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RECORDS OF SOME DERMAPTERA (INSECTA) FROM
NORTH EASTERN INDIA

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INTRODUCTION

The present paper deals with some Dermaptera present at the Eastern Regional Station, Zoological Survey of India, Shillong. Altogether 24 species (excluding one species determined upto generic level which is represented by nymph only) under 17 genera are represented. The collection is mainly from three states viz., Assam, Meghalaya and Arunachal Pradesh and several new locality records for various species are recorded. Besides, some species, namely, *Cranopygia manipurensis* Srivastava (1975); *Liparura serrata* Srivastava (1977) and *Prosadiya tricota* Hebard (1923) which were hitherto known by types are reported on some additional material.

SYSTEMATIC ACCOUNT

Family PYGIDICRANIDAE

Subfamily PYGIDICRANINAE

1. *Cranopygia* sp.

Material studied.—ARUNACHAL PRADESH : Siang district : Baser, 1 nymph, 14.ii.1973, coll. R. S. Pillai.

Distribution : India (Arunachal Pradesh).

2. *Cranopygia fletcheri* Bharadwaj & Kapoor

Cranopygia fletcheri Bharadwaj & Kapoor, 1967, *Bull. Ent.*, 8 : 1.

Material studied : MEGHALAYA : Khasi hills : Shillong, 4 exs. (Risa Colony : 1 ♂, 17.vi.1972, coll. S. Biswas ; 1 ♀, 27.v.1976, coll. K. Deb ; Fisheries compound, 1 ♀, 3. vii. 1976, Coll. M. S. Jyrwa ; Fruit garden, 1 ♂, 30.vii.1976, coll. M. S. Jyrwa).

Distribution : India (Assam and Meghalaya).

3. *Cranopygia manipurensis* Srivastava

Cranopygia manipurensis Srivastava, 1975, *J. zool. Soc. India*, 27 (1-2) : 101.

Material studied : MANIPUR : Tarbung basti, 1 ♂, 27.iii.1975, coll. M. Dutta ; Domba, 1 ♀, 28.i.1977, coll. S. G. Patil.

Distribution : India (Manipur).

Remark : Hitherto this species was known by types only.

Family CARCINOPHORIDAE

Subfamily CARCINOPHORINAE

4. *Aborolabis pervicina* (Burr)

Anisolabis pervicina Burr, 1913, *Rec. Indian Mus.*, 8 : 137.

Material studied : ARUNACHAL PRADESH : Siang district : Baser, 1 ♂, 3 ♀ ♀, 7.ii.1973, coll. R. S. Pillai ; Along, 14 exs. (2 ♀ ♀ 10.ii.1973, 2 ♂ ♂, 10 ♀ ♀, 12.ii.1973 coll. R. S. Pillai) ; ca 2 Kms from Dale village on Baser Lekhabali road, 8 ♂ ♂, 21 ♀ ♀, 14.ii.1973, coll. R. S. Pillai ; Lekhabali, 3 ♂ ♂, 5 ♀ ♀, 16.ii.1973, coll. R. S. Pillai, ASSAM : North Cachar hills district, Garampani, 1 ♂, 2 ♀ ♀, 13.iii.1970, coll. S. K. Talukder ; Sibsagar district, Kaziranga, Mukumukh, 1 ♀, 24.ii.1974, coll. M. Dutta. MEGHALAYA : Garo hills : Napak hill, ca, 8 Kms east of Songsek, 3 ♀ ♀, 12.iv.1973, coll. S. Biswas ; Songsek, 1 ♀, 15.xi.1973, coll. S. Biswas ; Selbagiri, 1 ♀, 25.ii.1975, coll. S. Biswas ; Khasi hills : Cherrapunjee, Mawsmi, 2 ♀ ♀, 21.iii.1972, coll. R. S. Pillai ; Mawphlong, 13 exs (1 ♀, 14.v.1963, 2 ♀ ♀, 27.v.1963, coll. V. D. Srivastava ; 1 ♂, 2 ♀ ♀, 16.iv.1964, 2 ♂ ♂, 1 ♀, 28.iv.1971, coll. S. Biswas ; 4 ♀ ♀, 4.xi.1972, coll. A. K. Ghosh) ; Lumparing, 1 ♂, 2 ♀ ♀, 27.ix.1976, coll. M. S. Jyrwa ; Shillong, 3 exs. (Shillong peak, 1 ♀, 4.vii.1967, coll. R. K. Vershney ; Bishnupur, 1 ♂, 1 ♀, 4.xii.1968, coll. S. Biswas) ; Elephant falls, 1 ♀, 6.ix.1975, coll. S. K. Chanda ; Umphrenei, 3 ♂ ♂, 4 ♀ ♀, 5.v.1964, coll. S. Biswas ; Umran, 1 ♀, 16.xii.1971, coll. S. Biswas ; Umtynger, 1 ♂, 26.vi.1964, coll. S. Biswas.

