

**RECORDS OF CULICINE MOSQUITOES FROM BASTAR DISTRICT  
(MADHYA PRADESH), INDIA. (DIPTERA : CULICIDAE), PART—II.  
GENUS AEDOMYIA, ARMIGERES, COQUILLELTIDIA,  
HEIZMANNIA, MANSONIA AND MIMOMYIA**

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**INTRODUCTION**

Except a short record by Hussainy (1981) and subsequent publication by Rajput and Kulkarni (1984), Bastar district of Madhya Pradesh remained unknown for their Culicine fauna. Genus *Aedomyia*, *Coquillettidia*, *Heizmannia* and *Mimomyia* included in the present communication is the first record for the Bastar district, while under the genus *Armigeres* and *Mansonia*, only *Armigeres subalbatus*, *Mansonia annulifera* and *M. uniformis* could be recorded by earlier workers. The present communication deals with the additional records of 10 species of mosquitoes under 6 genera viz., *Aedomyia*, *Armigeres*, *Coquillettidia*, *Heizmannia*, *Mansonia* and *Mimomyia* collected during the period from 1980 to 1982.

The classification and nomenclature, used here is mainly based on the synoptic catalogue mosquitoes of the world (Knight and Stone, 1977; Knight, 1978). Identification was done mainly on adult characters. Genital characters of males and the characters of immature stages were also taken into consideration whenever those forms were available. The description of the study area, climate, topography and materials & methods have already been included in part-I (Rajput and Kulkarni, 1984).

**SYSTEMATIC ACCOUNT**

**Genus *Aedomyia* Theobald**

**1. *Aedomyia catasticta* Knab**

1909. *Aedomyia catasticta* Knab, *Ent. News.* **20** : 387.

1977. *Aedomyia catasticta* : Knight and Stone : 69.

*Material examined*, 6 ♀♀, 28 ♂♂ : *Dongariguda* — 1 ♂ (10 Apr. '81) from herb vegetation, *Jagdalpur*—1 ♂ (18 Jan. '82) from human dwelling, 1 ♂ (24 Feb. '81) reared from lerva from pond, *Kangoli* — 22 ♂♂ (21 Nov. '81) from herbs,

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Kurandi—2 ♀♀, 3 ♂♂ (27 Mar. '80 — 11 Sept. '80) from bovine bait, 4 ♀♀ (25 Feb. '80) from human bait.

### Genus *Armigeres* Theobald

#### 2. *Armigeres subalbatus* (Coquillett.)

1889. *Culex subalbatus* coquillett. *Proc. U. S. nat. Mus.* 21 : 302.

1977. *Armigeres subalbatus* : Knight and Stone : 172.

*Material examined.* — 57 ♀♀, 25 ♂♂ : Aghanpur — 4 ♀♀ (11 Aug. '81 — 3 Dec. '81) from herbs. Chindawada — 1 ♀ (28 Jan. '82) from cattle shed. Darbha — 1 ♀ (22 Sept. '80), 3 ♀♀ (2 Mar. '81 — 18 Aug. '81) from bovine bait ; 7 ♀♀ (17 Mar. '80 — 13 Oct. '80), 9 ♀♀ (17 Mar. '81 — 15 Sept. '81) from human bait. Gumiyapal— 2 ♀♀, 1 ♂ (17 Sept. '80) larvae reared from discarded pitcher. Jadgalpur — 1 ♀ (10 Jan. '81) from herb vegetation. Kakalgur — 1 ♂ (10 Feb. '81) from herbs. Kotamsar — 1 ♀ (5 Feb. '81) from human bait. Kurandi — 2 ♀♀ (13 Nov. '80 — 11 Dec. '80), 4 ♀♀ (29 Jan. '81 — 12 Mar. '81) from bovine bait ; 1 ♀ (13 Nov. '80), 4 ♀♀ (26 Feb. '81 — 1 May '81) from human bait ; 2 ♀♀ (11 Feb. '81) from herb vegetation. Orcha — 2 ♀♀ (30 Nov. '81) from bovine bait. Pakhanjore — 8 ♀♀, 9 ♂♂ (27 Aug. '81 — 28 Nov. '81) from herb vegetation. Pandripani—1 ♀, 3 ♂♂ (14 Sept. '81) reared from larvae from bamboo cut ; 1 ♀ (18 Jan. '82) from herb vegetation. Rajur — 1 ♀, 4 ♂♂ (23 Sept. '81) reared from larvae from log—hole. Sargipal—2 ♀♀, 1 ♂ (23 Nov. '80) from shrub vegetation. Tokapal — 2 ♀♀, 2 ♂♂ (23 Sept. '81) reared from larvae from bamboo cut ; 2 ♂♂ (11 Jan. '82) from herb vegetation.

