Nepalese Sepsidae (Diptera): A new species and records of thirty-two species^{1), 2), 3)}

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Abstract: Thirty-three species belonging to 10 genera of the Nepalese Sepsidae are reviewed. A new species, *Dicranosepsis trichordis* Iwasa, n. sp. is described and 7 species are newly recorded. A revised identification key to the genera and species of Nepal is given.

Key words: Diptera, Sepsidae, new species, new records, Nepal.

INTRODUCTION

The Oriental species of Sepsidae have been studied by many authors (Brunetti, 1909; Duda, 1926; Hennig, 1941; Steyskal, 1949; Zuska, 1968a, 1972, 1974 and 1977; Iwasa, 1982, 1989; Iwasa and Tewari, 1990; Iwasa *et al.*, 1991; Iwasa and Jayasekera, 1994). Hitherto 8 genera and 25 species have been recorded from Nepal by Zuska (1968b) and Iwasa (1984 and 1994).

Recently, we had a chance to examine the sepsid specimens collected in the course of the dipterous surveys of medical importance in Nepal in 1988, 1990 and 1992. As a result of the examination, we review 33 species including a new species and 7 newly recorded species from Nepal.

Key to the Nepalese genera and species of Sepsidae

1. First and second basal cells united 2
- First and second basal cells separated 4
2. Scutellum as long as width, upper surface flat, with 2 pairs of strong scutellar setae, fronto-orbital setae developed; 1st tarsal segments whitish yellow

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- *Saltella setigera* Brunetti
- Scutellum shorter than half of width, upper surface slightly convex, with 2 pairs of small basal and strong apical scutellar setae; fronto-orbital setae very small.
- *Australosepsis* Malloch 3
3. Wing with a diffused dark spot at the end of vein R_{2+3} *A. niveipennis* (Becker)
- Wing without a diffused dark spot at the end of vein R_{2+3} *A. frontalis* (Walker)
4. Supra-alar and outer vertical setae absent or vestigial
- *Themira* Robineau-Desvoidy 5
- Supra-alar and outer vertical setae present 7
5. Fourth abdominal sternite without a pair of long hair tufts in both sexes.
- *T. makiharai* Iwasa
- Fourth abdominal sternite with a pair of long hair tufts in male; without them in female. 6
6. Sternopleuron with a central shining spot *T. bifida* Zуска
- Sternopleuron wholly pruinose *T. shimai* Iwasa
7. Thorax and abdomen dully shiny; middle femur dorsally hollowed at middle; large species *Toxopoda* Macquart 8
- Thorax and abdomen shiny; middle femur not hollowed at middle; medium or small species 9
8. Male surstylus bifurcated *T. bifurcata* Iwasa
- Male surstylus not bifurcated *T. mordax* Iwasa
9. Humeral setae absent *Decachaetophora aeneipes* (de Meijere)
- Humeral setae present 10
10. Fronto-orbital setae developed (small in *Meroplius beckeri* de Meijere) 11
- Fronto-orbital setae vestigial or absent (except in *Sepsis alta* Iwasa). 15
11. Postvertical setae absent and acrostichal setae present
- *Xenosepsis sydneyensis* Malloch
- Postvertical setae present and acrostichal setae absent
- *Meroplius* Rondani 12
12. Fronto-orbital setae small; sternopleuron widely pruinose; ♂, distal modified spines on ventral surface of fore femur spatulate; ♀, fore femur with 4-5 setae ventrally
- *M. beckeri* (de Meijere)
- Fronto-orbital setae strong; sternopleuron pruinose only dorsal small part 13
13. ♂, distal modified spines on ventral surface of fore femur straight
- *M. minutus* Wiedemann
- ♂, distal modified spines on ventral surface of fore femur bent outward. 14
14. Wings distinctly tinged with grey. ♂, distal one of two stout ventral spines of fore femur angularly bent outward. *M. fasciculatus* Brunetti

