

CLASSIFICATION AND SYNONYMY OF THE CRANE-FLIES DESCRIBED BY ENRICO BRUNETTI (DIPTERA: FAMILIES PTYCHOPTERIDAE, TRICHO CERIDAE AND TIPULIDAE)

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I—INTRODUCTION

Between 1911 and 1924, the late Enrico Brunetti described as new approximately 240 species of crane-flies, the great majority from the area comprised within the limits of former British India and Burma. Due in part to circumstances beyond his control, as discussed in papers by Alexander (1942) and Edwards (1924)**, Brunetti's arrangement of many of his species to genera was questionable, with the result that subsequent taxonomic work on these flies from this faunal area proved difficult and uncertain. Edwards (1924) was able to examine certain of the Brunetti types that were brought to London by the describer while some others have been seen by the writer, having been loaned me for study through the kind and appreciated interest of the authorities of the Indian Museum. It is believed that the present distribution of these species, with an indication of synonymy as it appears certain at the present time, may prove helpful to later workers on the crane-flies of this particularly interesting region.

*Contribution No. 1234 from the Department of Entomology, University of Massachusetts, Amherst, Massachusetts, U.S.A.

**Dates in parenthesis refer in most instances to papers cited in the short Bibliography that follows this introductory statement.

Almost all of the species concerned are Indian and these are treated separately from the few further forms that were described from elsewhere in the Oriental and Australasian regions. In virtually all cases, the locality given represents the type station for the species in question.

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II--THE INDIAN SPECIES OF CRANE-FLIES DESCRIBED BY BRUNETTI

PTYCHOPTERIDAE

- **Ptychoptera annandalei* Brun., 1918 : 256 . . . Burma : Southern Shan States.
- P. distincta* Brun., 1911 : 232 . . . E. Himalayas : Darjiling.
- **P. tibialis* Brun., 1911 : 233 (synonym *P. atritarsis*
Brun., 1911 : 234) . . . E. Himalays : Darjiling.

*Indicates species of which type material is present in the collection of the Zoological Survey of India, Calcutta (A .P. Kapur).

TRICHOCERIDAE

- **Paracladura elegans* Brun., 1911 : 288 . . E. Himalayas : Darjiling.
 **P. gracilis* Brun., 1911 : 287 (synonym *P. flava*
 Brun., 1912 : 512, as *Trichocera*) . E. Himalayas : Darjiling.
 **Trichocera montana* Brun., 1912 : 513 . . W. Himalayas : Garwal Dis-
 trict.
 **T. punctipennis* Brun., 1912 : 511 . . W. Himalayas : Simla.

TIPULIDAE

TIPULINAE

- **Ctenacroscelis carmichaeli* (Brun., 1913 *b* : 257, as
Tipula) E. Himalayas : Darjiling.
 **C. dives* (Brun., 1912 : 307, as *Tipula*) E. Himalayas : Kurseong.
 **C. flavoides* (Brun., 1918 : 267, as *Tipula*) Assam : Garo Hills.
C. flavus (Brun., 1911 : 252, as *Tipula*) . E. Himalayas : Sikkim.
 **C. fulvolateralis* (Brun., 1911 : 249, as *Tipula*)
 (synonym *C. sikkimensis* Enderlein, 1912 : 1) W. Himalayas : Kumaon.
C. fumipennis (Brun., 1911 : 250, as *Tipula*) (pre-
 occupied—renamed *cerbereanus* Alexander,
 1942 : 29) E. Himalayas : Darjiling.
 **C. majesticus* (Brun., 1911 : 248, as *Tipula*) E. Himalayas : Darjiling.
 **C. ochripes* (Brun., 1911 : 260, as *Tipula*) Ceylon.
 **C. ornatithorax* (Brun., 1911 : 258, as *Tipula*) E. Himalayas : Darjiling.
 **C. serricornis* (Brun., 1912 : 309, as *Tipula*) (pre-
 occupied—renamed *cressida* Alexander, 1953) W. Himalayas : Kumaon.
 **Nephrotoma concolorithorax* (Brun., 1912 : 346, as
Pachyrhina) Assam : Khasi Hills.
 **N. consimilis* (Brun., 1911 : 266, as *Pachyrhina*) E. Himalayas : Darjiling.
 **N. dorsopunctata* (Brun., 1911 : 265, as *Pachyrhina*) Bihar : Purneah District.
N. fuscoflava (Brun., 1918 : 275, as *Pachyrhina*) Pakistan : Punjab.
 **N. gamma* (Brun., 1912 : 347, as *Pachyrhina*) Assam-Bhutan Border.
 **N. hypocrites* (Brun., 1918 : 276, as *Pachyrhina*)
 (synonym—*N. nigroapicalis* Brun., 1918 : 335,
 as *Eriocera*) E. Himalayas : Darjiling.
N. parvinotata (Brun., 1918 : 276, as *Pachyrhina*) Pakistan : Peshawar District.
 **N. pleurinotata* (Brun., 1912 : 343, as *Pachyrhina*) Ceylon.
 **N. puncticornis* (Brun., 1912 : 343, as *Pachyrhina*) E. Himalayas : Darjiling.
 **N. serricornis* (Brun., 1912 : 341, as *Pachyrhina*) . E. Himalayas : Darjiling.