Distribution : India (Arunachal Pradesh, Assam and Meghalaya) ; Nepal and Bhutan.

Remark : This species is recorded here for the first time from Meghalaya.

Family LABIDURIDAE

Subfamily NALINAE

5. *Nala lividipes* (Dufour)

Forficula pallipes Dufour, 1820, *Ann. gener. des. Sc. Phys. de Bruxelles*, 4, table 1 : 307.

Forficula lividipes Dufour, 1829, *Annl. Sci. nat.*, 13 : 140 (new name proposed).

Material studied : MEGHALAYA : Garo hills : Songsek, 1 ♂, 15.xi.1973, coll. *S. Biswas* ; Damra rest house, 1 ♂, 20.xi.1973, coll. *S. Biswas* ; Selbagiri, 1 ♂, 25.ii.1975, coll. *S. Biswas*.

Distribution : Widely distributed throughout Tropical Asia, Southern Europe, Africa and Australia.

6. *Nala nepalensis* (Burr)

Labidura nepalensis Burr, 1907, *Rec. Indian Mus.*, 1 : 208.

Material studied : ARUNACHAL PRADESH : Siang district : Kopi village, 4 ♀ ♀, 7.ii.1973 ; Michi river, 1 ♀, 7.ii.1973 ; Baser, 1 ♀, 14.ii.1973, coll. *R. S. Pillai*, MEGHALAYA : Garo hills : Rongrengiri, 1 ♀, 19.iv.1973, coll. *S. Biswas* ; Ganol river bank, 1 ♀, 14.ii.1971, coll. *G. M. Yazdani* ; Selbagiri, 1 ♀, 25.ii.1975, coll. *S. Biswas* ; Khasi hills ; Mawlodak, 5 ♀ ♀, 5 nymph, 4.iii.1970, coll. *G. M. Yazdani* ; Shillong, Sati falls, 2 ♀ ♀, 1 nymph, 25.v.1967, coll. *R. K. Vershney*.

Distribution : India, Nepal, Malaya, Indo-China and Afghanistan.

Subfamily LABIDURINAE

7. *Labidura riparia* (Pallas)

Forficula riparia Pallas, 1773, *Reise Russ. Reichs* 2 : 227.

Material studied : ARUNACHAL PRADESH : Siang district : Balorishat, 2 ♂ ♂, 12.ii.1973 ; Sargam, 1 ♂, 1 ♀, 9.ii.1973 ; Lekhabali, 1 nymph, 16.ii.1973, coll. *R. S. Pillai*, MEGHALAYA : Garo hills, Anogiri, 1 nymph, 8.xi.1973, coll. *S. Biswas* ; Kashi Hills, Shillong, 1 nymph, 21.v.1971, coll. *S. Biswas* ; Jaintia hills, Sonapurdi, 2 ♂ ♂ 3 ♀ ♀, 7.viii.1974, coll. *A. R. Lahiri*.

Distribution : Almost cosmopolitan.

8. *Forcipula decolyi* Bormans

Forcipula decolyi Bormans, 1900, *Annali. Mus. civ. Stor. nat. Giacomo Doria* 20 : 444.

Material studied : ARUNACHAL PRADESH : Siang district : Baser, 4 ♂ ♂, 5 ♀ ♀, 11 nymphs, 7.ii.1973 ; Kichi river, 2 ♂ ♂, 3 ♀ ♀, 2 nymphs, 7.ii.1973, coll. *R. S. Pillai*, ASSAM : Kamrup district, Kahitima, Hakawa river, 1 ♀, 1 nymph, 12.i.1974, coll. *A. K. Ghosh*.

Distribution : India, Nepal, Sikkim, China (Szechwan) and New Guinea.

9. *Forcipula trispinosa* (Dohrn)

Labidura trispinosa Dohrn, 1863, *Stettin. ent. Ztg.*, 24 : 310.

Material studied : MEGHALAYA : Garo hills, Selbagiri, 2 ♂♂, 25.ii.1975, coll. S. Biswas.

Distribution : India, Nepal, Bhutan and Burma.

Family APACHYIDAE

10. *Apachyus feae* Bormans

Apachyus feae Bormans, 1894, *Annali. Mus. civ. Stor. nat. Giacomo Doria*, 14 : 373.

