc. zool. Soc. London*, : 138.

Type-locality : Sri Lanka

Distribution : India : Sikkim (East Sikkim district), West Bengal (Darjeeling district : Sukna. Rangpo)

Elsewhere : Oriental.

Subgenus *Baccha* Fabricius

41. *Baccha (Baccha) maculata* Walker

1852. *Baccha maculata* Walker, *Insecta Saundersiana.*, 1 : 223.

Type-locality : East Indies.

Distribution : India : Arunachal Pradesh, Himachal Pradesh, Meghalaya (East Khasi hills district; West Garo hills district), Uttar Pradesh, West Bengal (Darjeeling district : Tiger hill, Kalimpong, Lebong).

Elsewhere : Oriental; Palaearctic.

Unplaced species of *Baccha* Fabricius

42. *Baccha (?) plumbicineta* Brunetti

1915. *Baccha plumbicineta* Brunetti, *Rec Indian Mus.*, 11 : 122.

Type-locality : Cherrapunji, (Assam) Meghalaya, India

Distribution : India : Meghalaya (East Khasi hills district)

Elsewhere : Not reported.

Tribe MELANOSTOMATINI

Genus *Melanostoma* Schiner

1860. *Melanostoma* Schiner, *Wien. ent. Mschr.*, 4 : 213.

Type-species : *Musca mellina* Linnaeus

43. *Melanostoma orientale* (Wiedemann)1824. *Syrphus orientalis* Wiedemann, *Analecta Ent.*, : 36.*Type-locality* : "Ind. Or."

Distribution : India : Arunachal Pradesh (Kameng, Subansiri, Siang, Lohit, Changlag districts), Assam (Sadiya, Dibrugarh), Himachal Pradesh, Jammu and Kashmir, Karnataka, Manipur (Bishnupur district : Keibul; Churachandpur district : Lahngjo), Meghalaya (East Khasi hills district : Mawphlang; Jaintia hills district : Jowai, Jarain, Sangpung), Mizoram (Chatlang, Zabwak, Phairung, Dosanagar, Champai, Dampa), Nagaland (Kohima district), Sikkim (East Sikkim : Singtam, West Sikkim : Tarku, North Sikkim, South Sikkim : Namchi district,) Tamil Nadu, Tripura (South Tripura district : Kanthalchhari, Sabroom, Jalefa, Manughat) Uttar Pradesh, West Bengal (Darjeeling district : Durbin hill, Topkhana, Kalimpong, Algara, Ranipal, Rangiroom, Mirik).

Elsewhere : Oriental; Palearctic.44. *Melanostoma univittata* (Wiedemann)1824. *Syrphus univittata* Wiedemann, *Analecta Ent.*, : 36.*Type-locality* : "Ind. Or."

Distribution : India : Arunachal Pradesh (Kameng, Subansiri and Lohit districts), Assam (Sadiya, Dibrugarh), Bihar, Karnataka, Kerala, Manipur (Churachandpur district : Lahngjo), Meghalaya (East Khasi hills district), Mizoram (Langtalai, Dampa), Tamil Nadu, Tripura (South Tripura district : Kanthalchhari, Sabroom, Jalefa, Manughat), Sikkim (East Sikkim district : Ranipool), Uttar Pradesh, West Bengal (Darjeeling district : Kalimpong, Sukna).

Elsewhere : Oriental; Australian; Palearctic.Genus *Platycheirus* Lepeletier & Serville1828. *Platycheirus* Lepeletier & Serville, in Latreille *et al.*, *Encycl. Meth. (Ins.)* 10(2) : 513.*Type-species* : *Syrphus scutatus* Meigen.45. *Platycheirus albimanus* (Fabricius)1781. *Syrphus albimanus* Fabricius, *Spec. Insect.*, 2 : 434.*Type-locality* : "Angliac"

Distribution : India : Meghalaya (East Khasi hills district), Himachal Pradesh and West Bengal.

Elsewhere : Oriental; Holarctic.

46. *Platycheirus himalayenseis* Brunetti

1915. *Platycheirus himalayenseis* Brunetti, *Rec Indian Mus.*, **11** : 209.

Type-locality : Garhwal, Uttaranchal.

Distribution : India : Sikkim (North Sikkim district), Uttaranchal.

Elsewhere : Oriental

Tribe CHRYSOTOXINI

Genus *Chrysotoxum* Meigen

1803. *Chrysotoxum* Meigen, *Magazin Insectkunde*, **2** : 275.

Type-species : *Musca bicincta* Linnaeus.

47. *Chrysotoxum baphyrus* Walker

1849. *Chrysotoxum baphyrus* Walker, *List Dipt. Br. Mus.*, **3** : 542.

Type-locality : North Bengal, India.

Distribution : India : Arunachal Pradesh (Subansiri, Siang district : Rotung; Lohit, Changlang), Himachal Pradesh, Jammu & Kashmir, Meghalaya (Ri-bhoi district), Tamil Nadu, Uttar Pradesh and West Bengal.

Elsewhere : Oriental.

48. *Chrysotoxum convexum* Brunetti

1915. *Chrysotoxum convexum* Brunetti, *Rec. Indian Mus.* **9** : 249.

Type-locality : Andarban, Garhwal district, India.

Distribution : India : Mizoram (Lawngtlai, Maibuanga, Aizwal) Uttaranchal

Elsewhere : Not reported.

49. *Chrysotoxum quadrifasciatum* Brunetti

1923. *Chrysotoxum quadrifasciatum* Brunetti, *Fauna Br. India, Dipt.*, **3** : 300.

Type-locality : Khasi hills, Meghalaya, India

Distribution : India : Meghalaya (Ri-bhoi district; East khasi hills district), Sikkim (East Sikkim district : Tadong, Rangpo), West Bengal (Darjeeling district : Rangiroom, Lebong).

Elsewhere : Oriental.

50. *Chrysotoxum violaceum* Brunetti

1923. *Chrysotoxum violaceum* Brunetti, *Fauna Br. India, Dipt.*, 3 : 302.

Type-locality : Sureil, Darjeeling district.

Distribution : India : West Bengal (Darjeeling district : Rangiroom, Sureil).

Elsewhere : Not reported.

Tribe PARAGINI

Genus *Paragus* Latreille

1804. *Paragus* Latreille, *Nouv. Dict. Hist. nat.*, 24 : 94.

Type-species : *Syrphus bicolor* Fabricius

Subgenus *Paragus* Latreille51. *Paragus (Paragus) serratus* (F.)