- Wings hyaline, slightly tinged with brown. ♂, distal one of two stout ventral spines of fore femur inclined outward but not angularly bent *M. mirandus* Iwasa
- 15. Fore femur in both sexes with a series of short anteroventral spines, in male further a row of longer setae present posteroventrally *Nemopoda pectinulata* Loew
- Fore femur in both sexes without a series of short spines; male fore femur with complicated spines or setae 16
- 16. Abdomen in both sexes without distinct macrochaetae; male surstylus bifurcate at the tip *Dicranosepsis* Duda 17
- Abdomen in male, and often in female also, with distinct macrochaetae; male surstylus not bifurcate *Sepsis* Fallén 23
- 17. Wing tip with a dark spot *D. maculosa* Iwasa
- Wing tip without a dark spot 18
- 18. Male hind tibia with a distinct osmeterium *D. olfactoria* Iwasa
- Male hind tibia without a distinct osmeterium 19
- 19. Male middle tibia and tarsus with numerous long setae *D. pubipes* Brunetti
- Male middle tibia and tarsus without such long setae 20
- 20. Male fore femur with 3 distinct anteroventral setae in basal part
- *D. trichordis* n. sp.
- Male fore femur without such setae in basal part 21
- 21. Male hind metatarsus with a row of long anterior setae which are curled apically
- *D. parva* Iwasa
- Male hind metatarsus without such setae 22
- 22. Male fore femur with a distinct posteroventral seta subbasally *D. stabilis* Iwasa
- Male fore femur without a posteroventral seta subbasally *D. bicolor* Wiedemann
- 23. Fronto-orbital setae developed *S. alta* Iwasa
- Fronto-orbital setae vestigial or absent 24
- 24. Wing without a dark spot at the end of vein R_{2+3} 25
- Wing with a dark spot at the end of vein R_{2+3} 28
- 25. Sternopleuron posterodorsally pruinose *S. lateralis* Wiedemann
- Sternopleuron wholly pruinose 26
- 26. Pteropleuron pruinose *S. indica* Wiedemann
- Pteropleuron shiny 27
- 27. Male fore femur with a prominent ventral tubercle at middle; male surstylus short and slender *S. nitens* Wiedemann
- Male fore femur without a tubercle, and with thorn-like spines; male surstylus long and stout *S. coprophila* de Meijere
- 28. A dark spot at the end of vein R_{2+3} angular-shaped *S. himalayensis* Brunetti

- A dark spot at the end of vein R_{2+3} round-shaped. 29
- 29. Sternopleuron almost shiny, only posterodorsal margin thinly pruinose
 S. albopunctata Lamb
- Sternopleuron wholly or posterodorsally pruinose 30
- 30. Sternopleuron anteroventrally shiny *S. thoracica* (R.-D)
- Sternopleuron almost pruinose 31
- 31. Legs blackish *S. neocynipsea* Melander et Spuler
- Legs yellowish. 32
- 32. Dorsocentral setae two pairs; anterior part of sternopleuron semi-circularly shiny
 S. nakanishii Iwasa
- Dorsocentral setae one pair; sternopleuron wholly pruinose
 S. monostigma Thomson

***Saltella setigera* Brunetti, 1909**

Saltella setigera Brunetti, 1909, Rec. Ind. Mus., 3: 368.

Specimens examined. 2♀, Pokhara, 22 June 1964, R. Kano.

Distribution. India, Nepal and Bangladesh.

***Toxopoda bifurcata* Iwasa, 1989**

Toxopoda bifurcata Iwasa, 1989, Jpn. J. Sanit. Zool., 40, suppl.: 51.

Specimens examined. 2♂, Tolka (1,840 m)–Ghandruk (1,970 m), 9 Oct. 1990, M. Iwasa; 1♂, Phedi (1,200 m)–Dhampus (1,760 m), 6 Oct. 1990, M. Iwasa; 1♂, Naubise (990 m), 2 Oct. 1990, M. Iwasa; 1♂, Lothar Khola (365 m), Chitwan, 4 Oct. 1990, M. Iwasa; 1♂, Naudanda (1,350 m), 28 Jul. 1990, K. Kanmiya; 1♂, Chandrakot (1,640 m), 29 Jul. 1990, K. Kanmiya.

Distribution. Pakistan and Nepal. New to Nepal.

***Toxopoda mordax* Iwasa, Zuska et Ozerov, 1991**

Toxopoda mordax Iwasa, Zuska et Ozerov, 1991, Jpn. J. Sanit. Zool., 42: 232.

Specimens examined. 1♂, Amlekhganji (300 m), Parsa, 3 Oct. 1990, M. Iwasa; 1♂, Hetauda (545 m)–Chitwan (300 m), 23 Jul. 1990, K. Kanmiya.

Distribution. Bangladesh, Sri Lanka and Nepal. New to Nepal.

