

are recognized as the *neglecta* morphotype. One of these specimens (*Le Prieur s. n.*) has "*Geonoma neglecta*" written, in Trail's hand-writing, on the label. This specimen was illustrated by Wessels Boer (1968, plate V) and determined by him as *G. bartlettii*. However, the type of that name was destroyed and it is treated here as an excluded name. Two specimens from Suriname (*Sastre 1567, Wessels Boer 1558*), with larger leaves and inflorescences with persistent staminate flowers appear more like those of the *pyncostachys* morphotype of subspecies *arundinacea*. These are recognized as the *large* morphotype.

60b. *Geonoma stricta* subsp. *antioquiensis* Henderson, subsp. nov. (Appendix IV, Plate 60)

A subspeciebus extraamazonicis aliis bractea pedunculare altior supra prophylo inserta differt.

Type: COLOMBIA. Antioquia: Mun. San Luis, autopista Medellín-Bogotá, sector Río Samana-Río Claro, hacia Aquitania, entrando por vereda Altavista, a 5 km de la autopista, 700–800 m, 27 September 1986, A. Cogollo & R. Torres 2397 (holotype COL!).

Leaves undivided; veins not raised or slightly raised and triangular in cross-section adaxially; pinnae 1 per side of rachis. *Inflorescences* unbranched; staminate flowers deciduous after anthesis.

Distribution and habitat:—From 5°42'–7°05'N and 74°44'–74°58'W in the Central Cordillera in Colombia (Antioquia) at 852(700–1075) m elevation in lowland rainforest (Fig. 38).

60c. *Geonoma stricta* subsp. *arundinacea* (Martius) Henderson, comb. & stat. nov.

Basionym: *Geonoma arundinacea* Martius (1823: 17). Lectotype (selected by Wessels Boer 1968): BRAZIL. Amazonas: "Rio Negro", no date, C. Martius s.n. (lectotype M!).

Geonoma pyncostachys Martius (1823: 16). Type: BRAZIL. Amazonas: Rio Japurá, no date, C. Martius s.n. (holotype M!).

Geonoma stricta var. *trailii* (Burret) Henderson (1995: 288). *Geonoma trailii* Burret (1930a: 178). *Geonoma elegans* Martius var. *amazonica* Trail (1876: 324). Type: BRAZIL. Amazonas: Rio Purus, Barreiras de Mancira, 29 September 1874, J. Trail 1032/CXXXIII (holotype K!).

Geonoma piscicauda Dammer (1907: 123). *Geonoma stricta* var. *piscicauda* (Spruce) Henderson (1995: 287). Type: BRAZIL. Acre: Rio Juruá, Juruá-mirim, May 1901, E. Ule 5520 (holotype B, destroyed, isotypes F!, K!, MG!).

Geonoma wittiana Dammer (1907: 124). Type: BRAZIL. Acre: Rio Juruá, Juruá-mirim, September 1901, E. Ule 5884 (holotype B, destroyed, isotype MG!).

Geonoma uleana Dammer (1907: 122). Type: BRAZIL. Acre: Rio Juruá, Cachoeira, May 1901, E. Ule 5521 (holotype B, destroyed, isotype MG!).

Geonoma trauniana Dammer (1907: 124). Type: BRAZIL. Acre or Amazonas: Rio Juruá, Fortaleza, October 1901, E. Ule 5946 (holotype B, destroyed, isotype MG!).

Geonoma dasystachys Burret (1930a: 251). Type: BRAZIL. Amazonas: Rio Negro, Jauapasse assu, 5 July 1874, J. Trail 981/XC (holotype K!).

Geonoma bella Burret (1935b: 304). Type: BRAZIL. Amazonas: Mun. Tefé, Paranagua, 22 May 1933, B. Krukoff 4543 (holotype B, destroyed, isotypes F!, M!, MO!, NY!, US!).

Leaves undivided or pinnate; veins raised and rectangular in cross-section adaxially, or not raised or slightly raised and triangular in cross-section adaxially; pinnae 2(1–12) per side of rachis. *Inflorescences* unbranched or branched; staminate flowers deciduous or persistent after anthesis.

Distribution and habitat:—From 2°30'N–17°50'S and 49°32'–78°42'W in the western Amazon region of Venezuela, Colombia, Ecuador, Peru, and Brazil and eastern Andean slopes in Ecuador, at 416(75–1850) m elevation in lowland or montane rainforest (Fig. 38).

This is a widespread and extremely variable subspecies which can be divided into various morphotypes, mostly based on leaf size and shape.

In the western Amazon basin of Colombia, Ecuador, Peru, and Brazil there is a morphotype (*arundinacea*) with undivided or pinnate leaves with non-raised adaxial veins and unbranched or branched inflorescences with deciduous staminate flowers. In some cases specimens approach those of the *trailii* morphotype and are only distinguished by their non-raised adaxial veins. For example, in Yasuni National