Material studied : MEGHALAYA : Garo hills, Songkhama, 1 ♀, 15.xi.1973, coll. S. Biswas.

Distribution : India, Bhutan, Sikkim, Burma, China (Yunnan) and Vietnam.

Family LABIIDAE

Subfamily LABIINAE

11. *Labia curvicauda* (Motschulsky)

Forficesila curvicauda Motschulsky, 1863, *Bull. Soc. Imp. Nat. Moscou*, 36 : 2.

Material studied : ASSAM : Kamrup district, Kahitima, 4 ♂♂, 1 ♀, 13.i.1974, coll. S. Biswas, MEGHALAYA : Garo hills, Anogiri, 2 ♂♂, 1 ♀, 8.xi.1973, coll. S. Biswas.

Distribution : Cosmopolitan.

12. *Labia lutea* (Bormans)

Spongophora lutea Bormans, 1894, *Annali. Mus. civ. Stor. nat. Giacomo Doria*, 14 : 386

Material studied : ASSAM : Kamrup district, Kahitima, 1 ♀, 13.i.1974, coll. S. Biswas, MEGHALAYA : Garo hills, Anogiri, 4 ♂♂, 3 ♀♀, 1 nymph, 8.xi.1973, coll. S. Biswas.

Distribution : India, Burma, China, Sumatra and Hainan Is.

Remarks : This is a very variable species as far as the size of eyes, pronotum, development of wings, ultimate tergite, pygidium and forceps are concerned.

13. *Chaetospania feae* Bormans

Chaetospania feae Bormans, 1894, *Annali. Mus. civ. Stor. nat. Giacomo Doria*, 14 : 390.

Material studied : ASSAM : North Cachar hills, Jatinga, 1 ♂, 1 ♀, 24.x.1978, coll. S. Biswas.

Distribution : India, China, Ceylon, Burma, Sumatra, Java, Lombok, Philippine Isls. and Borneo.

Family SPONGIPHORINAE

14. *Spongovostox semiflavus* (Bormans)

Spongophora semiflava Bormans, 1894, *Annali. Mus. civ. Stor. nat. Giacomo Doria*, 14 : 385.

Material studied : ASSAM : Kamrup district, Kahitima beel, : Hakawa river, 1 ♂, 3 ♀ ♀, 12.i.1974, coll. A. K. Ghosh.

Distribution : India, China (Yunnan), Ceylon, Burma, Vietnam, Sumatra, Simalur, Java, Sumba and Bismark Is.

15. *Homotages feae* (Bormans)

Anechura feae Bormans, 1888, *Annali. Mus. civ. Stor. nat. Giacomo Doria*, 6 : 445.

Material studied : MEGHALAYA : Khasi hills : Mawphlong, 9 exs. (1 ♂, 1 ♀, 8.xi.1967, coll. R. K. Vershney, 2 ♂ ♂, 1 ♀, 4.xi.1972 ; 1 ♀, 5.iv.1973, coll. A. K. Ghosh ; 1 ♂, 21.x.1974, coll. S. K. Gupta ; 1 ♀, 27.xi.1974, coll. S. Biswas), Shillong, 1 ♀, 21.v.1971, coll. S. Biswas.

Distribution : India, Burma and Nepal.

Family CHELISOCHIDAE

16. *Adiathetus glaucopterus* (Bormans)

Chelisoche glaucopterus Bormans, 1888, *Annali. Mus. civ. Stor. nat. Giacomo Doria*, 6 : 441.

Material studied : ARUNACHAL PRADESH : Subansiri district, Daporijo, 1 ♂, 1 ♀, 19.ii.1975, coll. K. R. Rao, ASSAM : Sibsagar district, Kaziranga, 1 ♂, 20.ii.1974, coll. M. Dutta.

Distribution : India, Nepal, Bhutan, China (Yunnan), Burma and Vietnam.

Family FORFICULIDAE

Subfamily ALLODAHLINAE

17. *Allodahlia coriacea* (Bormans)

Anechura coriacea Bormans, 1894, *Annali. Mus. civ. Stor. nat. Giacomo Doria*, 14 : 403.

Material studied : MEGHALAYA : Garo Hills, Damgiri, south of Rest house, 1 ♂, 11.iv.1971, coll. R. S. Pillai.

Distribution : India, China, Burma, Vietnam and Borneo.

18. *Allodahlia macropyga* (Westwood)

Forficula macropyga Westwood, 1839, in *Royle Ill. Bot. Nat. Hist. Himalayan Mts.*, 1 (2) : 53.