***Themira bifida* Zuska, 1974**

Themira bifida Zuska, 1974, Proc. Ent. Soc. Wash., 76: 190.

Specimens examined. 3♂, Beding (3,700 m), Rolwaling Valley, 19 Oct. 1992, M. Iwasa.

Distribution. India (East Punjab) and Nepal.

***Themira shimai* Iwasa, 1984**

Themira shimai Iwasa, 1984, Kontyû, 52: 73.

The records of specimens were given by Iwasa (1984).

Distribution. Nepal.

***Themira makiharai* Iwasa, 1984**

Themira makiharai Iwasa, 1984, Kontyû, 52: 75.

Specimens examined. 27♂, Donang (3,000 m)–Ketang Cave (2,650 m), Rolwaling Valley, 21 Oct. 1992, M. Iwasa.

Distribution. Nepal.

***Decachaetophora aeneipes* (de Meijere, 1911)**

Sepsis aeneipes de Meijere, 1911, Annl. Mus. natn. hung., 11: 119.

Decachaetophora aeneipes: Duda, 1925, Ann. naturhist. Mus. Wien, 39: 27.

Specimens examined. 3♂, Daman (2,000 m), 2 Oct. 1990, M. Iwasa; 1♂, Phedi (1,200 m)–Dhampus (1,760 m), 6 Oct. 1990, M. Iwasa; 1♂, Pothana (2,030 m)–Tolka (1,840 m), 8 Oct. 1990, M. Iwasa; 1♂, Kuldigar (2,480 m)–Deurali (3,190 m), 12 Oct. 1990, M. Iwasa; 1♂, Deurali (3,190 m)–Chomrong (2,050 m), 13 Oct. 1990, M. Iwasa.

Distribution. Oriental Region, southern Palaearctic Region and also Nearctic Region.

***Nemopoda pectinulata* Loew, 1873**

Nemopoda pectinulata Loew, 1873, Beschr. Europ. Dipt., 3: 305.

The records of specimens were given by Iwasa (1984).

Distribution. Palaearctic Region and Nepal.

***Xenosepsis sydneyensis* Malloch, 1925**

Xenosepsis sydneyensis Malloch, 1925, Proc. Linn. Soc. N. S. W., 50: 315

Specimen examined. 1♂, Hetauda (545 m), Chitwan, 23 Jul. 1990, K. Kanmiya.

Distribution. Taiwan, Malaysia (Borneo), Indonesia, Australia and Nepal. New to Nepal.

***Meroplius minutus* (Wiedemann, 1830)**

Sepsis minuta Wiedemann, 1830, Auss. zweifl. Ins., 2: 468.

Meroplius minutus: Pont, 1979, Handb. Ident. Brit. Ins., 10: 3.

Specimens examined. 3♂, Kathmandu, 21 May 1964, R. Kano.

Distribution. Holarctic Region and Nepal.

***Meroplius beckeri* (de Meijere, 1906)**

Sepsis beckeri de Meijere, 1906, Ann. Mus. natn. hung., 4: 185.

Meroplius beckeri: Duda, 1926, Annl. naturhist. Mus. Wien, 40:49.

Specimens examined. 5♂, Phedi (1,200 m)–Dhampus (1,760 m), 6 Oct. 1990, M. Iwasa; 2♂, 1♀, Dhampus (1,760 m)–Pothana (2,030 m), 7 Oct. 1990, M. Iwasa; 2♂, 1♀, Tolka (1,840 m)–Ghandruk (1,970 m), 9 Oct. 1990, M. Iwasa; 1♂, Ghandruk (1,970 m)–Chandrakot (1,640 m), 15 Oct. 1990, M. Iwasa; 1♂, Hetauda (545 m), 2 Oct. 1990, M. Iwasa; 1♂, Nijigarh (300 m), Parsa, 3 Oct. 1990, M. Iwasa; 2♂, Lothar Khola (365 m), 4 Oct. 1990, M. Iwasa; 2♂, Malephu (1,050 m)–Charikot (2,050 m), Rolwaling Valley, 25 Oct. 1992, M. Iwasa.

Distribution. India, Bangladesh and Nepal. New to Nepal.

***Meroplius fasciculatus* (Brunetti, 1909)**

Sepsis fasciculatus Brunetti, 1909, Rec. Ind. Mus., 3: 365.

Meroplius fasciculatus: Zuska, 1972, Acta ent. bohemoslov., 69: 64.