1805. *Mulio serratus* Fabricius, *Syst. Antliat.* : 186.

Type-locality : (Tranquebar) Tamil Nadu, India.

Distribution : India : Arunachal Pradesh (Subansiri, Tirap), Assam (Sadiya, Dibrugarh), Bihar, Goa, Jammu and Kashmir, Karnataka, Kerala, Maharashtra, Manipur (Imphal district : Harinagar; Chandel district : Moreh; Bishnupur district : Churachandpur district : Tuibuanga), Meghalaya (East khasi hills district : Mawphlang), Mizoram (Dampa. Varegtei, Lalang), Orissa, Punjab, Sikkim (East Sikkim district : Rongpo), Tamil Nadu, Tripura, Uttar Pradesh, West Bengal (Darjeeling district).

Elsewhere : Not reported.

Subgenus *Pandasyophthalmus* Stuckenberg

1954. *Pandasyophthalmus* Stuckenberg, *Revue Zool. Bot. afr.*, 49 : 100.

Type-species : *Paragus longiventris* Loew

52. *Paragus (Pandasyophthalmus) attratus* de Meijere

1906. *Paragus attratus* de Meijere, *Nova Guinea*, 1 : 85.

Type-locality : Manokwari, New Guinea

Distribution : India : Assam (Dibrugarh), Uttar Pradesh

Elsewhere : Oriental

53. *Paragus (Pandasyophthalmus) rufiventris* Brunetti

1913. *Paragus rufiventris* Brunetti, *Rec. Indian Mus.*, 8 : 157.

Type-locality : Mangaldai, Assam-Bhutan Frontier

1983. *Paragus (Pandasyophthalmus) rufiventris* Brunetti : Datta & Chakraborty, *Rec. Zool. Surv. India.*, 81 : 245.

Distribution : India : Arunachal Pradesh (Siang, Tirap), Assam (Mangaldai), Bihar, Jammu and Kashmir, Manipur (Churachandpur district : Tuibuanga), Mizoram (Aizwal), Sikkim (East Sikkim district), Tripura (South Tripura district ; Kanthalchhari, Sabroom, Dolbari, Jalefa, Birchandra nagar), Sikkim (East Sikkim district : Singtam), Uttar Pradesh, West Bengal (Darjeeling district : Topkhana, Ranipool, Kalimpong)..

Elsewhere : Oriental.

54. *Paragus (Pandasyophthalmus) tibialis* (Fallen)

1817. *Pipiza tibialis* Fallen, *Syrphici Sveciae* : 60.

Type-locality : “ Vestergothia,” Sweden.

Distribution : India : Arunachal Pradesh (Kameng, Siang). Bihar, Himachal Pradesh, Jammu and Kashmir, Kerala, Manipur, Meghalaya (East Khasi hills district), Mizoram (Tripura, South Tripura district : Kanthalchhari, Puliket, Dolbari, Birchandrannagar; North Tripura district : Anandabazar; West Tripura district : Badarghat), Uttar Pradesh, West Bengal (Darjeeling district : Lava, Kalimpong).

Elsewhere : Oriental : Cosmopolitan.

Subfamily MILESIINAE

Tribe PIPIZINI

Genus *Triglyphus* Loew

1840. *Triglyphus* Loew, *Isis (Oken's)* 1840 : 512.

Type-species : *Triglyphus primus* Loew

55. *Triglyphus cyaneus* (Brunetti)

1915. *Psilota cyaneus* Brunetti, *Rec. Indian Mus.* **11** : 202.

Type-locality : Gangtok, Sikkim, India

Distribution : India : Sikkim (East Sikkim district), West Bengal

Elsewhere : Not reported

Tribe CHEILOSIINI

Genus *Cheilosia* Meigen

1822. *Cheilosia* Meigen, *Syst. Besch: europ. zweifl. Insekt.*, **3** : 296.

Type-species : *Eristalis scutellatus* Fallén

56. *Cheilosia apicalis* Brunetti

1913. *Cheilosia apicalis* Brunetti, *Rec. Indian Mus.*, **8** : 158.

Type-locality : Rotung, NEFA, India

Distribution : India : Arunachal Pradesh, Assam (?).

Elsewhere : Not reported.

57. *Cheilosia hirticincta* Brunetti

1915. *Cheilosia hirticincta* Brunetti, *Rec. Indian Mus.*, **11** : 204.

Type-locality : Darjeeling, India

Distribution : India : West Bengal (Darjeeling district)

Elsewhere : Not reported.

58. *Cheilosia nigroaenea* Brunetti

1915. *Cheilosia nigroaenea* Brunetti, *Rec. Indian Mus.*, **11** : 204.

Type-locality : Simla, India.

Distribution : India : Himachal Pradesh (Simla district), Sikkim (North Sikkim district)

Elsewhere : Oriental.

Genus *Rhingia* Scopoli

1763. *Rhingia scopoli*, Ent. Carniolica : 358.

Type-species : *Conops rostrata* Linnaeus.

59. *Rhingia binotata* Brunetti

1908. *Rhingia binotata* Brunetti, Rec. Indian Mus., 2 : 59.

Type-locality : Darjeeling, India.

Distribution : India : Assam, West Bengal (Darjeeling district : Rangiroom)

Elsewhere : Oriental.

60. *Rhingia cincta* de Meijere

1904. *Rhingia cincta* de Meijere, Bijdr. Dierk. 18 : 101.

Type-locality : Java.

Distribution : India : Nagaland (Kohima district : Phulebadge), (?)Assam, Meghalaya (East Khasi hills district : Cherrapunji, West Garo hills district), West Bengal.

Elsewhere : Oriental.

61. *Rhingia laticincta* Brunetti

1908. *Rhingia laticincta* Brunetti, Rec. Indian Mus., 2 : 58.

Type-locality : Darjeeling district and Mussorie, India.

Distribution : India : Himachal, Punjab, Uttar Pradesh, West Bengal (Darjeeling district : Lloyd's botanical garden, Kalimpong).

Elsewhere : Oriental.

62. *Rhingia laticincta fasciata* Brunetti

1908. *Rhingia laticincta fasciata* Brunetti, Rec. Indian Mus., 2 : 58.

Type-locality : Darjeeling, India.

Distribution : India : Punjab, West Bengal (Darjeeling district).

Elsewhere : Not reported.

63. *Rhingia sexmaculata* Brunetti

1915. *Rhingia sexmaculata* Brunetti, *Rec. Indian Mus.*, 8 : 166.

