

SARCOPHAGID FLIES FROM ORISSA, INDIA (DIPTERA SARCOPHAGIDAE)

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INTRODUCTION

This paper deals with the collection of Sarcophagid flies from Orissa collected by various parties of the Zoological Survey of India, Calcutta. All the materials are in the National Collection of Zoologica, Survey of India, Calcutta.

1. *Boettcherisca peregrina* (Robineau-Desvoidy)

1830. *Myophora peregrina* Robineau-Desvoidy, *Essai Myodaires*, 1 : 356.

1967. *Boettcherisca peregrina* (Robineau-Desvoidy) : Kano, Field and Shinonaga, *Fauna Japonica, Sarcophagidae* : 17.

Material.—1 ♂, Orissa : Balugoan, 1. 11. 1972, *S. Khera & Party Coll.*; 1 ♂, Orissa : Patna, 20. 3. 1973, *S. K. Gupta & Party Coll.*

Distribution.—Uttar Pradesh : Mussori, Dehra Dun; Maharashtra : Bombay, Nagpur; Tamil Nadu : Coimbatore; Bihar : Pusa Konar; Assam; Gauhati; Andaman Islands : Port Blair. It is reported for the first time from Orissa.

2. *Iranihindia futilis* (Senior-White)

1924. *Sarcophaga futilis* Senior-White, *Rec. Indian Mus.* 26 : 246.

1961. *Iranihindia futilis* (Senior-White) : Rohdendorf, *Stutt. Beitrag. Natur*, 58 : 2.

Material.—1 ♂, Orissa : Taptapani, 14.3.1974, *B. C. Nandi Coll*

Distribution.—Uttar Pradesh : Dehra Dun, Allahabad; Maharashtra : Nagpur; Orissa : Barkuda Island; Bihar : Pusa, Chapra; Assam : Gauhati; West Bengal : Calcutta, Siliguri, Purulia.

3. *Iranihindia martellate* (Senior-White)

1924. *Sarcophaga martellata* Senior-White, *Rec. Indian Mus.*, 26 : 247.

1961. *Iranihindia martellata* (Senior-White) : Rohdendorf, *Stutt. Beitrag. Natur.*, 58 : 2.

Material.—2 ♂♂, Orissa : Balugoan, 18.3.1974, B. C. Nandi Coll.

Distribution.—Maharashtra : Nagpur; Karnataka : Kolar; Tamil-Nadu : Madras, Coimbatore; Kerala : Calicut; Bihar : Patna; West Bengal : Calcutta. It is the first report of this fly from Orissa.

4. *Iranihindia martellatoides* (Baranov)

1931. *Sarcophaga martellatoides* Baranov, *Konowia*, (2)10 : 114.

1961. *Iranihindia martellatoides* (Baranov) : Rohdendorf, *Stutt. Beitrag. Natur.*, 58 : 2.

Material.—2 ♂♂, Orissa : Balugoan, 19. 3.1974, B. C. Nandi Coll.

Distribution.—West Bengal : Calcutta. This species is the first record from Orissa.

5. *Parasarcophaga (s. str.) albiceps* (Meigen)

1826. *Sarcophaga albiceps* Meigen, *Syst. Besch.*, 5 : 22.

1837. *Parasarcophaga (s. str.) albiceps* (Meigen) : Rohdendorf, *Faune l' URSS*, 19(1) : *Sarcophagidae*, 199.

Material.—6 ♂♂ Orissa : Balugoan, 19.3.1974, B. C. Nandi Coll. 1 ♂ Orissa : Nandankanan, 26.3.1974, B. C. Nandi Coll.; 6 ♂♂ Orissa : Taptapani, 14-3-1974, B. C. Nandi Coll.; 2 ♂♂ Orissa : Bhagabanpur, 24.3.1974, B. C. Nandi Coll.; 2 ♂♂ Orissa : Balangir, 1.10.1972, S. Khera & Party Coll.; 1 ♂ Orissa : Baripada, 5.18.1972, S. K. Mitra & Party Coll.; 1 ♂ Orissa : Patna, 20.3.1973, S. K. Gupta & Party Coll.

Distribution.—Uttar Pradesh : Dehra Dun, Allahabad; Haryana : Ambala; Gujrat : Sidapur; Maharashtra : Bombay; Kerala : Calicut; Tamil Nadu : Coimbatore; Bihar : Bhagalpur; Assam : Gauhati; Meghalaya : Shillong, Cherapunji; West Bengal : Burdwan. Recorded for the first time from Orissa.

6. *Parasarcophaga (s. str.) knabi* (Parker)

1917. *Sarcophaga knabi* Parker, *Proc. U. S. Nat. Mus.*, 54: 96.