Specimens examined. 11♂, Kathmandu (1,300 m), 28 Sept. 1990, M. Iwasa; 4♂, Amlekhganji (300 m), Parsa, 3 Oct. 1990, M. Iwasa; 5, Tansen (1,700 m)–Pokhara (900 m), 5 Oct. 1990, M. Iwasa; 5♂, Phedi (1,200 m)–Dhampus (1,760 m), 6 Oct. 1990, M. Iwasa; 3♂, Ghandruk (1,970 m)–Chandrakot (1,640 m), 15 Oct. 1990, M. Iwasa; 2♂, Dolakha (1,900 m), Rolwaling Valley, 13 Oct. 1992, M. Iwasa; 2♂, Chetre (1,140 m)–Gongar (1,430 m), Rolwaling Valley, 15 Oct. 1992, M. Iwasa.

Distribution. Oriental Region and Japan. New to Nepal.

***Meroplius mirandus* Iwasa, 1994**

Meroplius mirandus Iwasa, 1994, Jpn. J. Ent., 62: 162.

The records of specimens were given by Iwasa (1994).

Distribution. Nepal.

***Sepsis albopunctata* Lamb, 1914**

Sepsis albopunctata Lamb, 1914, Trans. Linn. Soc. Lond., 2: 323.

Specimens examined. 1♂, Godawari (1,540 m)–Pulchouki (2,760 m), 27 Sept. 1990, M. Iwasa; 2♂, Simigaon (2,150 m)–Jagat (1,250 m), 23 Oct. 1992, Rolwaling Valley, M. Iwasa; 1♂, Dolakha (1,900 m), Rolwaling Valley, 13 Oct. 1992, M. Iwasa.

Distribution. Widely distributed in the Oriental, Afrotropical and Australasian Regions.

***Sepsis neocynipsea* Melander et Spuler, 1917**

Sepsis neocynipsea Melander et Spuler, 1917, Bull. Wash. agric. exper. Sta., 143: 28.

The records of specimens were given by Iwasa (1984).

Distribution. Holarctic Region and Nepal.

***Sepsis nakanishii* Iwasa, 1984**

Sepsis nakanishii Iwasa, 1984, Kontyû, 52: 78.

Specimens examined. 20♂, 6♀, Donang (3,000 m)–Ketang Cave (2,650 m), Rolwaling Valley, 21 Oct. 1992, M. Iwasa.

Distribution. Nepal.

***Sepsis monostigma* Thomson, 1869**

Sepsis monostigma Thomson, 1869, Eugen. Resa, 587.

Specimens examined. 10♂, Budhanilkantha (1,500 m)–Shivapuri (2,000 m), 29 Sept. 1990, M. Iwasa; 2♂, Naubise (990 m), 2 Oct. 1990, M. Iwasa; 1♂, Tistung (2,030 m), Hetauda, 2 Oct. 1990, M. Iwasa; 4♂, Dolakha (1,900 m), Rolwaling Valley, 13 Oct. 1992, M. Iwasa.

Distribution. Widely distributed in the Oriental Region and southern Palaearctic Region. New to Nepal.

***Sepsis coprophila* de Meijere, 1906**

Sepsis coprophila de Meijere, 1906, Ann. Mus. natn. hung., 4: 176.

Specimens examined. 2♂, Godawari (1,540 m)–Pulchouki (2,760 m), 27 Sept. 1990, M. Iwasa; 1♂, Amlekhganji (300 m), Parsa, 3 Oct. 1990, M. Iwasa; 1♂, Lothar Khola (365 m), 4 Oct. 1990, M. Iwasa; 5♂, Dhampus (1,760 m)–Pothana (2,030 m), 7 Oct. 1990, M. Iwasa; 3♂, Tolka (1,840 m)–Ghandruk (1,970 m), 9 Oct. 1990, M. Iwasa; 1♂, Kyumrung (1,840 m)–Kuldigar (2,480 m), 11 Oct. 1990, M. Iwasa; 3♂, Phedi (1,215 m)–Naudanda (1,350 m), 17 Oct. 1990, M. Iwasa; 6♂, Kathmandu (1,300 m), 28 Oct. 1992, M. Iwasa; 2♂, Jagat (1,250 m)–Malephu (1,050 m), 24 Oct. 1992, M. Iwasa.

Distribution. Widely distributed in the Oriental Region. New to Nepal.