Type-locality : Dibrugarh, India.

Distribution : India : Assam (Dibrugarh district : Sadiya)

Elsewhere : Not reported

Tribe VOLUCCELLINI

Genus *Graptomyza* Wiedemann

1820. *Graptomyza* Wiedemann, *Nova Dipt. Gen.*, 16.

Type-species : *Graptomyza longirosteris* Wiedemann

64. *Graptomyza angustimarginata* Brunetti

1923. *Graptomyza angustimarginata* Brunetti, *Fauna Br. India, Dipt.*, 3 : 141.

Type-locality : Tura, Garo hills.

Distribution : India : Meghalaya (West Garo hills district)

Elsewhere : Not reported.

65. *Graptomyza brevirostris* Wiedemann

1820. *Graptomyza brevirostris* Wiedemann, *Nova Dipt. Gen.*, : 17.

Type-locality : Java.

Distribution : India : Arunachal Pradesh (West Kameng district : Salari, East Kameng district : Rotung), Tamil Nadu.

Elsewhere : Oriental.

66. *Graptomyza hardyi* Greene

1949. *Graptomyza hardyi* Greene, *Proc. ent. Soc. Wash.*, 51 : 80.

Type-locality : Misamari, Assam, India.

Distribution : India : Assam

Elsewhere : Not reported

67. *Graptomyza longirostris* Wiedemann

1820. *Graptomyza longirostris* Wiedemann, *Nova. Dipt. Gen.*, : 16.

Type-locality : Java

Distribution : India : Assam

Elsewhere : Oriental

68. *Graptomyza longirostris duodecimnotata* Brunetti

1908. *Graptomyza longirostris duodecimnotata var 12 notata* Brunetti, *Rec. Indian Mus.*, 2 : 63.

Type-locality : Sadiya, India

Distribution : India : Assam

Elsewhere : Not reported

69. *Graptomyza nigripes* Brunetti

1913. *Graptomyza nigripes* Brunetti, *Rec. Indian Mus.*, 8 : 167.

Type-locality : Sadiya, India

Distribution : India : Arunachal Pradesh, Assam (Sadiya), Meghalaya (East Khasi hills district; West Garo hills district), Sikkim (East Sikkim district : Gangtok)

Elsewhere : Oriental.

70. *Graptomyza sexnotata* Brunetti

1908. *Graptomyza sexnotata* Brunetti, *Rec. Indian Mus.*, 2 : 63.

Type-locality : Sikkim, India.

Distribution : India : Meghalaya (East Khasi hills district), Sikkim

Elsewhere : Not reported.

71. *Graptomyza tinctovittata* Brunetti

1915. *Graptomyza tinctovittata* Brunetti, *Rec. Indian Mus.*, 11 : 227.

Type-locality : Sukna, Darjeeling, India.

Distribution : India : West Bengal

Elsewhere : Not reported

72. *Gratomyza ventralis* Wiedemann

1830. *Gratomyza ventralis* Wiedemann, *Aussereurop. zweifl. Insekt.* 2 : 207.

Type-locality : Java

Distribution : India : Arunachal Pradesh (East Siang district : Rotung, Rama camp, West Kameng).

Elsewhere : Oriental.

Genus *Volucella* Geoffrey

1762. *Volucella* Geoffrey, *Hist Insect Paris.* 2 : 540.

Type-species : *Musca pellucens* Linnaeus

73. *Volucella basalis* Brunetti

1908. *Volucella basalis* Brunetti, *Rec. Indian Mus.*, 2 : 61.

Type-locality : Mungphu, Sikkim, India.

Distribution : India : Sikkim

Elsewhere : Not Reported

74. *Volucella discolor* Brunetti

1908. *Volucella discolor* Brunetti, *Rec. Indian Mus.*, 2 : 62.

Type-locality : Sibsagar, India.

Distribution : India : Assam

Elsewhere : Palaearctic

75. *Volucella lividiventris* Brunetti

1908. *Volucella lividiventris* Brunetti, *Rec. Indian Mus.*, 2 : 62.

Type-locality : Sikkim, India.

Distribution : India : Sikkim

Elsewhere : Oriental

76. *Volucella peleterii* Macquart

1834. *Volucella peleterii* Macquart, *Hist. nat. Ins. Dipt.*, 1 : 495.

Type-locality : Java.

Distribution : India : Meghalaya (East Khasi hills district; West Garo hills district)

Elsewhere : Oriental.

77. *Volucella ruficauda* Brunetti

1908. *Volucella ruficauda* Brunetti, *Rec. Indian Mus.*, 2 : 61.

Type-locality : Sikkim, India.

Distribution : India : Sikkim

Elsewhere : Not Reported

78. *Volucella trifasciata* Wiedemann

1830. *Volucella trifasciata* Wiedemann, *Aussereurop. zweifl. Insekt.* 2 : 196.

Type-locality : Java.

Distribution : India : Arunachal Pradesh (Changlang), Meghalaya (Ri-bhoi district), Sikkim (East Sikkim district).

Elsewhere : Oriental.

79. *Volucella ursina* deMeijere

1904. *Volucella ursina* deMeijere, *Bijdr. Dierk.*, 18 : 101.

Type-locality : Darjeeling, India

Distribution : India : West Bengal (Darjeeling district)

Elsewhere : Not Reported

Genus *Orthonerva* Macquart

1829. *Orthonerva* Macquart, *Ins. Dipt. Nord Fr.*, 4 : 40 (188).

Type-species : *Chrysogaster elegans* Meigen

80. *Orthonerva indica* Brunetti

1915. *Orthonerva indica* Brunetti, *Rec. Indian Mus.*, **11** : 203.

Type-locality : Kangra Valley, H. P., India

Distribution : India : Himachal Pradesh, West Bengal (Darjeeling district)

Elsewhere : Not Reported

Tribe CHRYSOGASTERINI

Genus *Sphegina* Meigen

1822. *Sphegina* Meigen, *Syst. Besch. Europ zweifl. Insekt.* **3** : 193.

Type-species : *Milesia clunipes* Fallén

Subgenus *Sphegina* Meigen

81. *Sphegina (Sphegina) asciiformes* Brunetti

1915. *Sphegina (Sphegina) asciiformes* Brunetti, *Rec. Indian Mus.*, **11** : 223.