- **Pachyrhina demarcata* Brun., 1912 : 344 (preoccupied—renamed *Tipula* (*Schummelia*) *sessilis* Edwards) E. Himalayas : Darjiling.
- Ctenophora* (*Tanyptera*) *indica* (Brun., 1918 : 257, as *Xiphura*) E. Himalayas : Darjiling.
- **C* (*Pselliophora*) *aurantia* (Brun., 1918 : 260, as *Pselliophora*) Assam : Garo Hills.
- **C.* (*P.*) *approximata* (Brun., 1918 : 259, as *Pselliophora*) S. India : North Kanara District.
- **C.* (*P.*) *divisa* (Brun., 1911 : 242, as *Pselliophora*) "East Indies" ; E. Himalayas.
- **C.* (*P.*) *flavofasciata* (Brun., 1918 : 259, as *Pselliophora*) Assam : Garo Hills.
- **C.* (*P.*) *immaculipennis* (Brun., 1911 : 243, as *Pselliophora*) Assam : Sylhet.
- C.* (*P.*) *laeta trilineata* (Brun., 1911 : 240, as *Pselliophora*) S. India : Nilgiri Hills.
- C.* (*P.*) *latifascipennis* (Brun., 1918 : 260, as *Pselliophora*) S. India : Coorg.
- Prionota* (*Plocimas*) *serraticornis* (Brun., 1911 : 242, as *Pselliophora*) (synonym *P.* (*P.*) *elongata* Edwards, 1913 : 202, as *Pselliophora*) Ceylon.
- **Tipu a* (*Brithura*) *gravelyi* Brun., 1918 : 264 (synonym of *T.* (*B.*) *crassa* Edwards, 1916) E. Himalayas : Darjiling.
- T.* (*B.*) *imperfecta* Brun., 1913 : 260 E. Himalayas : Darjiling.
- **T.* (*Bellardina*) *griseipennis* Brun., 1912 : 321 W. Himalayas : Garhwal District.
- **T.* (*B.*) *splendens* Brun., 1912 : 314 (preoccupied—renamed *brunettiana* Alexander, 1920) W. Himalayas : Garhwal District.
- **T.* (*B.*) *tesselatipennis* Brun., 1912 : 317 W. Himalayas : Kumaon.
- **T.* (*Nippotipula*) *pulcherrima* Brun., 1912 : 310 W. Himalayas : Kumaon.
- **T.* (*Schummelia*) *continuata* Brun., 1912 : 328 E. Himalayas : Darjiling.
- **T.* (*S.*) *demarcata* (Brun., 1912 : 344, as *Pachyrhina*) (preoccupied—renamed *sessilis* Edwards) E. Himalayas : Darjiling.
- **T.* (*S.*) *picticornis* (Brun., 1918 : 279, as *Nesopeza*) Burma : Southern Shan States.
- **T.* (*Formotipula*) *rufiventris* Brun., 1918 : 268 (preoccupied—renamed *rufoabdominalis* Alexander, 1927) E. Himalayas : Darjiling.
- T.* (*Yamatotipula*) *fumifasciata* Brun., 1911 : 250 (synonym of *T.* (*Y.*) *nova* Walker, 1848) Assam : Manipur State.
- T.* (*Acutipula*) *interrupta* Brun., 1911 : 256 E. Himalayas : Darjiling.

- **T. (A.) munda* Brun., 1912 : 336 (synonym *T. (A.) vicaria* Walker, 1856, preoccupied) W. Himalayas : Mussoorie.
- **T. (A.) princeps* Brun., 1912 : 306 (synonym *T. (A.) fuscinervis* Brun., 1912 : 312) E. Himalayas : Kurseong.
- **T. (A.) quadrinotata* Brun., 1912 : 330 (synonym *T. (A.) fumicosta* Brun., 1918 : 266) Assam : Manipur State.
- T. (A.) robusta* Brun., 1911 : 254 (synonyms
T. (A.) fumifascipennis Brun., 1918 : 266 ;
T. (A.) nigrotibialis Brun., 1912 : 324) . E. Himalayas : Darjiling.
W. Himalayas : Mussoorie.
- **T. (A.) fumifascipennis* Brun., 1918 : 266 . E. Himalayas : Darjiling.
- **T. (Indotipula) cinctoterminalis* Brun., 1912 : 338 . E. Himalayas : Kurseong.
- **T. (I.) demarcata* Brun., 1911 : 259 . . Ceylon.
- T. (I.) divisa* Brun., 1911 : 261 . E. Himalayas : Darjiling.
- **T. (I.) elegantula* Brun., 1912 : 339 . Assam.
- **T. (I.) flavescens* Brun., 1912 : 334 . . . Ceylon.
- **T. (I.) flavithorax* Brun., 1918 : 268 . . S. India : Cochin State.
- T. (I.) gracilis* Brun., 1911 : 262 . E. Himalayas : Darjiling.
- **T. (I.) walkeri* Brun., 1911 : 246 . Nepal.
- (renaming of *T. (I.) fulvipennis* Walker, 1850, pre-occupied ; synonym **T. (I.) tenuipes* Brun., 1912 : 333) . Assam : Sylhet.
- **T. (Tipulodina) contigua* Brun., 1918 : 265 Assam : Garo Hills. .
- **T. (T.) gracillima* Brun., 1912 : 302 Ceylon.
- **T. (T.) patricia* Brun., 1912 : 313 . E. Himalayas : Kurseong.
- **T. (T.) simillima* Brun., 1918 : 265 S. W. India : North Kanara District.
- **T. (Vestiplex) brevis* Brun., 1918 : 270 . Assam : Khasi Hills.
- (synonym of *T. (V.) reposita* Walker, 1848) Nepal.
- **T. (V.) himalayensis* Brun., 1911 : 252 E. Himalayas : Darjiling.
- T. (V.) nigroapicalis* Brun., 1911 : 257 E. Himalayas : Darjiling.
- **T. (V.) quasimarmoratipennis* Brun., 1912 : 320 E. Himalayas : Darjiling.
- **T. (V.) subtinctoria* Brun., 1912 : 326 E. Himalayas : Kurseong.
- **T. (Oreomyza) striatipennis* Brun., 1912 : 325 E. Himalayas : Kurseong.
- T. (Lunatipula) fasciculata* Brun., 1918 : 269 pre-occupied—renamed *subvernalis* Alexander, 1927) E. Himalayas : Darjiling.
E. Himalayas : Darjiling.
- **T. (L.) marmoratipennis* Brun., 1912 : 319 E. Himalayas : Darjiling.
- **T. (Subgenus incertis) brunnicosta* Brun., 1912 : 332 W. Himalayas : Simla.