***Sepsis indica* Wiedemann, 1824**

Sepsis indica Wiedemann, 1824, Analecta Ent.: 57.

Specimens examined. 1♂, Nijigarh (300 m), Parsa, 3 Oct. 1990, M. Iwasa; 1♂, Tadi Bazar (290 m), Chitwan, 4 Oct. 1990, M. Iwasa; 4♂, Phedi (1,200 m)–Dhampus (1,760 m), 6 Oct. 1990, M. Iwasa; 1♂, Dhampus (1,760 m)–Pothana (2,030 m), 7 Oct. 1990, M. Iwasa; 2♂, Tolka (1,840 m)–Ghandruk (1,970 m), 9 Oct. 1990, M. Iwasa; 1♂, Ghandruk

(1,970 m)—Kyumrung (1,840 m), 10 Oct. 1990, M. Iwasa; 3♂, Chomrong (2,050 m)—Ghandruk (1,970 m), 14 Oct. 1990, M. Iwasa; 3♂, Chandrakot (1,640 m)—Phedi (1,200 m), 16 Oct. 1990, M. Iwasa; 1♂, Dolakha (1,900 m)—Chetre (1,140 m), Rolwaling Valley, 14 Oct. 1992, M. Iwasa.

Distribution. Oriental Region, Russia, South Korea and Japan.

***Sepsis lateralis* Wiedemann, 1830**

Sepsis lateralis Wiedemann, 1830, Auss. zweifl. Ins., 2: 468.

Specimens examined. 4♂, Kathmandu (1,300 m), 28 Sept. 1990, M. Iwasa; 3♂, Budhanilkantha (1,500 m), 29 Sept. 1990, M. Iwasa; 4♂, Tansen (700 m)—Pokhara (900 m), 5 Oct. 1990, M. Iwasa; 6♂, Hetauda (545 m), 2 Oct. 1990, M. Iwasa; 1♂, Naubise (990 m), 18 Oct. 1990, M. Iwasa; 7♂, Dakshinkali (1,600 m), Kathmandu, 29 Oct. 1992, M. Iwasa.

Distribution. Widely distributed in the Oriental, Afrotropical Regions, Mediterranean subregion and Papua New Guinea.

***Sepsis nitens* Wiedemann, 1824**

Sepsis nitens Wiedemann, 1824, Analecta Ent.: 58.

Specimens examined. 3♂, Amlekhganji (300 m), Parsa, 3 Oct. 1990, M. Iwasa.

Distribution. Oriental and Australasian Regions.

***Sepsis himalayensis* Brunetti, 1909**

Sepsis himalayensis Brunetti, 1909, Rec. Ind. Mus., 3: 345.

Specimens examined. 15♂, Ghandruk (1,970 m)—Kyumrung (1,840 m), 10 Oct. 1990, M. Iwasa; 2♂, Kyumrung (1,840 m)—Kuldigar (2,480 m), 11 Oct. 1990, M. Iwasa; 3♂, Tistung (2,030 m), Kathmandu-Hetauda, 2 Oct. 1990, M. Iwasa; 6♂, 1♀, Donang (3,000 m)—Ketang Cave (2,650 m), Rolwaling Valley, 21 Oct. 1992, M. Iwasa.

Distribution. Pakistan, India, Nepal and Burma.

***Sepsis alta* Iwasa, 1984**

Sepsis alta Iwasa, 1984, Kontyû, 52: 80.

The records of specimens were given by Iwasa (1984).

Distribution. Nepal.

***Sepsis thoracica* (Robineau-Desvoidy, 1830)**

Micropeza thoracica Robineau-Desvoidy, 1830, Essai Myodaires: 742.

Sepsis thoracica: Duda, 1926, Annl. naturhist. Mus. Wien, 40: 37.

The Nepalese specimens often lack a dark spot at the end of vein R_{2+3} (Zuska, 1968; Iwasa, 1984). Both specimens of the typical, spotted form and the unspotted form were col-

lected in the present survey.