Type-locality : Darjeeling, India

Distribution : India : West Bengal (Darjeeling district)

Elsewhere : Not Reported

Subgenus *Asiosphegina* Stackelberg

1953. *Asiosphegina* Stackelberg, *Trudy. zool. Inst. Akad. Nauk. SSSR.* **13** : 376.

Type-species : *Sphegina sibirica* Stackelberg

82. *Sphegina (Asiosphegina) bispinosa* Brunetti

1915. *Sphegina bispinosa* Brunetti, *Rec. Indian Mus.*, **11** : 223.

Type-locality : Assam, Darjeeling

Distribution : India : Assam (Margherita), Uttaranchal, West Bengal (Darjeeling district)

Elsewhere : Not Reported

83. *Sphegina (Asiosphegina) javana* de Meijere

1914. *Sphegina (Asiosphegina) javana* de Meijere, *Tijdschr. Ent.* **57** : 166.

Type-locality : Java.

Distribution : India : Arunachal Pradesh (Zemithang, Tawang), West Bengal (Darjeeling district)

Elsewhere : Oriental.

84. *Sphegina (Asiosphegina) tristriata* Brunetti

1913. *Sphegina (Asiosphegina) tristriata* Brunetti *Rec. Indian Mus.* **8** : 165.

Type-locality : NEFA, India

Distribution : India : Arunachal Pradesh, Assam.

Elsewhere : Not reported.

TRIBE SPHEGINOBACCHINI

Genus *Spheginobaccha* de Meijere

1908. *Spheginobaccha* de Meijere, *Tijdschr. Ent.*, **51** : 327.

Type-species : *Sphegina macropoda* Bigot

85. *Spheginobaccha macropoda* (Bigot)

1833. *Sphegina macropoda* Bigot, *Annl. Soc. ent. Fr.*, (6)**3** : 331.

Type-locality : Burma

Distribution : India : Arunachal Pradesh (Changlang district, Meghalaya (Ri-bhoi district), Sikkim (East Sikkim district), West Bengal (Darjeeling district : Rangpo).

Elsewhere : Oriental.

Tribe SERICOMYINI

Genus *Pseudovolucella* Shiraki

1930. *Pseudovolucella* Shiraki, *Mem. Fac. Agric. Taihoku imp. Univ.* **1** : 39.

Type-species : *Pseudovolucella mimica* Shiraki

86. *Pseudovolucella hingstoni* Coe

1964. *Pseudovolucella hingstoni* Coe, *Bull. Br. Mus. Nat. Hist (Ent.)* 15 : 270.

Type-locality : Phadam Chen, Sikkim, India

Distribution : India : Sikkim

Elsewhere : Oriental

Tribe SERICOMYINI

Genus *Sericomyia* Meigen

1803. *Sericomyia* Meigen, *Magazin Insektdkde.*, 2 : 274.

Type-species : *Musca lappona* Linnaeus

87. *Sericomyia eristoloides* Brunetti

1913. *Sericomyia eristoloides* Brunetti, *Rec. Indian Mus.*, 8 : 167.

Type-locality : Between Renging and Rotung, NEFA, India

Distribution : India : Arunachal Pradesh, Assam.

Elsewhere : Not reported.

88. *Sericomyia himalayansis* Brunetti

1908. *Sericomyia himalayansis* Brunetti, *Rec. Indian Mus.*, 2 : 89.

Type-locality : Sikkim, India.

Distribution : India : Sikkim

Elsewhere : Not Reported

Tribe EUMERINI

Genus *Azpeytia* Walker

1865. *Azpeytia* Walker, *J. Linn. Soc. Lond.*, 8 : 113.

Type-species : *Azpeytia scutellaris* Walker

89. *Azpeytia bifascia* Brunetti

1907. *Azpeytia bifascia* Brunetti, *Rec. Indian Mus.*, 1 : 1-5.

Type-locality : Margherita, India.

Distribution : India : Arunachal Pradesh (Changlang district), Assam (Margherita)

Elsewhere : Oriental.

Genus *Eumerus* Meigen

1822. *Eumerus* Meigen, *Syst. Besch. Europ. Zweifl. Insekt.* 3 : 202.

Type-species : Khao Luang, Thailand

90. *Eumerus aeneithorax* Bruenetti

1915. *Eumerus aeneithorax* Bruenetti, *Rec. Indian Mus.*, 11 : 244.

Type-locality : Simla, India.

Distribution : India : West Bengal (Darjeeling district : Kalimpong), Himachal Pradesh

Elsewhere : Not reported.

91. *Eumerus halictoides* Brunetti

1915. *Eumerus halictoides* Brunetti, *Rec. Indian Mus.*, 11 : 242.

Type-locality : Darjeeling, Simla, India.

Distribution : India : West Bengal (Darjeeling district), Himachal Pradesh

Elsewhere : Not reported.

92. *Eumerus nicobarensis* Schiner

1868. *Eumerus nicobarensis* Schiner, *Reise der osterreichischen Fregatte Novara*, Dipt., : 368.

Type-locality : Nicobar

Distribution : India : Assam (Margherita), Jammu & Kashmir, Nicobar, West Bengal

Elsewhere : Oriental

93. *Eumerus pulcherrimus* Brunetti

1915. *Eumerus pulcherrimus* Brunetti, *Rec. Indian Mus.*, 11 : 243.

Type-locality : Kurseong, India.

Distribution : India : West Bengal (Kurseong district)

Elsewhere : Not reported

94. *Eumerus rufoscutellatus* Brunetti

1913. *Eumerus rufoscutellatus* Brunetti, *Rec. Indian Mus.*, 9 : 269.

Type-locality : Darjeeling, India

Distribution : India : West Bengal (Darjeeling district)

Elsewhere : Not reported.

Genus *Merodon* Meigen

1803. *Merodon* Meigen, *Magazin Insektenkde*, 2 : 274.

Type-species : *Syrphus clavipes* F.?

95. *Merodon varicolor* Walker

1857. *Merodon varicolor* Walker, *J. Linn. Soc. Lond.*, 1 : 122.

Type-locality : Sarawak, Borneo

Distribution : India : Meghalaya (West Garo hills district), West Bengal.

Elsewhere : Oriental.

Tribe CERIODINI

Genus *Monoceromyia* Shannon

1922. *Monoceromyia* Shannon, *Bull. Brooklyn ent. Soc.*, 17 : 32.

Type-species : *Ceria tricolor* Loew

96. *Monoceromyia fenestrata* (Brunetti)

1923. *Ceria fenestrata* Brunetti, *Fauna. Brit. India, Dipt.* 3 : 333.