- T.* (Subgenus incertis) *elegans* Brun., 1911 : 255
(preoccupied—renamed *perelegans* Alexander, 1921) W. Himalayas : Mussoorie.
- **T.* (Subgenus incertis) *filicornis* Brun., 1918 : 267 . E. Himalayas : Darjiling.
- **Dolichozeza* (*Orozeza*) *albitarsis* (Brun., 1918 : 278, as *Nesozeza*) E. Himalayas : Darjiling.
- **D.* (*Sinorozeza*) *postica* Brun., 1912 : 564 E. Himalayas : Darjiling.
- **D.* (*Mitoezeza*) *longicornis* (Brun., 1918 : 278, as *Nesozeza*) Assam : Garo Hills.
- **D.* (*Nesozeza*) *costalis* Brun., 1918 : 277 . S. India : Cochin State.
- **D.* (*N.*) *infuscata* Brun., 1912 : 565 S. India : Nilgiri Hills.
- D.* (*N.*) *obscura* Brun., 1912 : 355
(preoccupied—renamed *himalayae* Alexander, 1952) E. Himalayas : Kurseong.
- D.* (*N.*) *orientalis* Brun., 1912 : 354 . E. Himalayas : Kurseong.
- Nesozeza picticornis* Brun., 1918 : 279 .
see *Tipula* (*Schummelia*) *picticornis* Brun.

CYLINDROTOMINAE

- **Stibadocera quadricellula* (Brun., 1911 : 268, as *Cylindrotoma*) E. Himalayas : Kurseong.
- **Stibadocerella pristina* Brun., 1918 : 283 (synonyms *Cylindrotoma latefurcata* Brun., 1918 : 280 ; lapsus *Stibadocerella bifurcata* Brun., 1920 : 212 ; lapsus) Assam : Garo Hills.

LIMONIINAE

LECHRIINI

- **Lechria bengalensis* Brun., 1911 : 301 Calcutta ; Pusa.
- **Trichoneura* (*Xipholimnobia*) *nepalensis* (Brun., 1918 : 317, as *Lechria*) Nepal.

LIMONINI

- Limonia* (*Limonia*) *biannulata* (Brun., 1912 : 430, as *Teucholabis*) E. Himalayas : Kurseong.
- **L.* (*L.*) *bicolor* (Brun., 1918 : 285, as *Dicranomyia*) Assam : Khasi Hills.
(synonym *L.* (*L.*) *bipunctata* Brun., 1918 : 291, as *Limnobia*) Assam : Garo Hills.
- **L.* (*L.*) *centralis* (Brun., 1912 : 403, as *Limnobia*) E. Himalayas : Kurseong.
- L.* (*L.*) *cinctiventris* (Brun., 1912 : 382, as *Dicranomyia*) E. Himalayas : Kurseong.
(synonym—*L.* (*L.*) *vitripennis* Brun., 1912 : 405, as *Limnobia*) E. Himalayas : Darjiling.
- **L.* (*L.*) *confinis* (Brun., 1918 : 290, as *Limnobia*)
(preoccupied—renamed *brunettiella* Alexander, 1929) Assam : Garo Hills.
- **L.* (*L.*) *festiva* (Brun., 1912 : 400, as *Limnobia*) E. Himalayas : Kurseong.