Specimens examined. Spotted form: 2♂, Budhanilkantha (1,500 m), 29 Sept. 1990, M. Iwasa; 5♂, Shivapuri (1,800–2,300 m), Kathmandu, 10 Oct. 1992, M. Iwasa; 3♂, Tistung (2,030 m), Kathmandu-Hetauda, 2 Oct. 1990, M. Iwasa; 1♂, Kyumrung (1,840 m)–Kuldigar (2,480 m), 11 Oct. 1990, M. Iwasa; 4♂, Dolakha (1,900 m), Rolwaling Valley, 13 Oct. 1992, M. Iwasa; 4♂, Malephu (1,050 m)–Charikot (1,205 m), Rolwaling Valley, 25 Oct. 1992, M. Iwasa. Unspotted form: 1♂, Budhanilkantha (1,500 m), 29 Sept. 1990, M. Iwasa; 3♂, Ghandruk (1,970 m)–Kyumrung (1,840 m), 10 Oct. 1990, M. Iwasa; 6♂, 1♂, Kyumrung (1,840 m)–Kuldigar (2,480 m), 11 Oct. 1990, M. Iwasa; 8♂, Shivapuri (2,500 m), Kathmandu, 31 Oct. 1992, M. Iwasa.

Distribution. Widely distributed in the Oriental, Palaearctic and Afrotropical Regions.

***Australosepsis frontalis* (Walker, 1860)**

Sepsis frontalis Walker, 1860, J. Proc. Linn. Lond., Zool., 4: 163.

Australosepsis frontalis: Zuska, 1968, Acta ent. bohemoslov., 65: 472

Specimens examined. 4♂, Godawari (1,500 m), Kathmandu, 30 Oct. 1982, M. Iwasa.

Distribution. Widely distributed in the Oriental Region and New Caledonia.

***Australosepsis niveipennis* (Becker, 1903)**

Sepsis niveipennis Becker, 1903, Mitt. zool. Mus. Berl., 2: 143.

Australosepsis niveipennis: Hennig, 1941, Arb. morph. taxon. Ent. Berl., 8: 145.

Specimen examined. 1♂, Amlekhganji (300 m), Parsa, 3 Oct. 1990, M. Iwasa.

Distribution. Widely distributed in the Oriental, Afrotropical and Australasian Regions.

***Dicranosepsis bicolor* (Wiedemann, 1830)**

Sepsis bicolor Wiedemann, 1830, Auss. zweifl. Insekt., 2: 468.

Dicranosepsis bicolor: Zuska, 1970, Acta ent. bohemoslov., 67: 50.

Specimens examined. 4♂, Kathmandu (1,300 m), 28 Sept. 1990, M. Iwasa; 2♂, Amlekhganji (300 m), Parsa, 3 Oct. 1990, M. Iwasa; 4♂, Tansen (700 m)–Pokhara (900 m), 5 Oct. 1990, M. Iwasa; 1♂, Phedi (1,200 m)–Dhampus (1,760 m), 6 Oct. 1990, M. Iwasa; 1♂, Dhampus (1,760 m)–Pothana (2,030 m), 7 Oct. 1990, M. Iwasa; 18♂, Pothana (2,030 m)–Tolka (1,840 m), 8 Oct. 1990, M. Iwasa; 1♂, Ghandruk (1,970 m)–Kyumrung (1,840 m), 10 Oct. 1990, M. Iwasa; 1♂, Chomrong (2,050 m)–Ghandruk (1,970 m), 14 Oct. 1990, M. Iwasa; 1♂, Ghandruk (1,970 m)–Chandrakot (1,640 m), 15 Oct. 1990, M. Iwasa; 3♂, Phedi (1,200 m)–Naudanda (1,350 m), M. Iwasa; 1♂, Pashupatinath (1,300 m), Kathmandu, 28 Oct. 1992, M. Iwasa; 1♂, Godawari (1,500 m), Kathmandu, 30 Oct. 1992, M.

Iwasa; 2♂, Simigaon (2,150 m)–Malephu (1,050 m), Rolwalimng Valley, 23–24 Oct. 1992, M. Iwasa.

Distribution. Widely distributed in the Oriental and Australasian Regions.

***Dicranosepsis pubipes* (Brunetti, 1909)**

Sepsis pubipes Brunetti, 1909, Rec. Ind. Mus., 3: 365.

Dicranosepsis pubipes: Iwasa, 1984, Kontyû, 52: 16.