Type-locality : Rangit Valley, Sikkim, India

Distribution : India : Sikkim

Elsewhere : Not reported

97. *Monoceromyia himalayensis* (de Meijere)

1908. *Ceroides himalayensis* de Meijere, *Tijdschr. Ent.* 51 : 198.

Type-locality : Sikkim, India

Distribution : India : Sikkim

Elsewhere : Not reported

98. *Monoceromyia javana* (Wiedemann)

1824. *Ceria javana* Wiedemann, *Analecta Ent.* : 32.

Type-locality : Java

Distribution : India : Arunachal Pradesh (Subansiri, Siang), Assam (Margherita), Karnataka and West Bengal (Darjeeling district).

Elsewhere : Oriental.

99. *Monoceromyia obscura* (Brunetti)

1908. *Monoceromyia obscura* Brunetti, *Rec. Indian Mus.*, 2 : 94.

Type-locality : Sikkim, India.

Distribution : India : Sikkim

Elsewhere : Oriental

100. *Monoceromyia tredecinpunctata* (Brunetti)

1923. *Ceria tredecinpunctata* Brunetti, *Fauna Br. India, Dipt.*, 3 : 336.

Type-locality : Burma, Khasi hills, India

Distribution : India : Assam (?), Karnataka, Kerala, Meghalaya (Ri-bhoi district), Sikkim, Tamil Nadu, Tripura, West Bengal.

Elsewhere : Oriental

101. *Monoceromyia trinotata* de Meijere

1904. *Ceria trinotata* de Meijere, *Bijdr. Dierk.* 18 : 97.

Type-locality : Darjeeling, India.

Distribution : India : West Bengal (Darjeeling district).

Elsewhere : Oriental

Genus *Sphiximorpha* Rondani

1850. *Sphiximorpha* Rondani, *Annl. Soc. Ent. Fr.* (2)8 : 212.

Type-species : *Ceria subsessilis* Illiger

102. *Sphiximorpha fruhstorferi* de Meijere

1908. *Cerioides fruhstorferi* de Meijere, *Tijdschr. Ent.* 51 : 196.

Type-locality : Sikkim, India.

103. *Sphiximorpha triangulifera* (Brunetti)

1913. *Ceria triangulifera* Brunetti, *Rec. Indian Mus.*, 9 : 273.

Type-locality : Darjeeling, India.

Distribution : India : West Bengal (Darjeeling district)

Elsewhere : Not reported.

Tribe ERISTALINI

Genus *Catacores* Hull

1944. *Catacores* Hull, *Ent. News*, 55 : 205.

Type-species : *Axona cyanea* Brunetti

104. *Catacores cyaneus* (Brunetti)

1913. *Axona cyaneus* Brunetti, *Rec. Indian Mus.*, 9 : 272.

Type-locality : Singla, Darjeeling, India.

Distribution : India : Arunachal Pradesh (Changlang district), Meghalaya (West Garo hills district), Sikkim (South Sikkim district : Namchi), West Bengal (Darjeeling district).

Elsewhere : Not reported.

Genus *Eristalinus* Rondani

1845. *Eristalinus* Rondani, *Nuovi Annali Sci. nat. Bologna*, 2(2) : 453.

Type-species : *Musca sepulchralis* Linn.

Subgenus *Eristalinus* Rondani105. *Eristalinus (Eristalinus) arvorum* (Fabricus)

1787. *Syrphus arvorum* Fabricius, *Mantissa Insecta.*, 2 : 335.

Type-locality : China.

Distribution : India : Arunachal Pradesh (Kameng, Subansiri, Changlang), Jammu and Kashmir, Manipur (Bishnupur district : Kangbai; Churachandpur district : Sielmat), Meghalaya (East Khasi hills district : Mawphlang), Mizoram, Orissa, Sikkim (North Sikkim district), Tripura (South Tripura district : Manughat, Sabrum; West Tripura district : Sonamura), West Bengal (Darjeeling district : Kalimpong, Rangiroom Andheri khola)

Elsewhere : Oriental; Australian.

106. *Eristalinus (Eristalinus) laetus* (Wiedemann)

1830. *Eristalis laetus* Wiedemann, *Aussereurop zweifl. Insekt.*, 2 : 192

1986. *Eristalinus (Eristalinus) laetus* (Wiedemann) : Datta & Chakraborti, *Opusc. Zool. flumin.*, 6 : 14.

Type-locality : China.

Distribution : India : Bihar, Jammu and Kashmir, Karnataka, Meghalaya (East Khasi hills district : Shillong), Rajasthan, Tamil Nadu, Tripura (South Tripura district : Kanthalchhari, Manughat, Sabrum), West Bengal (Darjeeling district : Rangiroom).

Elsewhere : Oriental.

107. *Eristalinus (Eristalinus) obscuritarsis* de Meijere

1908. *Eristalinus (Eristalinus) obscuritarsis* de Meijere, *Tijdschr. Ent.*, 51 : 250.

Type-locality : Semarang, Java, Singapore, Malaya; and Bombay, India

Distribution : India : Gujarat, Jammu & Kashmir, Karnataka, Kerala, Maharashtra, Orissa, Sikkim (East Sikkim district), West Bengal

Elsewhere : Oriental.

108. *Eristalinus (Eristalinus) quinquestriatus* (Fabricius)1794. *Syrphus quinquestriatus* Fabricius, *Ent. Syst.*, 4 : 289.*Type-locality* : “ Indian Orientali”*Distribution* : India : Arunachal Pradesh (Kameng, Subansiri), Assam, Bihar, Karnataka, Kerala, Madhya Pradesh, Meghalaya (East Khasi hills district; Ri-bhoi district), Nagaland (Mokokchung district) Orissa, Tripura (South Tripura district : Birchandranagar, Jalefa, Kanthalchhari; North Tripura district : Choraibari), Uttar Pradesh and West Bengal (Darjeeling district : Kalimpong, Tindharia).*Elsewhere* : Oriental; Palaeartic.Subgenus *Eristalodes* Mik1897. *Eristalodes* Mik, *Wien. Ent. Ztg.*, 16 : 114.*Type-species* : *Eristalis taeniops* Wiedemann109. *Eristalinus (Eristalodes) paria* (Bigot)1880. *Eristalomyia paria* Bigot, *Annls Soc. ent. Fr.* (5)10 : 218.*Type-locality* : Sri Lanka.*Distribution* : India : Arunachal Pradesh (West Kameng), Himachal Pradesh, J & K, Karnataka, Manipur (Imphal district : Mahabali temple), Meghalaya (East Khasi hills district Shillong), Mizoram, Sikkim (Ghoombhanjan), Tamil Nadu, Uttar Pradesh, West Bengal (Darjeeling district : Lebong, Rangiroom, Lava).*Elsewhere* : Oriental; Palaeartic.110. *Eristalinus (Eristalodes) taeniops* (Wiedemann)1818. *Eristalis taeniops* Wiedemann, *Zool. Mag.* (Wied), 2 : 42.*Type-locality* : “Cape”*Distribution* : India : Arunachal Pradesh (Kameng), Himachal Pradesh, Meghalaya (East Khasi hills district : Shillong), Sikkim (South Sikkim district), West Bengal.*Elsewhere* : Oriental; Ethiopian; Palaeartic.Subgenus *Merodonoides* Curran1931. *Merodonoides* Curran *J. fed. Malay St. Mus.* 16 : 333.*Type-species* : *Merodonoides circularis* Curran

