

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* Mcq̄t.

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

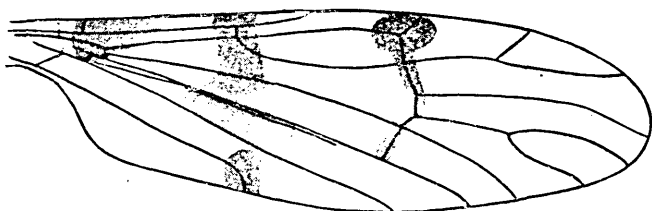


Fig. 1. — Wing of *Teucholabis (Paratropesa) lindneri* sp. n.

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

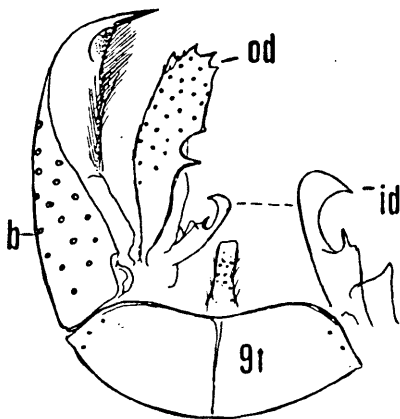


Fig. 2. — Male hypopygium of *Teucholabis (Paratropesa) lindneri* sp. n.

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.)¹⁾
- 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.²⁾
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 Rs , Sc_2 a distance before this origin about equal to vein R_3 . (Venezuela).
singularis (Schin.)³⁾

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

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

³⁾ *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, Sc₂ almost opposite origin of Rs. (Mexiko). *praeusta* (O. S.)⁴⁾
- 5. Wings with cell 1st M₂ open by the atrophy of the basal section of M₃. 6
- Wings with cell 1st M₂ 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.)⁵⁾
- 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 M₂ long and narrow, fully one-half longer than vein M₃ beyond it; wing-apex broadly dark brown, cells C and Sc dark brown (Venezuela).
amoena (Alexander).⁶⁾
- Wings with cell 1st M₂ broad, subequal in length to vein M₃ beyond it; wing-tip not darkened. 8
- 8. Wings with vein R₂ subequal to R₂₊₃₊₄; stigma broad; narrow but conspicuous brown seams along cord and outer end of cell 1st M₂; Rs elongate, only gently arcuated; head extensively reddish brown; abdominal tergites brownish black, the caudal ends broadly yellow. (Brazil).
jactans (Alex.)⁷⁾
- Wings with vein R₂ at end of Rs, obliterating R₂₊₃₊₄; wings practically immaculate, except for the dark brown stigmal triangle, the darkened seams along cord and outer end of cell 1st M₂ 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.)⁸⁾

⁴⁾ *Paratropeza praeusta* O. S.; Biol. Centr.-Amer., I, p. 1: 8; 1886.

⁵⁾ *Limnobia fasciolaris* Wied.; Aussereur. zweifl. Ins., I, suppl.: 552, pl. 6 b, fig. 11; 1828.

⁶⁾ *Paratropeza amoena* Alex.; Trans. Ent. Soc. London, 1922: 47—48; 1922.

⁷⁾ *Paratropeza jactans* Alex.; Ent. News, 24: 447; 1913.

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

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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.



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Artikel/Article: [Die Ausbeute der deutschen Chaco-Expedition 1925/26. - \(Diptera\). \(Fortsetzung.\) XXXVIII. Tipulidae. 41-46](#)