

**Die Ausbeute der deutschen Chaco-Expedition  
1925/26. — Diptera.** (Fortsetzung.)

**XXXVIII. Tipulidae.**

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(With 2 Figures).

**Subfamily Tipulinae.**

**1. *Holorusia laevis* Alex.**

1914. *Holorusia laevis* Alexander; Ent. News, 25 : 353—354, pl. 15, figs 8 and 15.

1 ♂, 1 ♀, Paraguay: Trinidad, near Asuncion, August 1925. The type-locality was Acuncion, collected by Vezényi.

**2. *Tipula amoenicornis* Alex.**

1922 *Tipula amoenicornis* Alexander; Ent. News, 33 : 210.

1 ♂, North Argentina: San José, October 1925.

The type-locality was Tucuman, Argentina. I have also seen it from Santa Barbara, Paraguay, October 17, 1924 (Francisco Schade).

**3. *Nephrotoma* sp., near *elegans* (Fabr.).**

1805. *Tipula elegans* Fabricius; Syst. Antliatorum, p. 26.

Paraguay: Trinidad, near Asuncion, August 1925.

North Argentina: Aguarai, June 1926.

Bolivia: Upper Pilcomayo, May 1926.

The present material differs from the original description in a few regards. It is probable that *elegans* can only be truly interpreted following a further study of the type.

**Subfamily Limoniinae.**

**4. *Limonia (Geranomyia) platensis* (Alex.).**

1923. *Geranomyia platensis* Alexander; Ent. News, 34 : 310—311.

Argentina: Tapikiolé, Chaco, December 1925; San José, October 1925; 3 ♂♂, 1 ♀.

Type-locality: La Plata, Argentina.

5. *Limonia (Geranomyia) tibialis* (Loew).

1851. *Aporosa tibialis* Loew; Linnaea Entomol., 5: 397.

North Argentina: Lapango, Pilcomayo, September 1925; 1 ♀.

6. *Polymera (Polymera) obscura* Mcqt.

1838. *Polymera obscura* Macquart; Diptères exot., 1, pt. 1: 65, pl. 8.

North Argentina: San José, October 1925; 1 ♀.

Bolivia: Buena Vista, near Santa Cruz d. l. S., August 1926; 1 ♂.

7. *Teucholabis (Paratropesa) lindneri* sp. n.

General coloration of mesonotum polished rusty-yellow, the praescutum with a transverse black girdle before suture; postnotum and pteropleurite black; fore femora chiefly black, the bases narrowly yellow; mid- and hind femora yellow, the tips narrowly black; wings with r-m distinct; cell 1st  $M_2$  open by the atrophy of basal section of  $M_3$ ; wing-apex undarkened; male hypopygium with the apex of each basistyle produced into a spine.

Male. — Length, about 6 mm; wing, 6.6 mm.

Rostrum rusty-brown, about one-third the remainder of head; palpi dark brown. Antennae broken. Head rusty-yellow, the anterior vertex somewhat darker.

Pronotum yellow. Mesonotal praescutum polished rusty-yellow, conspicuously patterned with black, including the cephalic-median portion of sclerite and a narrow but complete transverse girdle placed shortly before the transverse suture; scutum rusty yellow, the center of each lobe black; scutellum black, the extreme base yellowish; postnotum black. Pleura rusty-yellow, the pleurotergite and pteropleurite abruptly velvety black; ventral pleurites, including dorsal sternopleurite and meral region, with a sparse silvery pruinosity. Halteres with the stem black, the knob abruptly orange. Legs with the coxae and trochanters orange-yellow; fore femora chiefly black, with about the basal fifth yellow; mid- and hind femora yellow, with not more than the distal fifth black; fore tibiae chiefly black, the central portion vaguely brightened; remaining tibiae obscure yellow, the tips narrowly blackened; all tarsi black,

the central portion of posterior basitarsi vaguely brightened. Wings (Fig. 1) with the ground-color pale cream-yellow, with a restricted brown crossbanded pattern that is lacking beyond the level of the cord; an extensive post-humeral area in cells

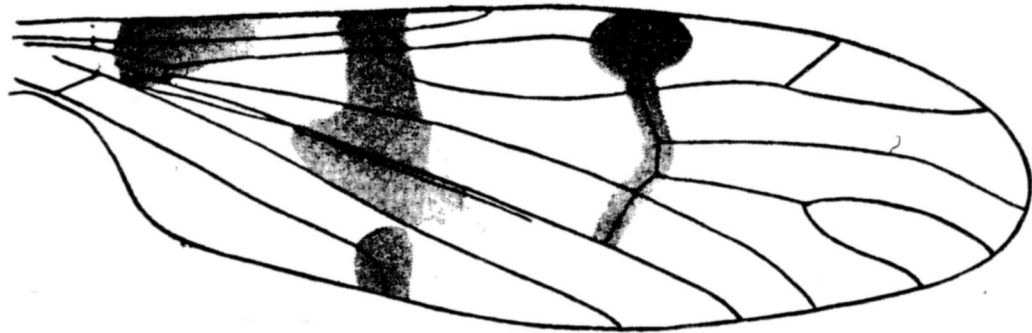


Fig. 1. — Wing of *Teucholabis (Paratropesa) lindneri* sp. n.