111. *Eristalinus (Merodonoides) multifarius* (Walker)1852. *Eristalis multifarius* Walker, *Insecta Saundersiana*, 1 : 248.*Type-locality* : East Indies*Distribution* : India : Meghalaya (Ri-bhoi district), Gujrat, Kerala, Madhya Pradesh, Rajasthan, Tamil Nadu, West Bengal (Darjeeling district : Andherikhola)*Elsewhere* : Oriental.Genus *Eristalis* Latreille1804. *Eristalis* Latreille, *Nouv. Dipt. Hist. Nat.*, 24 : (Tab, meth. Ins.) 194.*Type-species* : *Musca tenax* LinnaeusSubgenus *Eristalis* Latreille112. *Eristalis (Eristalis) tenax* (Linnaeus)1758. *Musca tenax* Linnaeus, *Syst. Nat. Ed.*, 10 : 591.*Type-locality* : Europe.*Distribution* : India : Arunachal Pradesh (Zemithang, Tawang), Manipur (Bishnupur district : Loktak; Senapati district : Kangpokpi; Churachandpur district : Sielmat, Lahngjo, Tuibuanga), Meghalaya (East Khasi hills district : Shillong, Cherrapunji), Mizoram (Lunglei, Aizwal, Champai), Nagaland (Kohima district), Sikkim (North Sikkim district : Thanggu, Rangiram, Lachung, Lachen, Mangan, East Sikkim district) West Bengal (Darjeeling district : Llyod's botanical garden, Tindharia, Mirik, Sukhia pokhri, Rangiroom, Tibetan naya basti, Phungla).*Elsewhere* : Oriental, Cosmopolitan.Subgenus *Eoseristalis* Kanervo1938. *Eoseristalis* Kanervo, *Annl. Univ. fenn. abo.*, (A) 6 : 12.*Type-species* : *Eristalis cerealis* Fabricius113. *Eristalis (Eoseristalis) arbustorum* (Linnaeus)1758. *Musca arbustorum* Linnaeus, *Syst. Nat. Ed.*, 10 : 591.*Type-locality* : Europe.

Distribution : India : Arunachal Pradesh (West Kameng), Jammu and Kashmir, Meghalaya (Shillong), Sikkim (North, East, South Sikkim district), West Bengal (Lloyd's botanical garden, Mirik)

Elsewhere : Holarctic.

114. *Eristalis (Eoseristalis) cerealis* Fabricius

1805. *Eristalis cerealis* Fabricius, *Syst. Antliat.*, : 232.

Type-locality : China

Distribution : India : Arunachal Pradesh (Zemithang, Tawang), Assam, Himachal Pradesh, Jammu and Kashmir, Manipur (Churachandpur district : Phanlon, Sielmat, Lahngjo, Tuibuanga), Meghalaya (East Khasi hills district : Shillong, Mawphlang), Mizoram, Nagaland (Mokokchung district : Yisemyong; Kohima district), Sikkim (Gangtok), West Bengal (Darjeeling district : Rangiroom, Lava, Kurseong, Senchal, Lloyd's botanical garden, Mirik).

Elsewhere : Oriental; Palaearctic.

115. *Eristalis (Eoseristalis) himalayensis* Brunetti

1880. *Eristalis ursinus* Bigot, *Annl. Soc. Ent. Fr.* (5)10 : 215

1908. *Eristalis (Eoseristalis) himalayensis* Brunetti, *Rec. Indian Mus.* 2 : 70.

Type-locality : "Indostan"

Distribution : India : Arunachal Pradesh, Himachal Pradesh, Jammu and Kashmir, Sikkim, Uttar Pradesh and West Bengal (Darjeeling district: Rangiroom, Lava).

Elsewhere : Oriental.

116. *Eristalis (Eoseristalis) intricarioides* Brunetti

1923. *Eristalis intricarioides* Brunetti, *Fauna Br. India, Dipt.*, 3 : 171.

Type-locality : Sikkim, India.

117. *Eristalis (Eoseristalis) suturalis* Brunetti

1923. *Eristalis suturalis* Brunetti, *Fauna Br. India, Dipt.*, 3 : 193.

Type-locality : Khasi hills, India.

Distribution : India : Meghalaya (East Khasi hills district; West Garo hills district), Mizoram.

Elsewhere : Oriental.

Unplaced species of *Eristalis* Latreille

118. *Eristalis* (?) *angustimarginalis* Brunetti

1923. *Eristalis angustimarginalis* Brunetti, *Fauna Br. India, Dipt.*, **3** : 176.

Type-locality : Mt. Chinese Frontier, NE Burma, Shillong, India

Distribution : India : Meghalaya (Ri-bhoi district; East Khasi hills district).

Elsewhere : Oriental.

119. *Eristalinus* (*Eristalinus*) *polychromatus* (Brunetti)

1923. *Eristalinus polychromatus* Brunetti, *Fauna Br. India, Dipt.*, **3** : 180.

Type-locality : Calcutta, India.

Distribution : India : Tripura (South Tripura district : Pulikhet, Kanthalchhari, Jalefa), Kerala, Orissa and West Bengal

Elsewhere : Not reported

Genus *Mallota* Meigen

1822. *Mallota* Meigen, *Syst. Besch. europ. zweifl. Insekt.*, **3** : 377.

Type-species : *Syrphus fuciformis* Fabricius

120. *Mallota orientalis* (Wiedemann)

1824. *Eristalis orientalis* Wiedemann, *Analecta Ent.* : 38.