- **L. (L.) flavocincta* (Brun., 1918 : 289, as *Limnobia*) W. India : Satara District.
- **L. (L.) holoptica* (Brun., 1911 : 273, as *Atypophthalmus*)
Calcutta.
(synonym of *L. (L.) umbrata* de Meijere, 1911; synonym *L. (L.) quinque-notata* Brun., 1918 : 292, as *Limnobia*) Assam : Garo Hills.
- **L. (L.) longipennis* (Brun., 1918 : 292, as *Limnobia*)
(preoccupied—renamed *garoensis* Alexander, 1921) Assam : Garo Hills.
- **L. (L.) marginata* (Brun., 1918 : 290, as *Limnobia*)
(preoccupied—renamed *marginella* Alexander, 1929) Assam : Garo Hills.
- **L. (L.) nigra* (Brun., 1912 : 404, as *Limnobia*)
(preoccupied—renamed *brunettii* Alexander, 1921). May prove to be identical with *bidentata* (Skuse, 1890) S- India : Travancore.
- **L. (L.) nigrescens* (Brun., 1918 : 293, as *Limnobia*)
(preoccupied—renamed *nigricans* Alexander, 1929) Assam : Garo Hills.
- **L. (L.) niveipes* (Brun., 1912 : 404, as *Limnobia*) E. Himalayas : Darjiling.
- **L. Libnotes fuscineris* (Brun., 1912 : 411, as *Libnotes*) E. Himalayas : Darjiling.
- **L. (L.) indica* (Brun., 1912 : 401, as *Limnobia*) Calcutta.
- **L. (L.) longinervis* (Brun., 1912 : 403, as *Limnobia*) E. Himalayas : Kurseong.
- **L. (L.) notatinervis* (Brun., 1912 : 412, as *Libnotes*) E. Himalayas : Kurseong.
- **L. (L.) punctithorax* (Brun., 1918 : 293, as *Limnobia*) SW. India : N. Kanara District.
- **L. (L.) trimaculata* (Brun., 1912 : 402, as *Limnobia*) E. Himalayas : Kurseong.
- **L. (L.) tritincta* (Brun., 1918 : 291, as *Limnobia*) Assam : Garo Hills.
- **L. (Dicranomyia) absens* (Brun., 1912 : 372, as *Dicranomyia*) E. Himalayas : Kurseong.
- **L. (D.) approximata* (Brun., 1912 : 567, as *Dicranomyia*) E. Himalayas : Darjiling.
- **L. (D.) cinerascens* (Brun., 1912 : 381, as *Dicranomyia*) . E. Himalayas : Darjiling.
- **L. (D.) columbina* (Brun., 1912 : 567, as *Dicranomyia*) Ceylon.
- **L. (D.) delicata* (Brun., 1912 : 383, as *Dicranomyia*) E. Himalayas : Darjiling.
- **L. (D.) fascipennis* (Brun., 1912 : 379, as *Dicranomyia*) . E. Himalayas : Kurseong.
- **L. (D.) flavobrunnea* (Brun., 1912 : 384, as *Dicranomyia*) Calcutta.
- **L. (D.) fortis* (Brun., 1912 : 385, as *Dicranomyia*) E. Himalayas : Darjiling.
- **L. (D.) fraterna* (Brun., 1912 : 378, as *Dicranomyia*) E. Himalayas : Darjiling.

- **L. (D.) nigrithorax* (Brun., 1912 : 385, as *Dicranomyia*) E. Himalayas : Darjiling.
- **L. (D.) pulchripennis* (Brun., 1912 : 376, as *Dicranomyia*) E. Himalayas Darjiling.
- **L. (D.) puncticosta* (Brun., 1912 : 377, as *Dicranomyia*) E. Himalayas : Kurseong.
- (synonym *L. (L.) tinctinervis* Brun., 1912 : 401, as *Limnobia*) E. Himalayas: Darjiling.
- **L. (D.) simplex* (Brun., 1912 : 384, as *Dicranomyia*) Calcutta : Assam.
- **L. (D.) sordida* (Brun., 1912 : 382, as *Dicranomyia*) E. Himalayas : Kurseong.
- (synonym *L. (L.) innocens* Brun., 1912 : 568, as *Dicranomyia*) W. Himalayas : Almora, Kumaon.
- **L. (D.) subfascipennis* (Brun., 1912 : 380, as *Dicranomyia*) E. Himalayas : Kurseong.
- **L. (Geranomyia) circipunctata* (Brun. 1912 : 390, as *Geranomyia*) India : Lower Bengal.
- **L. (G.) flavicosta* (Brun., 1912 : 389 as *Geranomyia*) India : Ganges Delta.
- **L. (G.) flaviventris* (Brun., 1918 : 288, as *Geranomyia*) E. Himalayas: Darjiling.
- L. (G.) genitalis* (Brun., 1911 : 275, as *Geranomyia*) S. India: Tenmalai, Travancore.
- (synonym of *L. (G.) fletcheri* Edwards, 1911)
- L. (G.) nigronotata* (Brun., 1918 : 287, as *Geranomyia*) S. India : Malabar District.
- **L. (G.) notatipennis* (Brun., 1913a : 152, as *Geranomyia*) Assam Abor District.
- **L. (G.) pulchripennis* (Brun., 1912 : 393, as *Geranomyia*) E. Himalayas : Kurseong.
- (preoccupied—renamed *pictorum* Alexander, 1929)
- L. (G.) semifasciata* (Brun., 1911 : 276, as *Geranomyia*) E. Himalayas : Darjiling.
- **L. (G.) semistriata* (Brun., 1911 : 277, as *Geranomyia*) Bihar : Paresnath.
- **L. (G.) tridens* (Brun., 1912 : 391, as *Geranomyia*) India : Ganges Delta.
- L. (G.) vinaceobrunnea* (Brun., 1911 : 274, as *Geranomyia*) W. Himalayas : Simla.
- **L. (Rhipidia) antennata* (Brun., 1911 : 272, as *Ceratostephanus*) W. Himalayas : Simla.
- **L. (R.) demarcata* (Brun., 1912 : 370, as *Dicranomyia*) E. Himalayas : Kurseong.