C and Sc, suffusing the arculus; a narrow crossband at level of origin of Rs, continued across wing, widened out in cell M, the pale area that separates these dark marks in cell Sc narrow; a third band extends from stigma to vein  $Cu_1$ , darker in region of stigma; veins yellow, dark brown in the clouded areas. Venation:  $Sc_1$  ending about opposite one-third the length of the long Rs,  $Sc_2$  opposite origin of latter;  $R_2$  at end of Rs; cell  $R_3$  relatively small; vein  $R_3$  about two-fifths  $R_{2+3+4}$ , vein  $R_4$  a little longer than vein  $R_{2+3+4}$ ; cell 1st  $M_2$  open by the atrophy of basal section of  $M_3$ ; m-cu close to fork of M.

Abdominal tergites black, each with a yellow caudo-lateral triangle; sternites yellow. Male hypopygium (Fig. 2) with the basistyles produced caudad beyond the level of apices of dististyles; apex of each basistyle produced into a slender black spine, basad of which are long silky

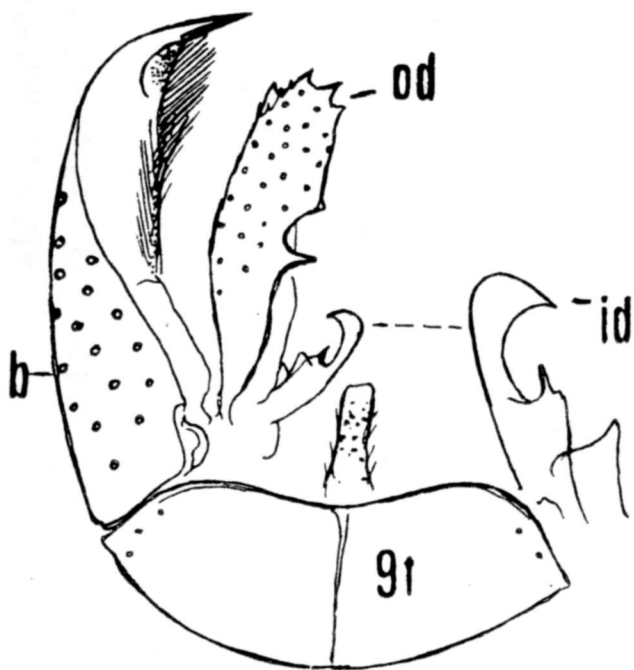


Fig. 2. — Male hypopygium of *Teucholabis (Paratropesa) lindneri* sp. n.

Symbols: b-basistyle; id-inner dististyle; od-outer dististyle; t-tergite.

setae. Outer dististyle with a spinous projection at just before midlength.

Hab. Bolivia.

Holotype, ♂ El Cairo, August 1926 (E. Lindner). Type in the collection of the Württ. Naturaliensammlung, Stuttgart.

I take great pleasure in dedicating this unusually distinct *Teucholabis* to Dr. Erwin Lindner, collector of this interesting series of Chaco Tipulidae. The species is most nearly allied to *T. (P.) fasciolaris* (Wied.), as is shown by the accompanying key to the Neotropical species of the subgenus.

### A Key to the Neotropical Species of *Paratropesa*.

1. Wings with crossvein r-m obliterated by the fusion of veins  $R_5$  and  $M_{1+2}$ . 2
- Wings with crossvein r-m distinct. 5
2. Entire thorax blue-black. 3
- Thorax with at least the scutellum yellow. 4
3. Wings with distinct brown crossbands, most evident at cord and as a broad apex; cell  $R_3$  relatively large, vein  $R_4$  a little longer than  $R_{3+4}$ ; vein  $R_3$  oblique; abdominal tergites with yellow caudal margins. (Brazil, Peru). *collaris* (O. S.)<sup>1)</sup>
- Wings with the darkened pattern very faint, only slightly differentiated from the ground-color; cell  $R_3$  relatively small, vein  $R_4$  about two-thirds  $R_{3+4}$ ; vein  $R_3$  short and more erect; abdominal tergites with only caudo-lateral angles yellow. (Colombia). *chalybeia* Alex.<sup>2)</sup>
4. Mesonotal praescutum entirely shiny black; wings with a narrow brown seam along vein  $R_2$ , the remaining pattern very faint; wings with  $Sc$  short,  $Sc_1$  ending just beyond origin of  $R_s$ ,  $Sc_2$  a distance before this origin about equal to vein  $R_3$ . (Venezuela). *singularis* (Schin.)<sup>3)</sup>

<sup>1)</sup> *Paratropesa collaris* O. S.; Berlin. Ent. Zeitschr., 31 : 190; 1887.