1958. *Parasarcophaga (s. str.) knabi* (Parker) : Souza Lopes, *Ins. Micron.*, 13 (2) : 36.

Material.—5 ♂♂ Orissa : Taptapani, 15.3.1974, B. C. Nandi Coll.; 1 ♂ Orissa : Kalijugeswar, 19.3.1974, B. C. Nandi Coll.; 1 ♂ Orissa :

Khutra, 18.9.1972, *S. Khera & Party* Coll.; 1 ♂ Orissa : **Bhagabanpur**, 24.3.1974, *B. C. Nandi* Coll.; 1 ♂ Orissa : **Balugan**, 19.3.1974, *B. C. Nandi* Coll.

Distribution.—Uttar Pradesh : Dehra Dun, Allahabad; Haryana : Ambala; Gujarat : Ahmedabad, Surat; Maharashtra : Bombay; Tamil Nadu : Coimbatore; Orissa : Barkuda Island, Balasor; Bihar: Pusa; Assam : Gauhati, Dibrugarh; Andaman Islands : Port Blair; West Bengal : Calcutta.

7. *Parasarcophaga (s.str.) orchidea* (Böettcher)

1913. *Sarcophaga orchidea* Böettcher, *Ann. Mus. Nat. Hungarici*, 11 : 375.
1958. *Parasarcophaga (s. str.) orchidea* (Böettcher) : Souza Lopes, *Ins. Micron*, 13 (2) : 38.

Material.—11 ♂ ♂ Orissa : **Balugan**, 18-20. 3. 1974, *B. C. Nandi* Coll.; 4 ♂ ♂ Orissa : **Nandankanan**, 24-25. 3. 1974, *B. C. Nandi* Coll.; 10 ♂ ♂ Orissa : **Taptapani**, 13-15. 3. 1974, *B. C. Nandi* Coll.; 5 ♂ ♂ Orissa **Bhagabanpur**, 24.3.1974, *B. C. Nandi* Coll.; 1 ♂ Orissa : **Balangir**, 1.10.1972, *S. Khera & Party* Coll.; 2 ♂ ♂ Orissa : **Jharsungada**, 17.10.1972, *S. Khera & Party* Coll ; 1 ♂ Orissa : **Baripada**, 5.8.1972, *S. K. Mitra & Party* Coll.

Distribution.—Maharashtra : **Bombay**, **Parel**; Karnataka **Mangalore**; Bihar : **Pusa**, **Purnea**; Assam : **Gauhati**; Orissa **Barkuda Island**; **Andaman Islands** : **Port Blair**; **West Bengal** ; **Canning**, **Bandel**, **Majerhat**, **Jalpaiguri**.

8. *Parasarcophaga (Jantia) ruficornis* (Fabricius)

1794. *Musca ruficornis* Fabricius, *Ent. Syst.*, 4 : 314.
1958. *Parasarcophaga (Jantia) ruficornis* (Fabricius) : Souza Lopes, *Ins. Micron*, 13(2) : 48.

Material.—1 ♂ Orissa : **Hatisalpara**, 30.12.1971, *P. K. Maity & Party* Coll.

Distribution.—Uttar Pradesh : **Dehra Dun**; Haryana: **Ambala**; Gujarat: **Surat**; Maharashtra: **Nagpur**; Tamil Nadu : **Madras**, **Coimbatore**; Andhra Pradesh : **Waltair**; Orissa; **Cuttack**, **Barkuda Island**; Bihar : **Purnea**, **Pusa**; **West Bengal** : **Calcutta**, **Canning**.

9. *Parasarcophaga (Liosarcophaga) brevicornis* (Ho)

1934. *Sarcophaga brevicornis* Ho, *Bull. Fan. Mem. Inst. Biol*, 5 : 23.
1937. *Parasarcophaga (Liosarcophaga) brevicornis* (Ho) : Rohdendorf, *Faune l' URSS*, 19(1) : 222.

Material.—2 ♂ ♂ Orissa : Balugoan, 29-3-1974, *B. C. Nandi Coll.*

Distribution.—West Bengal : Diamond Harbour. It is the first record from Orissa.

10. *Parasarcophaga (Liosarcophaga) dux* (Thomson)

1868. *Sarcophaga dux* Thomson, *Dipt. Eugen. Reise*, 540.
Parasarcophaga (Liosarcophaga) dux (Thomson) : N. Comb.