- **L. (R.) marmoripennis* (Brun., 1912 : 369, as *Dicranomyia*) E. Himalayas : Kurseong.
(synonym of *L. (R.) pulchra* de Meijere)
- **L. (R.) subtesselata* (Brun., 1912 : 565, as *Dicranomyia*) (synonym *L. (R.) zeylanica* S. W.) Ceylon.
- **L. (Alexandriaria) prominens* (Brun., 1918 : 285, as *Dicranomyia*) . . . SW. India : Goa.
- **L. (Pseudoglochina) bicinctipes* (Brun., 1912 : 566, as *Dicranomyia*) . . . Burma : Dawna Hills.
- **L. (P.) pictipes* (Brun., 1918 : 286, as *Dicranomyia*) SW. India : Goa.
Dicranomyia cinctiventris Brun., 1912 : 382 see *Limonia (Limonia)*.
D. demarcata Brun., 1912 : 370 see *Limonia (Rhipidia)*.
**D. festiva* Brun., 1912 : 400 . . . see *Limonia (Limonia)*.
D. marmoripennis Brun., 1912 : 369 . . . see *Limonia (Rhipidia)*.
**D. niveiapicalis* Brun., 1918 : 285 . . . see *Riedelomyia*.
D. ornatipes Brun., 1912 : 380 . . . see *Gonomyia (Lipophleps)*.
D. prominens Brun., 1918 : 285' . . . see *Limonia (Alexandriaria)*.
**Limnobia triangularis* Brun., 1912 : 406 . . . see *Antocha (Antocha)*.
L. trimaculata Brun., 1912 : 402 . . . see *Limonia (Libnotes)*.
- **Helius (Helius) ferruginosus* (Brun., 1912 : 418, as *Rhamphidia*) . . . Burma : Dawna Hills.
- H. (H.) fratellus* (Brun., 1918 : 296, as *Rhamphidia*) S.W India : N. Kanara District.
- **H. (H.) inconspicuus* (Brun., 1912 : 419, as *Rhamphidia*) . . . E. Himalayas : Kurseong.
- **H. (H.) unicolor* (Brun., 1912 : 419, as *Rhamphidia*) E. Himalayas : Darjiling.
- **H. (Eurhamphidia) abnormalis* (Brun., 1918 : 296, as *Rhamphidia*) . . . Assam : Khasi Hills.
- **Antocha (Antocha) indica* Brun., 1912 : 426 . . . E. Himalayas : Kurseong.
- **A. (A.) triangularis* (Brun., 1912 : 406, as *Limnobia*) W. Himalayas : Simla.
- **A. (A.) unilineata* Brun., 1912 : 427 W. Himalayas : Dehra Dun.
- **Orimarga (Orimarga) peregrina* Brun., 1912 : 424 E. Himalayas : Darjiling.

PEDICINI

- **Pedicia (Tricyphona) elegans* (Brun., 1912 : 516, as *Amalopsis*) . . . E. Himalayas : Kurseong.
- P. (T.) flavipennis* (Brun., 1918 : 327, as *Limnophila*) . E. Himalayas : Darjiling.
- **P. (T.) glabripennis* (Brun., 1912 : 515, as *Amalopsis*) E. Himalayas : Darjiling.

- **Dicranota (Amalopina) elegantula* (Brun., 1912 : 517, as *Amalopina*) E. Himalayas : Darjiling.
- D. (Plectromyia) incompleta* (Brun., 1912 : 493, as *Gnophomyia*) E. Himalayas : Kurseong.
- **D. (Rhaphidolabina) spectralis* (Brun., 1918 : 321, as *Amalopis*) E. Himalayas : Darjiling.
- **D. (Rhaphidolabis) aperta* (Brun., 1912 : 492, as *Gnophomyia*) E. Himalayas : Darjiling.
(preoccupied—renamed *brunettii* Edwards, 1916)
- **D. (R.) fascipennis* (Brun., 1911 : 289, as *Claduroides*) E. Himalayas : Darjiling.
(synonyms *D. (R.) fascipennis* Brun., 1912 : 519, as *Rhaphidolabis* ; *D. (R.) longipennis* (Brun., 1912 : 489, as *Gnophomyia*)
- D. (R.) sordida* (Brun., 1911 : 290, as *Claduroides*)
(synonym **D. (R.) indica* (Brun., 1912 : 519, as *Rhaphidolabis*) W. Himalayas : Simla.

HEXATOMINI

- **Paradelphomyia (Oxyrhiza) flavescens* (Brun., 1911 : 284, as *Cladura*) E. Himalayas : Darjiling.
(synonym—*P. (O.) furcata* (Brun., 1912 : 491, as *Gnophomyia*)
- **Epiphragma (Epiphragma) kempfi* Brun., 1913a : 155 NE. Indian Frontier.
- **E. (E.) ornatipennis* (Brun., 1918 : 328, as *Limnophila*) E. Himalayas : Darjiling.
- **E. (E.) vicina* Brun., 1918 : 331 E. Himalayas : Darjiling.
- **Taiwanomyia cavernicola* (Brun., 1924 : 100, as *Troglophila*) Assam : Siju Cave, Garo Hills.
- Pseudolimnophila (Pseudolimnophila) fusca* (Brun., 1918 : 326, as *Limnophila*) E. Himalayas : Darjiling.
- **P. (P.) glabra* (Brun., 1918 : 325, as *Limnophila*).
May belong in *Pilaria* Sintenis SW. India : N. Kanara District.
- **P. (P.) multipunctata* (Brun., 1912 : 569 : as *Limnophila*) S. India : Nilgiri Hills.
- P. (P.) pallidicoxa* (Brun., 1912 : 523, as *Limnophila*) E. Himalayas : Darjiling.
- **Eupilaria annulipes* (Brun., 1918 : 324, as *Limnophila*) SW. India : N. Kanara District.
- **E. inconsequens* (Brun., 1918 : 326, as *Limnophila*) SW. India : N. Kanara District.
- Limnophila (Elaeophila) fascipennis* (Brun., 1912 : 526, as *Ephelia*) E. Himalayas : Darjiling.
- L. (E.) ornata* (Brun., 1912 : 527, as *Ephelia*) W. Himalayas : Kumaon.