Specimens examined. 21♂, Godawari (1,500 m)–Pulchouki (2,760 m), 27 Sept. 1990, M. Iwasa; 16♂, Pashupatinath (1,300 m), Kathmandu, 28 Oct. 1992, M. Iwasa; 2♂, Am-lekhganji (300 m), 3 Oct. 1990, M. Iwasa; 6♂, Tansen (700 m)–Pokhara (900 m), 5 Oct. 1990, M. Iwasa; 2♂, Phedi (1,200 m)–Dhampus (1,760 m), 6 Oct. 1990, M. Iwasa; 1♂, Dolakha (1,900 m)–Chetre (1,140 m), Rolwaling Valley 14 Oct. 1992, M. Iwasa.

Distribution. India (Sikkim) and Nepal.

***Dicranosepsis olfactoria* Iwasa, 1984**

Dicranosepsis olfactoria Iwasa, Kontyû, 52: 84.

Specimens examined. 4♂, Kathmandu (1,300 m), 28 Oct. 1992, M. Iwasa; 5♂, Godawari, (1,540 m)–Pulchouki (2,760 m), 27 Sept. 1990, M. Iwasa; 7♂, Tistung (2,030 m), Kathmandu-Hetauda, 2 Oct. 1990, M. Iwasa; 6♂, Phedi (1,200 m)–Dhampus (1,760 m), 6 Oct. 1990, M. Iwasa; 5♂, Dhampus (1,760 m)–Pothana (2,030 m), 7 Oct. 1990, M. Iwasa; 2♂, Pothana (2,030 m)–Tolka (1,840 m), 8 Oct. 1990, M. Iwasa; 9♂, Tolka (1,840 m)–Ghandruk (1,970 m), 9 Oct. 1990, M. Iwasa; 1♂, Ghandruk (1,970 m)–Kyumrung (1,840 m), 10 Oct. 1990, M. Iwasa; 1♂, Kyumrung (1,840 m)–Kuldigar (2,480 m), 11 Oct. 1990, M. Iwasa; 10♂, Chandrakot (1,640 m)–Phedi (1,200 m), 16 Oct. 1990, M. Iwasa; 4♂, Phedi (1,200 m)–Naudanda (1,350 m), 17 Oct. 1990, M. Iwasa; 11♂, Malephu (1,050 m)–Charikot (2,050 m), Rolwaling Valley, 25 Oct. 1992, M. Iwasa; 4♂, Simigaon (2,150 m)–Jagat (1,250 m), Rolwaling Valley, 23 Oct. 1992, M. Iwasa; 8♂, Dolakha (1,900 m), Rolwaling Valley, 13 Oct. 1992, M. Iwasa.

Distribution. Pakistan and Nepal.

***Dicranosepsis maculosa* Iwasa, 1984**

Dicranosepsis maculosa Iwasa, 1984, Kontyû, 52: 85.

The records of specimens were given by Iwasa (1984).

Distribution. Nepal.

***Dicranosepsis parva* Iwasa, 1984**

Dicranosepsis parva Iwasa, 1984, Kontyû, 52: 88.

Specimens examined. 7♂, Phedi (1,200 m)–Dhampus (1,760 m), 6 Oct. 1990,

M. Iwasa; 11♂, Dhampus (1,760 m)–Pothana (2,030 m), 7 Oct. 1990, M. Iwasa; 15♂, Pothana (2,030 m)–Tolka (1,840 m), 8 Oct. 1990, M. Iwasa; 3♂, Tolka (1,840 m)–Ghandruk (1,970 m), 9 Oct. 1990, M. Iwasa; 15♂, Ghandruk (1,970 m)–Chandrakot (1,640 m), 15 Oct. 1990, M. Iwasa; 4♂, Chandrakot (1,640 m)–Phedi (1,200 m), 16 Oct. 1990, M. Iwasa; 23♂, Phedi (1,200 m)–Naudanda (1,350 m), 17 Oct. 1990, M. Iwasa; 2♂, Godawari (1,540 m)–Pulchouki (2,760 m), 27 Sep. 1990, M. Iwasa; 2♂, Tansen (700 m)–Pokhara (900 m), 5 Oct. 1990, M. Iwasa; 5♂, Malephu (1,050 m)–Charikot (2,050 m), Rolwaling Valley, 25 Oct. 1992, M. Iwasa; 7♂, Simigaon (2,150 m)–Malephu (1,050 m), 23–24 Oct. 1992, M. Iwasa; 4♂, Godawari (1,500 m), Kathmandu, 30 Oct. 1992, M. Iwasa.

Distribution. Nepal.

***Dicranosepsis stabilis* Iwasa, 1984**

(Figs. 1–2)

Dicranosepsis stabilis Iwasa, 1984, Kontyû, 52: 86.