#### 3. *Armigeres theobaldi* Barraud

1934. *Armigeres theobaldi* Barraud, *Monog. Cul.* 1 : 320.

1977. *Armigeres theobaldi* : Knight and Stone : 172.

*Material examined.* — 18 ♀♀, 2 ♂♂ : Adawal — 1 ♂, 1 ♂ (20 Oct. '80) from herb vegetation. Bastar — 1 ♀ (20 Nov. '80) from herb vegetation. Darbha — 2 ♀♀ (1 Aug. '80 — 22 Sept. '80), 2 ♀♀ (18 Aug. '81) from bovine bait ; 2 ♀♀ (21 Jul. '80), 4 ♀♀ (18 Aug. '81) from human bait, 1 ♀ (12 Nov. '80), 1 ♀ (17 Feb. '81) from herb vegetation. Kakalgur— 1 ♀ (29 Jul. '80) from herb vegetation. Kotamsar — 1 ♀ (14 Apr. '80) from bovine bait. Kumarawand — 1 ♀ (10 Nov. '81) from herb vegetation. Kurandi— 1 ♀ (25 Sept. '80) from herb vegetation. Rajur — 1 ♀ (11 Jan. '82) from shrub vegetation.

### Genus *Coquillettidia* Dyar

#### 4. *Coquillettidia crassipes* (Van der Wulp)

1981. *Culex crassipes* Van der Wulp, *Bijd. Fauna Mid. Sumatra, Dipt.* : 9.

1977. *Coquillettidia crassipes* : Knight and Stone : 290.

*Material examined.* — 2 ♀♀, 4 ♂♂ : Bastar—1 ♀, 2 ♂♂ (20 Nov. '80). Gumiyapal— 1 ♂ (17 Nov. '81). Kachora—1 ♀ (9 Nov. '81). Pandripani—1 ♂ (14 Dec. '81). All the specimens were collected from herb vegetation.

Genus **Heizmannia** Ludlow5. **Heizmannia complex** (Theobald)

1910. *Bolbodeomyia complex* Theobald, *Rec. Indian Mus.* 4 : 31.  
 1977. *Heizmannia complex* : Knight and Stone : 182.

*Material examined*—3 ♀♀, 4 ♂♂ : *Dhaniyalur*—3 ♀♀, 4 ♂♂ (16 Jul. '81) larvae reared from tree hole.

Genus **Mansonia** Blanchard6. **Mansonia annulifera** (Theobald)

1901. *Panoplitus annulifera* Theobald, *Monog. Cul.* : 183.  
 1977. *Mansonia annulifera* : Knight and Stone : 297.

*Material examined*—2 ♀♀ : *Kurandi*—1 ♀ (11 Dec. '80) from bovine bait. *Tahakapal*—1 ♀ (21 Jan. '82) from cattle shed.

7. **Mansonia indiana** Edwards

1930. *Mansonia indiana* Edwards, *Bull. Ent. Res.* 21 : 541.  
 1977. *Mansonia indiana* : Knight and Stone : 297.

*Material examined.*—48 ♀♀, 2 ♂♂ : *Aghanpur*—2 ♂♂ (1 Sept. '80) from herb vegetation. *Darbha*—14 ♀♀ (7 Jul. '80 — 1 Aug. '80) from bovine bait ; 9 ♀♀ (8 Sept. '81 — 17 Nov. '81) from human bait, 3 ♀♀ (16 Feb. '81) from herb vegetation. *Karanji*—2 ♀♀ (12 Nov. '80), 4 ♀♀ (6 Jan. '81) from bovine bait ; 3 ♀♀ (19 Sept. '81) from herb vegetation. *Kurandi*—3 ♀♀ (27 Mar. '80 — 25 Apr. '80), 5 ♀♀ (13 Nov. '81) from bovine bait ; 4 ♀♀ (6 Jul. '82) from herbs. *Sargipal*—1 ♀ (23 Nov. '80) from herb vegetation.