- **L. (Dicranophragma) interrupta* (Brun., 1918 : 319, as *Cladura*) E. Himalayas : Darjiling.
- L. (D.) multipunctipennis* (Brun., 1918 : 329, as *Dicranophragma*) E. Himalayas : Darjiling.
- **L. (D.) pulchripennis* (Brun., 1912 : 524, as *Dicranophragma*) E. Himalayas : Kurseong.
(preoccupied—renamed *venustipennis* Alexander, 1921)
- **L. (Subgenus incertis) honesta* Brun., 1912 : 570 W. Himalayas : Kumaon.
- **Limnophila annulipes* Brun., 1918 : 324 see *Eupilaria*.
- **L. claripennis* Brun., 1913a : 153 see *Crypteria*.
- L. flavipennis* Brun., 1918 : 327 see *Pedicia (Tricyphona)*.
- **L. fusca* Brun., 1918 : 326 see *Pseudolimnophila*.
- **L. glabra* Brun., 1918 : 325 see *Pseudolimnophila*.
- **L. incompleta* Brun., 1918 : 326 see *Gonomyia (Protogonomyia)*.
- **L. inconsequens* Brun., 1918 : 326 see *Eupilaria*.
- **L. multipunctata* Brun., 1912 : 569 see *Pseudolimnophila*.
- **L. ornatipennis* Brun., 1918 : 328 see *Epiphragma*.
- L. pallidicoxa* Brun., 1912 : 523 see *Pseudolimnophila*.
- **L. parvicellula* Brun., 1918 : 325 see *Gonomyia (Gonomyia)*.
- **L. quartaria* Brun., 1913a : 154 see *Gnophomyia*.
- **L. simplex* Brun., 1912 : 523 see *Neolimnophila*.
- **Hexatoma (Eriocera) aterrima* (Brun., 1912 : 540, as *Eriocera*) S. India : Travancore.
- **H. (E.) aurantia* (Brun., 1918 : 335, as *Eriocera*) E. Himalayas : Darjiling.
- H. (E.) badia* (Brun., 1911 : 310, as *Eriocera*) Ceylon.
- **H. (E.) caliginosa* (Brun., 1918 : 339, as *Eriocera*) S. India : N. Kanara District.
- H. (E.) cincta* (Brun., 1918 : 333, as *Eriocera*) E. Himalayas : Darjiling District.
(synonym **H. (E.) cingulata* Brun., 1912 : 570, preoccupied)
- **H. (E.) decorata* (Brun., 1918 : 337, as *Eriocera*) E. Himalayas : Darjiling.
- **H. (E.) elongatissima* (Brun., 1912 : 542, as *Eriocera*) S. India : Travancore.
- H. (E.) fenestrata* (Brun., 1911 : 312, as *Eriocera*) Central Tonkin (type) ; Assam : Khasi Hills.
- **H. (E.) flavipes* (Brun., 1912 : 544, as *Eriocera*) E. Himalayas : Kurseong.
- **H. (E.) gravelyi* (Brun., 1918 : 337, as *Eriocera*) E. Himalayas : Darjiling.

- **H. (E.) greenii* (Brun., 1911 : 313, as *Eriocera*) Ceylon.
- **H. (E.) kempii* (Brun., 1918 : 339, as *Eriocera*) SW. India : N. Kanara District.
- **H. (E.) nigerrima* (Brun., 1912 : 571, as *Eriocera*) E. Himalayas : Darjiling, Ghumti.
- **H. (E.) plumbicineta* (Brun., 1911 : 311, as *Eriocera*) Assam : Manipur.
- **H. (E.) pulchrithorax* (Brun., 1918 : 336, as *Eriocera*) S. India : Cochin State.
- H. (E.) rufibasis* (Brun., 1911 : 310, as *Eriocera*) . Lower Burma : Tenasserim.
- **H. (E.) rufithorax* (Brun., 1912 : 534, as *Eriocera*) Ceylon.
(Synonym of *H. (E.) ctenophoroides* Edwards, 1911)
- **H. (E.) rufiventris* (Brun., 1918 : 336, as *Eriocera*) . S. India : Coorg ; Cochin State.
- H. (E.) semilimpida* (Brun., 1911 : 311, as *Eriocera*) Assam : Khasi Hills.
(synonym **H. (E.) maculiventris* Brun., 1918 : 340, as *Eriocera*) Assam : Garo Hills.
- **H. (E.) tenuis* (Brun., 1912 : 539, as *Eriocera*) . S. India : Nilgiri Hills.
- **H. (E.) testacea* (Brun., 1912 : 548, as *Eriocera*).
May be identical with *tenuis* S. India : Nilgiri Hills.
- **H. (E.) triangularis* (Brun., 1912 : 572, as *Eriocera*) S. India : Nilgiri Hills.
- **H. (E.) tripunctipennis* (Brun., 1918 : 338, as *Eriocera*) SW. India : N. Kanara District.
- **Eriocera nigroapicalis* Brun., 1918 : 335 see *Nephrotoma*.
- **Atarba (Atarbodes) flava* Brun., 1912 : 435 E. Himalayas : Darjiling.
- **Elephantomyia (Elephantomyodes) aurantia* (Brun., 1918 : 289, as *Aporosa*) Assam : Garo Hills.