Material.—1 ♂ Orissa : Sundergarh, 12-4-1972, *S. Khera & Party Coll.*; 1 ♂ Orissa : Balugoan, 29-3-1974, *B. C. Nandi Coll.*, 1 ♂ Orissa : Baripada, 5-12-1972. *S. K. Maity & Party Coll.*

Distribution.—Uttar Pradesh : Dehra Dun; Kashmir : Jhelum Valley; Punjab : Jallundar; Maharashtra : Bombay, Parel; Tamil Nadu : Madras, Coimbatore, Nilgiri Hills; Orissa : Puri, Cuttack, Sambalpur; Bihar : Pusa; West Bengal : Canning, Domjur, Bali.

11. *Parasarcophaga (Pandelleisca) bainbriggei* (Senior-White)

1925. *Sarcophaga bainbriggei* Senior-White, *Spol. Zeyl.*, 13 : 212.
Parasarcophaga (Pandelleisca) bainbriggei (Senior-White) : N. Comb

Material.—1 ♂ Orissa : Taptapani, 14-3-1974, *B. C. Nandi Coll.*; 1 ♂ Orissa : Nandankanan, 22-3-1974, *B. C. Nandi Coll.*; 1 ♂ Orissa : Balugoan, 29-3-1974, *B. C. Nandi Coll.*

Distribution.—Tamil Nadu : Madras, Coimbatore; Orissa : Balugoan; Bihar : Pusa; West Bengal : Calcutta.

12. *Sarcosolomonina (Parkerimyia) nathani* Lopes & Kano

1969. *Sarcosolomonina (Parkerimyia) nathani* Lopes & Kano, *Pacific Ins.*, 11 (1) : 184.

Material.—1 ♂ Orissa : Balangir, 1-10-1972, *S. Khera & Party Coll.*; 1 ♂ Orissa : Balugoan, 29-3-1974, *B. C. Nandi Coll.*

Distribution.—Tamil Nadu : Singora (Nilgiri Hills); West Bengal Birbhum, (Chandrapur Forest). It is a new record for Orissa.

13. *Sarcosolomonina (Parkerimyia) rohdendorfi* Nandi

1976. *Sarcosolomonina (Parkerimyia) rohdendorfi* Nandi, *Oriental Ins.*, 10(1) : 13..

Material.—2 ♂ ♂ Orissa : Taptapani, 15-3-1974, *B. C. Nandi Coll.*

Distribution.—West Bengal : 24-Parganas (Hijli Forest). This fly is reported for the first time here.

14. Seniorwhitea krameri (Böettcher)

1912. *Sarcophaga krameri* Böettcher, *Ent. Mitt.*, 1 : 165.

1964. *Seniorwhitea krameri* (Böettcher) : Souza Lopes, *Mem. Inst. Oswaldo Cruz.*, 62 : 162.

Material.—2 ♂♂ Orissa : Taptapani, 15-3-1974, *B. C. Nandi* Coll.

Distribution.—Uttar Pradesh : Dehra Dun; Maharashtra : Bombay
Tamil Nadu; Coimbatore; Bihar : Pusa, Chapra, Konor; Assam :
Sibsagar; Orissa : Barkuda Island.

15. Sinonippomia bengalensis Nandi

1977. *Sinonippomia bengalensis* Nandi, *Rev. Brasil. Biol.*, 37(1) : (in Press).

Material.—6 ♂♂ Orissa : Hathisalpara, 30-12-1972 *P. K. Maity & Party* Coll.; 1 ♂, Orissa: Balugoan, 2-10-1972, *S. Khera & Party* Coll.

Distribution.—West Bengal : Bankura (Panchubaga), Midnapore (Arabari Forest); 24-Parganas, (Diamond Harbour). It is a record for Orissa.

16. Thyrsocnema (Pseudothyrsocnema) longistylata Shinonaga & Lopes

1924. *Sarcophaga crinita*, Senior-White, *Rec. Indian Mus.*, 26(3) : 245.

1975. *Thyrsocnema (Pseudothyrsocnema) longistylata* Shinonaga & Lopes
Pacific Ins., 16(4) : 459. (Conspecific).

Material.—2 ♂♂ Orissa ; Hatisalpara, 30-12-1972, *P. K. Maity & Party* Coll.

Distribution.—Tamil Nadu: Madras; Bihar : Pusa ; West Bengal :
Canning; Orissa : Harisalpara, Dongoaposi.

SUMMARY

This paper gives a systematic account of Sarcophagidae (Diptera) from Orissa, India, dealing with 16 species under 8 genera. Out of these, 8 species are recorded for the first time from Orissa. Distributional records of all the species from India are also appended. Two species, *Sarcophaga bainbriggei* Senior-White and *Sarcophaga dux* Thomson are shifted to their proper generic position, viz. *Parasarcophaga* Johnston & Tiegs.

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