<sup>2)</sup> *Teucholabis (Paratropesa) chalybeia* Alex.; Encycl. Entomol., Diptera, 4 : 18—19; 1927.

<sup>3)</sup> *Paratropesa singularis* Schiner; Novara-Reise, Diptera, p. 46, pl. 2, fig. 2; 1868.



- Mesonotal praescutum reddish yellow, with three broad black stripes; wings with a narrow brown seam along cord; wing-tip broadly brown; wings with Sc longer, Sc<sub>2</sub> almost opposite origin of Rs. (Mexiko). *praeusta* (O. S.)<sup>4)</sup>
5. Wings with cell 1st M<sub>2</sub> open by the atrophy of the basal section of M<sub>3</sub>. 6
- Wings with cell 1st M<sub>2</sub> closed. 7
6. Wings with tip infuscated; mesonotal praescutum polished black, the interspaces narrowly yellow; legs yellow, fore femora brownish at tips, (Brazil). *fasciolaris* (Wied.)<sup>5)</sup>
- Wings with the tip unmarked; mesonotal praescutum yellow, with a transverse black girdle before suture, in addition to a median area at cephalic portion of sclerite; fore femora black, only the bases narrowly yellow. (Bolivia).  
*lindneri* sp. n.
7. Wings with cell 1st M<sub>2</sub> long and narrow, fully one-half longer than vein M<sub>3</sub> beyond it; wing-apex broadly dark brown, cells C and Sc dark brown (Venezuela).  
*amoena* (Alexander).<sup>6)</sup>
- Wings with cell 1st M<sub>2</sub> broad, subequal in length to vein M<sub>3</sub> beyond it; wing-tip not darkened. 8
8. Wings with vein R<sub>2</sub> subequal to R<sub>2+3+4</sub>; stigma broad; narrow but conspicuous brown seams along cord and outer end of cell 1st M<sub>2</sub>; Rs elongate, only gently arcuated; head extensively reddish brown; abdominal tergites brownish black, the caudal ends broadly yellow. (Brazil).  
*jactans* (Alex.)<sup>7)</sup>
- Wings with vein R<sub>2</sub> at end of Rs, obliterating R<sub>2+3+4</sub>; wings practically immaculate, except for the dark brown stigmal triangle, the darkened seams along cord and outer end of cell 1st M<sub>2</sub> very narrow and indistinct; Rs shorter and more strongly arcuated at origin; head black; abdominal tergites brownish yellow, with a narrow black median line. (Argentina). *xystophanes* (Alex.)<sup>8)</sup>

<sup>4)</sup> *Paratropesa praeusta* O. S.; Biol. Centr.-Amer., 1, p. 1: 8; 1886.

<sup>5)</sup> *Limnobia fasciolaris* Wied.; Aussereur. zweifl. Ins., 1, suppl.: 552, pl. 6 b, fig. 11; 1828.

<sup>6)</sup> *Paratropesa amoena* Alex.; Trans. Ent. Soc. London, 1922: 47—48; 1922.

<sup>7)</sup> *Paratropeza jactans* Alex.; Ent. News, 24: 447; 1913.

<sup>8)</sup> *Paratropeza xystophanes* Alex.; Canad. Ent., 53: 165—166; 1921.

**8. *Trimicra pilipes* (Fabr.), var.**

1787. *Tipula pilipes* Fabricius; Mantissa Insecta, 2 : 324.

North Argentina: Lapango, September 1925; 2 ♂♂.

**9. *Erioptera (Erioptera) cladophora* Alex.**

1920. *Erioptera (Mesocyphona) cladophora* Alexander; Canad. Ent., 52 : 142

North Argentina: Lapango, December 1926; San José, October 1925; 2 injured specimens.

**10. *Styringomyia americana* Alex.**

1914. *Styringomyia americana* Alex.; Trans. Amer. Ent. Soc., 40 : 231, pl. 4, fig. 1.

Bolivia: El Cairo, August 1926; 2 specimens in poor condition.

**11. *Toxorhina (Toxorhina)*, near *mendosa* Alex.**

1983. *Toxorhina (Toxorhina) mendosa* Alex.; (in press).

Argentina: San José, Pilcomayo, October 1925; 1 ♀.

The type is from Campo Bello, Minas Geraës, Brazil. Males are necessary for correct determination in this as well as most other genera of Tipulidae.