ERIOPTERINI

- **Franckomyia gracilis* (Brun., 1913a : 156, as *Dicranophragma*) NE. Indian Frontier.
(preoccupied—renamed *recessiva* Alexander, 1927)
- **Crypteria claripennis* (Brun., 1913a : 153, as *Limnophila*) . NE. Indian Frontier.
- Neolimnophila genitalis* (Brun., 1912 : 490, as *Gnophomyia*) (synonym—*N. simplex* Brun., 1912 : 523) W. Himalayas : Kumaon, Bhowali.
- **Dasymallomyia signata* Brun., 1911 : 304 E. Himalayas : Kurseong.
- **Gnophomyia quartaria* (Brun., 1913a : 154, as *Limnophila*) . NE. Indian Frontier.
- G. strenua* Brun., 1912 : 492, E. Himalayas : Kurseong.
- **Gnophomyia aperta* Brun., 1912 : 492 . see *Dicranota (Rhaphidolabis)*

- G. furcata* Brun., 1912 : 491 . see *Paradelphomyia*.
- G. genitalis* Brun., 1912 : 490 . see *Neolimnophilla*.
- G. incompleta* Brun., 1912 : 493 see *Dicranota (Plectromyia)*.
- G. longipennis* Brun., 1912 : 489 . see *Dicranota (Rhaphidolabis)*.
- G. nigra* Brun., 1912 : 494 . see *Gonomyia (Protogonomyia)*.
- Gonomyia (Protogonomyia) nigripes* (Brun., 1912 : 458, as *Mesocyphona*) E. Himalayas : Darjiling.
- (synonyms *G. (P.) gracilis* (Brun., 1918 : 310, as *Mesocyphona*) E. Himalayas : Assam-Bhutan Frontier.
- **G. (P.) incompleta* (Brun., 1918 : 326, as *Limnophila*) E. Himalayas : Darjiling.
- **G. (P.) nigra* (Brun., 1912 : 494, as *Gnophomyia*) W. Himalayas : Kumaon.
- **G. (Idiocera) proxima* Brun., 1912 : 474 Bengal.
- **G. (Gonomyia) affinis* Brun., 1912 : 472 . E. Himalayas : Kurseong.
- **G. (G.) aperta* Brun., 1912 : 473 Bihar : Purneah District.
- **G. (G.) parvicellula* (Brun., 1918 : 325, as *Limnophila*) SW. India : N. Kanara District.
- **G. (Lipophleps) incompleta* Brun., 1912 : 471 Calcutta.
- **G. (L.) flavomarginata* Brun., 1912 : 472 E. Himalayas : Kurseong.
- G. (L.) ornatipes* (Brun., 1912 : 380, as *Dicranomyia*) S. India : Travancore.
- **Gonomyia antica* Brun., 1912 : 568 see *Cheilotrichia (Empeda)*.
- **Teucholabis (Teucholabis) angusticapitis* Brun., 1918 : 305 Assam : Garo Hills.
- **T. (T.) assamensis* Brun., 1918 : 306 Assam : Khasi Hills.
- **T. (T.) fenestrata insignis* Brun., 1912 : 430 S. India : Travancore.
- **T. (T.) ornata* Brun., 1918 : 305 Ceylon.
- **Teucholabis biannulata* Brun., 1912 : 430 see *Limonia (Limonia)*.
- **Gymnastes (Gymnastes) violacea* Brun., 1911 : 282 (synonym of *G. (G.) cyanea* Edwards, 1911 : 61) Ceylon.
- **G. (Paragymnastes) bistriatipennis* Brun., 1918 : 307 SW. India : N. Kanara District.
- G. (P.) pennipes* Brun., 1918 : 308 Assam : Garo Hills.
- **Trentepohlia (Plesiomongoma) venosa* (Brun., 1918 : 314, as *Plesiomongoma*) Assam : Khasi Hills.
- **T. (Mongoma) flava* (Brun., 1918 : 314, as *Mongoma*) Assam : Garo Hills.
- **T. (M.) kempii* (Brun., 1918 : 313, as *Mongoma*) Assam : Garo Hills.

- **T. (M.) pallidiventris* (Brun., 1912 : 481, as *Mongoma*) S. India : Travancore.
(may be identical with *T. (M.) tenera* O.S.,
1882 : 89)
- **T. (M.) splendida* (Brun., 1918 : 313, as *Mongoma*) Assam : Garo Hills.
- T. (Anchimongoma) simplex* (Brun., 1918 : 316, as
Anchimongoma) S. India : N. Kanara District.
- **T. (Trentepohlia) albogeniculata* (Brun., 1912 : 569,
as *Mongomioides*) Burma : Dawna Hills.
- **T. (T.) marmorata* (Brun., 1912 : 483, as *Mongo-*
mioides) Calcutta.
- **T. (T.) nigroapicalis* (Brun., 1912 : 483, as *Mongo-*
mioides) Lucknow.
- **T. (T.) ornatipennis* Brun., 1918 : 315 SW. India : N. Kanara District.
- **Riedelomyia niveiapicalis* (Brun., 1918 : 285, as
Dicranomyia) SW. India : N. Kanara District.
- **Ormosia (Ormosia) geniculata* (Brun., 1912 : 441,
as *Rhypholophus*) E. Himalayas : Kurseong.
- **O. (O.) pulchra* (Brun., 1912 : 442, as *Rhypholophus*) W. Himalayas : Phagu, Simla
District.
- **Cryptolabis (Baeoura) distans* (Brun., 1912 : 451,
as *Erioptera*) E. Himalayas : Kurseong.
- Cheilotruchia (Empeda) brevior* (Brun., 1912 : 452, E. Himalayas : Darjiling.
as *Erioptera*)
- (synonym *C. (E.) antica* (Brun., 1912 : 568,
as *Gonomyia*) E. Himalayas : Ghumti.
- C. (E.) inconspicua* (Brun., 1912 : 475, as
Empeda) E. Himalayas : Darjiling.
- **Erioptera (Meterioptera) flava* Brun., 1912 : 455 Bengal : Calcutta.
(preoccupied—renamed *bengalensis* Alexander,
1921)
- **E. (M.) halterata* Brun., 1912 : 457 E. Himalayas : Darjiling.
- **E. (M.) subtineta* Brun., 1912 : 455 E. Himalayas : Darjiling.
- **E. (Erioptera) ferruginea* Brun., 1912 : 450 S. India : Travancore State.
- **E. (E.) grandior* Brun., 1912 : 456 W. Himalayas : Simla.
- **E. (E.) incerta* Brun., 1912 : 452 E. Himalayas : Darjiling.
- **E. (E.) orientalis* Brun., 1912 : 453 (synonym *E.*
(E.) dictenidia Alexander, 1921) E. Himalayas : Darjiling.
- **E. (Teleneura) parallela* Brun., 1912 : 453 E. Himalayas : Kurseong.
- **E. (T.) punctipennis* Brun., 1912 : 449 E. Himalayas : Kurseong.
(preoccupied—renamed *annandaleana* Alexan-
der, 1953)