Specimens examined. 15♂, Pulchouki (2,760 m), 30 Sept. 1990, M. Iwasa; 1♂, Beding (3,700 m)–Donang (3,000 m), Rolwaling Valley, 20 Oct. 1992, M. Iwasa; 1♂, Donang (3,000 m)–Ketang Cave (2,650 m), Rolwaling Valley, 21 Oct. 1992, M. Iwasa; 1♂, Ketang Cave (2,650 m)–Simigaon (2,150 m), Rolwaling Valley, 22 Oct. 1992, M. Iwasa.

Distribution. Nepal.

***Dicranosepsis trichordis* Iwasa, n. sp.**

(Figs. 3–6)

Male. *Head*: frons black and shiny; face dark brown and pruinose; facial orbit light brown; gena and occiput black and thinly pruinose; 1st and 2nd antennal segments black, 3rd segment dark brown; arista black and bare; vibrissal angle with 3 moderately developed setae; genal lower margin with a distinct long seta; 1 *oc*, 1 *vti*, 1 *vte*, 1 *pvt*; *or* absent.

Thorax: wholly black; mesonotum and scutellum thinly pruinose; propleuron thinly pruinose; mesopleuron shiny; sternopleuron anteroventrally shiny and posterodorsally pruinose; pteropleuron anteriorly shiny and posteriorly pruinose; hypopleuron and metapleuron thinly pruinose; metanotum centrally shiny; 1 *h*, 2 *n*, 2 *dc*, 1 *sa*, 1 *pa*, 1 *m*, 1 *sc*.

Wings: hyaline, slightly tinged with brown; veins dark brown; humeral cell and basal part of costal cell light brown; alula without distinct a posterodistal lobe, with microtrichia marginally; halteres whitish yellow, darkened basally.

Legs: all femora, tibiae and tarsi yellow; Fore femur (Fig. 3) with distinct 3 anteroventral setae in basal part, median ventral process bearing 4 spines and 3 ventral setae in apical part; middle and hind femora without any distinct setae; fore tibia with 4 long ventral setae at distal one-third (Fig. 3); middle tibia with an *av* seta at distal one-third; 1st to 3rd tarsal segments of hind legs with a row of long anterior setae which are long and slightly curled

Figs. 1–2. *Dicranosepsis stabilis* Iwasa. 1, male fore femur and tibia, anterior view (left); 2, ditto, posterior view. Scales: 0.25 mm.

Figs. 3–6. *Dicranosepsis trichordis* Iwasa, n. sp. 3, male fore femur and tibia, anterior view (left); 4, male hind metatarsus, anterior view; 5, male genitalia, lateral view (left); 6, ditto, posterior view. Scales: 0.25 mm.

apically (Fig. 4).

Abdomen: black and shiny; tergites sparsely clothed with bristles, but without macrochaetae; 3rd segment slightly constricted basally; epandrium and surstylus as in Figs. 5 and 6.

Body length: 3.5–4.0 mm.

Female. Unknown.

Holotype. ♂, Ramahotel (2,800 m)–Khanglung (2,600 m), Lang Tang Valley, 2 Sept. 1988, M. Iwasa (preserved in Obihiro University of Agriculture and Veterinary Medicine, Obihiro, Hokkaido). Paratypes: 2♂, same data as holotype; 1♂, Thurukpa (2,600 m)–Papun (2,100 m), East Nepal, 10 Jul. 1972, P. Norbu (a part of paratypes will be preserved in the Natural History Museum, Tribhuvan University, Kathmandu).

Distribution. Nepal.

Remarks. This species is closely related to *D. pubipes* Brunetti and *D. parva* Iwasa, but differs from them in the characteristics of male fore femur.

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摘 要

ネパールのツヤホソバエ類（双翅目）：
1 新種の記載と 32 種の記録

ネパールのツヤホソバエ類については今までに 8 属 25 種が記録されていた。1988 年、1990 年および 1992 年に行われたネパールにおける双翅目昆虫の調査において採集されたツヤホソバエ類を調べ、1 新種 *Dicranosepsis trichordis* を記載し、2 属 7 新記録種を加え、計 10 属 33 種を記録した。また、属および種への検索表を付した。新種の *D. trichordis* は、雄の前脚の腿節の刺、剛毛などの形状によって他の同属の種と区別できる。