Material studied : MEGHALAYA : Khasi hills : Cherrapunjee, 1 ♂, 20.vii.1965, coll. R. K. Varshney ; Shillong, Laitkor, 2 exs. (1 ♂, 10.vii.1965, 1 nymph, 20.viii.1965, coll. B. K. Tikader).

Distribution : India, Nepal, Bhutan, China, Burma and Thailand.

19. *Allodahlia scabriuscula* (Serville)

Forficula scabriuscula Serville, 1839, *Hist. Nat. Ins. Orth.* : 38.

Material studied : ARUNACHAL PRADESH : Siang district, Along, 1 ♀, 9.ii.1974, coll. R. S. Pillai, MEGHALAYA : Jaintia hills, Shangphung, 2 ♂ ♂, 7.xii.1975, coll. S. K. Chanda ; Khasi hills, Jaiaw, 1 ♂, 9.xi.1972, coll. R. S. Giri.

Distribution : India, Bhutan, South China, Vietnam, Sumatra, Java, Bali, Borneo, Philippine Isls., Taiwan and Japan.

Subfamily EUDOHRNINAE

20. *Eudohrnia metallica* (Dohrn)

Forficula metallica Dohrn, 1865, *Stettin. ent. Ztg.*, 26 : 90.

Material studied : MEGHALAYA : Khasi hills, Mawpat, 1 ♂, 22.vi.1964, coll. S. Biswas.

Distribution : India (Meghalaya and Sikkim), Nepal, South China, Burma and Vietnam.

Subfamily OPISTHOCOSMIINAE

21. *Liparura serrata* Srivastava

Liparura serrata Srivastava, 1977, *Orient. Insects*, 11 (2) : 193.

Material studied : MANIPUR : Shiroi, 3 ♂ ♂, 4 ♀ ♀, 24.i.1977, coll. S. G. Patil.

Distribution : India (Manipur).

Remarks : Hitherto this species was known by types only.

22. *Prosadiya tricota* Hebard

Prosadiya tricota Hebard, 1923, *Mem. Dep. Agric. India ent. Ser.*, 7 : 234.

Material studied : ASSAM : North Cachar Hills, Jatinga, 1 ♂, 29.ix.1978, coll. S. Biswas.

Distribution : India : Assam.

Remarks : This is the second subsequent record of the species.

23. *Timomenus lugens* (Bormans)

Opisthocomia lugens Bormans, 1894, *Annali. Mus. civ. Stor. nat. Giacomo Doria*, 14 : 398.

Material studied : ASSAM : North Cachar hills, Jatinga, 1 ♂, 24.ix.1978, coll. S. Biswas, MEGHALAYA : Garo hills, Anogiri, 1 ♂, 8.xi.1973, coll. S. Biswas.

Distribution : India, China (Yunnan), Burma and Malaysia.

24. *Timomenus oannes* (Burr)

Opisthocosmia oannes Burr, 1900, *Ann. Mag. nat. Hist.*, (7) 6 : 85.

Material studied : MEGHALAYA : Shillong, 3 exs (Lake side, 1 ♂, 21.ix.1959, coll. S. N. Prasad ; Lawsohtun, 1 ♂, 1 ♀, 28.ii.1967, coll. R. K. Vershney) ; Myllem, 1 ♂, 24.ix.1966, coll. S. K. Chanda.

Distribution : India (Assam and Meghalaya), China (Yunnan) and Vietnam.

25. *Eparchus insignis* (Haan)

Forficula insignis Haan, 1844, *Verh. nat. Ges. nederl. Overzee. Bezitt.*, 243.

Material studied : ARUNACHAL PRADESH : Siang district, Along 1 ♂, 9.ii.1973, coll. R. S. Pillai. ASSAM : North Cachar hills, Garampani, 2 ♀ ♀, 26.i.1976, coll. A. K. Ghosh ; Jatinga, 1 ♂, 24.ix.1978, coll. S. Biswas. MANIPUR : Tabungbasti, 3 ♂ ♂, 27.iii.1975, coll. M. Dutta. MEGHALAYA : Garo hills, Damra, 1 ♂, 20.xi.1973, coll. S. Biswas ; Khasi Hills : Mawphlong, 1 ♂, 4.xi.1973, coll. A. K. Ghosh ; Shillong : Risa colony, 1 ♂, 14.xi.1972, coll. R. S. Giri ; Tripura Castle road, 1 ♂, 1 ♀, 27.vi.1972, coll. S. Biswas.

Distribution : Eastern India (Arunachal Pradesh, Assam, Manipur, Meghalaya and Sikkim), Burma, Ceylon, Indo-China, Sumatra, Java, Celebes and Hainan Is.

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