- **Erioptera genitalis* Brun., 1912 : 456 , , see *Molophilus*.
- **Molophilus (Molophilus) assamensis* Brun., 1912 : 445 Assam : Sylhet.
- **M. (M.) genitalis* (Brun., 1912 : 456, as *Erioptera*) W. Himalayas : Kumaon, Bhowali.
- **M. (M.) inconspicuus* Brun., 1912 : 444 W. Himalayas : Simla.
- **Styringomyia flava* Brun., 1911 : 301 S. India : Travancore State.
- **S. obscura* Brun., 1911 : 300 Nepal : Thamaspur.
- **Toxorhina (Ceratocheilus) brevifrons* (Brun., 1918 : 300, as *Conifrons*) Assam : Garo Hills.
- T. (Toxorhina) incerta* Brun., 1912 : 422 E. Himalayas : Kurseong.

III—THE EXTRA-LIMITAL TIPULIDAE DESCRIBED BY BRUNETTI

TIPULINAE

- Ctenacroscelis borneensis* (Brun., 1918 : 263, as *Tipula*) Borneo.
(renaming of *Tipula pallida* Walker, 1865, preoccupied)
- Ctenophora (Pselliophora) bifascipennis* (Brun., 1911 : 241, as *Pselliophora*) E. China : Shanghai.
(synonyms)—
- C. (P.) sackeni* Edwards, 1916 : 257 as *Pselliophora*.
- C. (P.) horikawae* Matsumura, 1916 : 449 as *Psellicphora*.
- C. (P.) compta* Enderlein, 1921 : 220 as *Pselliophora*).
- C. (Pselliophora) terminalis* (Brun., 1911 : 244, as *Pselliophora*) Indochina : Tonkin.
- Tipula (Formotipula) sciariformis* Brun., 1911 : 259 Indochina : Tonkin.
- T. (Tipulodina) schummeli* Brun., 1911 : 247 Amboina.
(synonym of *T. (T.) fumifinis* Walker, 1861 : 145, synonym—*T. (T.) longicornis* Doleschall, 1858 : 79, preoccupied)
- T. (Subgenus incertis) cinerea* Brun., 1911 : 252 Lombok.
(preoccupied—renamed *lombokensis* Alexander, 1942)
- T. (Subgenus incertis) pluto* Brun., 1911 : 251 Indochina : Tonkin.

LIMONIINAE

- **Orimarga (Orimarga) borneensis* Brun., 1911 : 280 Borneo : Sarawak.
- Gynoplistia (Gynoplistia) octofasciata* Brun., 1911 : 307 South Celebes.
- **Toxorhina (Ceratocheilus) latifrons* (Brun., 1918 : 299, *Conithorax*) Malay States : Selangor-Pahang Border.

IV—SYNOPSIS

The accompanying report discusses the Tipuloidean flies that were described by the late Enrico Brunetti between 1911 and 1924, a total of approximately 240 valid species, with numerous additional names that are considered to be synonyms of other species. This synonymy and the erroneous assignment to genera of many of his species has made it difficult to proceed with studies on the Indian crane-fly fauna. The late Dr. Fred W. Edwards was able to settle much of the synonymy through a study of the personal collection made by Brunetti and now preserved in the British Museum of Natural History. The great bulk of Brunetti's types are preserved in the collections of the Zoological Survey of India at Calcutta and several doubtful species were made available to the present writer for appraisal. As a result of these examinations of critical materials it is believed that the synonymy of the Brunetti species is more firmly established.

The apparently valid species described by Brunetti are distributed in the following groups :

Ptychopteridae	.	.	.	.	.	.	.	.	3
Trichoceridae	.	.	.	.	.	.	.	.	4
Tipulidae : Tipulinae		.	.	.	.	.	.	.	71
Cylindrotominae	.	.	.	.	.	.	.	.	2
Limoniinae—									
Limoniini	.	.	.	.	.	.	.	.	59
Lechriini	.	.	.	.	.	.	.	.	2
Pediciini	.	.	.	.	.	.	.	.	9
Hexatomini	.	.	.	.	.	.	.	.	41
Eriopterini	.	.	.	.	.	.	.	.	51
								Total	242

Dr. A. P. Kapur has indicated the various types that are preserved in the collection of the Zoological Survey of India.