Type-locality : Java.

Distribution : India : Meghalaya (East Khasi hills district), Sikkim and West Bengal.

Elsewhere : Oriental.

121. *Mallota rufipes* Brunetti

1913. *Mallota rufipes* Brunetti, *Rec. Indian Mus.*, **9** : 271.

Type-locality : Singla, Darjeeling, India.

Distribution : India : West Bengal (Darjeeling district)

Elsewhere : Not Reported

Genus *Mesembrius* Rondani

1857. *Mesembrius* Rondani; *Dipterol ital, prodr.*, 2 : 50.

Type-species : *Helophilus peregrinus* Loew

122. *Mesembrius bengalensis* (Wiedemann)

1819. *Eristalis bengalensis* Wiedemann, *Zool. Mag.* (Wied), 1 : 16.

Type-locality : Bengal, India.

Distribution : India : Assam (Dibrugarh), Bihar, Gujarat, Kerala, Manipur (Imphal district : Mahabali temple; Churachandpur district : Lahngjo), Tripura (West Tripura district : Badarghat, Abhoynagar; North Tripura district : Anandabazar), West Bengal.

Elsewhere : Oriental; Australian.

123. *Mesembrius insignis* (Walker)

1857. *Helophilus insignis* Walker, *J. Linn. Soc. Lond.* 1 : 17.

Type-locality : Singapore, Malaya.

Distribution : India : Arunachal Pradesh (Salari, West Kameng).

Elsewhere : Oriental.

124. *Mesembrius quadrivittatus* (Wiedemann)

1819. *Mesembrius quadrivittatus* Wiedemann, *Zool. Mag.* (Wied), 1 : 17.

Type-locality : Tranquebar, India.

Distribution : India : Assam, Bihar, Gujarat, Karnataka, Madhya Pradesh, Meghalaya, Orissa, Tamil Nadu, Tripura, West Bengal (Darjeeling).

Elsewhere : Oriental.

Genus *Phytomia* Guérin-Ménéville

1834. *Phytomia* Guerin-Meneville, in Belanger, *Voyage Ind.- orient.*, 7 : 509.

Type-species : *Eristalis chrysopygus* Wiedemann

Subgenus *Phytomia* Guérin-Ménéville125. *Phytomia (Phytomia) errans* (Fabricius)

1787. *Syrphus errans* Fabricius, *Mantissa Insect.*, 2 : 337.

Type-locality : China

Distribution : India : Arunachal Pradesh (Upper Subansiri district : Daporijo), Assam, Bihar, J & K, Karnataka, Kerala, Manipur (Churachandpur district : Tuibuanga), Meghalaya, Mizoram, Tamil Nadu, Tripura, West Bengal (Darjeeling).

Elsewhere : Oriental.

126. *Phytomia (Phytomia) zonata* (Fabricius)

1787. *Phytomia (Phytomia) zonata* Fabricius, *Mantissa Insect.*, 2 : 337.

Type-locality : China.

Distribution : India : Arunachal Pradesh (Siang, Lohit, Changlang), Assam, Karnataka, Kerala, Meghalaya (East Khasi hills district : Pynursla; Ri-bhoi district : Nongpoh; West Garo hills district), Sikkim, Tamil Nadu, Tripura, West Bengal.

Elsewhere : Oriental; Palaearctic.

127. *Phytomia (Phytomia) chrysopygus* (Wied.)

1819. *Eristalis chrysopygus* Wiedemann, *Zool. Mag. (Wied.)*, 1 : 15.

Type-locality : Java.

Distribution : India : Assam, Meghalaya (East Khasi hills district), Sikkim

Elsewhere : Oriental.

Subgenus *Doliochomerus* Macquart

1850. *Doliochomerus* Macquart, *Dipt. exot. Suppl.* 4 : 131.

Type-species : *Syrphus crassus* Fabricius

128. *Phytomia (Dolichomerus) crassa* (Fabricius)

1787. *Syrphus crassus* Fabricius, *Mantissa Insect.*, 2 : 334.

Type-locality : Tranquebar, India.

Distribution : India : Andhra Pradesh, Assam, Bihar, Goa, Karnataka, Kerala, Meghalaya (West Garo hills district), Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal (Darjeeling).

Elsewhere : Oriental.

Genus *Pseuderistalis* Shiraki

1930. *Pseuderistalis* Shiraki, *Mem. Fac. Agric. Taihoku imp. Univ.*, 1 : 147.

Type-species : *Pseuderistalis* bicolor Shiraki

129. *Pseuderistalis fascipennis* Thompson

1908. *Eristalis maculipennis* de Meijere, *Tijdschr. Ent.*, 51 : 261.

Type-locality : Java

Distribution : India : Assam

Elsewhere : Oriental.

Tribe MILESINI

Genus *Brachypalpus* Macquart

1834. *Brachypalpus* Macquart, *Hist. nat. Ins. Dipt.*, 1 : 523.

Type-species : *Brachypalpus tuberculatus* Macquart=*vulgas* (Panzer).

130. *Brachypalpus dives* Brunetti

1908. *Brachypalpus dives* Brunetti, *Rec. Indian Mus.*, 2 : 86.

Type-locality : Kohima, India

Distribution : India : Assam, Meghalaya (Ri-bhoi district; East Khasi hills district), Nagaland (Kohima district).

Elsewhere : Not reported.

Genus *Criorhina* Meigen

1822. *Criorhina* Meigen, *Syst. Besch. europ. zweifl. Insekt.*, 3 : 236.

Type-species : *Syrphus asilicus* Fallén

131. *Criorhina bomboides* Hull

1944. *Criorhina bomboides* Hull, *Ann. Mag. nat. Hist.*, (11)11 : 37.

Type-locality : Shillong, India.

Distribution : India : Meghalaya (East Khasi hills district).

Elsewhere : Not reported.

Genus *Lycastris* Walker

1857. *Lycastris* Walker, *Trans. ent. Soc. London, (n. ser.)* 4 : 155.

Type-species : *Lycastris albipes* Walker

132. *Lycastris albipes* Walker

1857. *Lycastris* Walker, *Trans. ent. Soc. London, (n. ser.)* 4 : 155.

Type-locality : Hindostan

Distribution : India : West Bengal (Darjeeling district : Badamtam).

Elsewhere : Not known.

133. *Lycastris austeni* Brunetti

1923. *Lycastris flavohirta* Brunetti, *Fauna Brit. India, Dipt.*, 3 : 279.