8. **Mansonia uniformis** (Theobald)

1901. *Panoplitus uniformis* Theobald, *Monog. cul.* 2 : 180.  
 1977. *Mansonia uniformis* : Knight and Stone : 297-298.

*Material examined.*—362 ♀♀, 37 ♂♂ : *Aghanpur* — 7 ♀♀ (26 Sept. '81) from herb vegetation ; 2 ♀♀ (21 Nov. '81) from cattle shed. *Balenga* — 1 ♀ (22 Jul. '81) from herb vegetation. *Bastar* — 2 ♀♀, 1 ♂ (20 Nov. '80) from herb vegetation. *Darbha* — 32 ♀♀ (7 Jul. '80 — 13 Oct. '80), 61 ♀♀ (16 Feb. '81 — 15 Sept. '81) from bovine bait, 34 ♀♀ (17 Mar. '80 — 16 Dec. '80), 54 ♀♀, 14 ♂♂ (16 Feb. '81 — 15 Sept. '81) from human bait ; 5 ♀♀, 1 ♂ (19 Sept. '81) from herb vegetation. *Dhaniyalur*—1 ♀ (11 Jul. '80) from herb vegetation. *Jagdalpur* — 3 ♀♀ (12 Nov. '80) from herbs. *Karanji* — 2 ♀♀ (12 Nov. '81) from bovine baits, 2 ♀♀ (6 Jan. '82) from human bait. *Kotamsar*—1 ♀ (27 Jun. '80) from bovine bait. *Kumarawand*—2 ♀♀ (10 Nov. '81 — 3 Dec. '81) from herb vegetation. *Kurandi* — 89 ♀♀, 19 ♂♂ (27 Mar. '80-29 Dec. '80), 6 ♀♀, 1 ♂ (29 Jan. '81 — 26 Mar. '81) from bovine bait ; 34 ♀♀, 1 ♂ (25 Apr. '80 — 29 Dec. '80), 16 ♀♀ (29 Jan. '81 — 1 May '81) by human bait. *Sargipal*—7 ♀♀ (23 Nov. '80) from shrub vegetation. *Tokapal*—1 ♀ (23 Sept. '81) from shrub vegetation.

Genus *Mimomyia* (Theobald)9. *Mimomyia chamberlaini* (Ludlow)1904. *Ficalbia chamberlaini* (Ludlow), *Can. Ent.* **36** : 297.1977. *Mimomyia chamberlaini* : Knight and Stone : 285.

*Material examined*.—6 ♀♀ : Jagdalpur—6 ♀♀ (18 Jan. '81 — 17 Apr. '81) reared from larvae from weedy ponds.

10. *Mimomyia luzonensis* (Ludlow)1905. *O'Reillia luzonensis* (Ludlow), *Can. Ent.* **37** : 101.1977. *Mimomyia luzonensis* : Knight and Stone : 284.

*Material examined*—7 ♀♀, 5 ♂♂ : Bastar — 1 ♀ (22 Dec. '81) from herb vegetation, Bhond—1 ♂ (15 Dec. '81) from tree hole. Bringpal—1 ♀, 1 ♂ (14 Dec. '81 — 18 Jan. '82) from pit shelter. Darbha—2 ♀♀ (18 Nov. '80 — 17 Feb. '81) from pit shelters. Dhaniyalur—1 ♂ (16 Jun. '82) from burrow. Dongariguda—1 ♂ (9 Nov. '81) Kumarawand—1 ♂ (21 Nov. '81) from dried leaves. Potanar—2 ♀♀ (21 Jan. '82) from dried well. Takaraguda—1 ♀ (15 Dec. '81) from a tree hole.

## SUMMARY

The present communication deals with the distribution record of *Aedomyia catasticta*, *Armigeres subalbatus*, *A. theobaldi*, *Coquillettidia crassipes*, *Heizmannia complex*, *Mansonia annulifera*, *M. Indiana*, *M. uniformis*, *Mimomyia chamberlaini* and *M. luzonensis* from Bastar district of Madhya Pradesh. Except *Armigeres subalbatus*, *Mansonia annulifera* and *M. uniformis* all are recorded for the first time from this district.

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