Type-locality : Darjeeling, India

Distribution : India : West Bengal (Darjeeling district)

Elsewhere : Not known.

134. *Lycastris flavohirta* Brunetti

1908. *Lycastris flavohirta* Brunetti, *Rec. Indian Mus.*, 2 : 85.

Type-locality : Darjeeling, India

Distribution : India : West Bengal (Darjeeling district : Tiger hill)

Elsewhere : Not known.

135. *Lycastris griescipennis* Coe

1964. *Lycastris griescipennis* Coe, *Bull. Br. Mus. Nat. Hist. (Ent.)*, 15 : 281.

Type-locality : Assam, India

Distribution : India : Assam

Elsewhere : Not Reported

Genus *Milesia* Latreille

1804. *Milesia* Latreille, *Nouv. Dict. Hist. nat.*, 24 (Tab. meth. Ins) : 194.

Type-species : *Syrphus crabroniformis* Fabricius

136. *Milesia balteata* Kertész

1901. *Milesia balteata* Kertész, *Termeszetr. Füz.*, 24 : 414.

Type-locality : Sikkim, India.

Distribution : India : Assam, Meghalaya (East Khasi hills district; Ri-bhoi district : Nongpoh), Sikkim, West Bengal.

Elsewhere : Oriental.

137. *Milesia cretosa* Hippha

1990. *Milesia cretosa* Hippha, *Acta zoo. fenn.*, 187 : 122.

1998. *Milesia cretosa* : Datta, *Fauna of Meghalaya, State Fauna Series 4 (Part 6)* : 152, Z.S.I.

Type-locality : Not known.

Distribution : India : Meghalaya (East Khasi hills district; Ri-bhoi district)

Elsewhere : Oriental.

138. *Milesia decora* Brunetti

1923. *Milesia decora* Brunetti, *Fauna Br. India, Dipt.* 3 : 274.

Type-locality : North Khasi Hills, Shillong.

Distribution : India : Meghalaya (North Khasi hills district)

Elsewhere : Not reported.

139. *Milesia ferruginosa* Brunetti

1913. *Milesia ferruginosa* Brunetti, *Rec. Indian Mus.*, 9 : 268.

Type-locality : Darjeeling, India.

Distribution : India : Assam, Meghalaya (East Khasi hills district : Shillong; Ri-bhoi district), Sikkim, Uttar Pradesh, West Bengal (Darjeeling district)

Elsewhere : Oriental.

140. *Milesia illustris* Hippa

1990. *Milesia illustris* Hippa, *Acta zool. fenn.*, 187 : 129.

Type-locality : (?)

Distribution : India : Assam, Meghalaya (Ri-bhoi district), Sikkim, West Bengal.

Elsewhere : Oriental.

141. *Milesia semifulva* de Meijere

1904. *Milesia semifulva* de Meijere, *Bijdr. Dierk.*, 17 : 99.

Type-locality : Darjeeling, India.

Distribution : India : Assam, Meghalaya (East Khasi hills district; Ri-bhoi district), Tamil Nadu, West Bengal (Darjeeling district).

Elsewhere : Oriental.

142. *Milesia variegata* Brunetti

1908. *Milesia variegata* Brunetti, *Rec. Indian Mus.*, 2 : 80.

Type-locality : Sikkim, India

Distribution : India : Assam, Meghalaya (East Khasi hills district; Ri-bhoi district), Sikkim, West Bengal.

Elsewhere : Oriental.

143. *Milesia verticalis* Brunetti

1923. *Milesia verticalis* Brunetti, *Fauna Br. India, Dipt.* 3 : 269.

Type-locality : Tura, Garo hills, India.

Distribution : India : Meghalaya (West Garo hills district)

Elsewhere : Not reported.

Genus *Syritta* Lepeletier and Serville

1828. *Syritta* Lepeletier and Serville, *Encycl. meth. (Ins.)* 10(2) : 808.

Type species : *Musca pipiens* Linnaeus

144. *Syritta orientalis* Macquart

1842. *Syritta orientalis* Macquart, *Dipt. Exot.*, 2(2) : 76(136).

Type-locality : Pondicherry, India.

Distribution : India : Bihar, Himachal Pradesh, Pondichery, Tamil Nadu, Uttaranchal, West Bengal (Darjeeling),

Elsewhere : Oriental.

Genus *Xylota* Meigen

1822. *Xylota* Meigen, *Syst. Besch. europ. zweifl. Insekt.*, 3 : 211.

Type-species : *Musca sylvarum* Linnaeus

145. *Xylota annulata* Brunetti

1913. *Xylota annulata* Brunetti, *Rec. Indian Mus.*, 9 : 270.

Type-locality : Singla, Darjeeling, India

Distribution : India : Meghalaya (West Garo hills district), West Bengal (Darjeeling district).

Elsewhere : Oriental.

146. *Xylota assamensis* Brunetti

1908. *Xylota assamensis* Brunetti, *Rec. Indian Mus.* 2 : 79.

Type-locality : Kohima, Nagaland, India

Distribution : India : Assam (?), Nagaland (Kohima district).

Elsewhere : Not reported.

147. *Xylota auronitens* Brunetti

1908. *Xylota auronitens* Brunetti, *Rec. Indian Mus.* 2 : 78.

Type-locality : Margherita, India

Distribution : India : Assam (Margherita)

Elsewhere : Not reported.

148. *Xylota cupreiventris* Brunetti

1923. *Xylota cupreiventris* Brunetti, *Fauna Br. India, Dipt.* 3 : 233.

Type-locality : Darjeeling

Distribution : India : West Bengal (Darjeeling district)

Elsewhere : Not reported.

149. *Xylota nursei* Brunetti

1923. *Xylota nursei* Brunetti, *Fauna Br. India, Dipt.*, 3 : 240.

Type-locality : Simla, India

Distribution : India : Himachal Pradesh, West Bengal (Darjeeling district : Rangiroom)

Elsewhere : Not reported.

150. *Xylota penicillata* Brunetti

1923. *Xylota penicillata* Brunetti, *Fauna Br. India, Dipt.*, 3 : 242.

Type-locality : Lower Ranges, Khasi hills, India

Distribution : India : Meghalaya (Ri-bhoi district)

Elsewhere : Not reported.

SUMMMARY

The present check-list contains the report of 150 species from 50 genera under 15 tribes belonging 15 Subfamilis of hover flies from the Eastern Himalayan region of India.

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