

**FIRST REPORT OF *CAREX SUBANDROGYNA* (CYPERACEAE)
FROM BOLIVIA**GERALD A. WHEELER ¹ & ENCARNACION R. GUAGLIANONE ^{2,3}¹ *University of Minnesota Herbarium. J. F. Bell Museum of Natural History, St. Paul, Minnesota 55108-1095, United States of America. E-mail: wheel039@tc.umn.edu*² *Instituto de Botánica Darwinion. Casilla de Correo 22, B1642HYD, San Isidro Buenos Aires, Argentina. E-mail: rguaglianone@darwin.edu.ar*

ABSTRACT: Wheeler, G. A. & Guaglianone, E. R. 2006. First report of *Carex subandrogyna* (Cyperaceae) from Bolivia. *Hickenia* 3(60): 267-269.

Carex subandrogyna (sect. Schiedeanae) is reported for the first time from Bolivia. This species is known from Chuquisaca and Tarija departments, where it grows in Tucumán-Bolivian forest from about 2100 to 2450 m s.m. The species was first described from Argentina.

Key words: Taxonomy, Cyperaceae, *Carex*, Section Schiedeanae, Bolivia, Argentina.

RESUMEN: Wheeler, G. A. & Guaglianone, E. R. 2006. Primera cita de *Carex subandrogyna* (Cyperaceae) para Bolivia. *Hickenia* 33(60): 267-269.

Carex subandrogyna (sección Schiedeanae), previamente descripta para Argentina, es citada por primera vez para Bolivia. Habita en el bosque Boliviano-Tucumano, en los departamentos de Chuquisaca y Tarija, entre los 2100 y los 2450 m s.m.

Palabras clave: Taxonomía, Cyperaceae, *Carex*, Sección Schiedeanae, Bolivia, Argentina.

The genus *Carex* L. (Cyperaceae) is represented in Bolivia with an estimated 40 to 50 species. While one of us (GAW) was working on a checklist of the *Carex* from that country, many specimens of the genus were examined, some of which form the basis of this note. In this paper, *Carex subandrogyna* G. A. Wheeler & Guagl. is reported for the first time from Bolivia. Three specimens of *C. subandrogyna* have been seen from Bolivia, two of which were originally unidentified and the third incorrectly

assigned to a different genus. This species is characterized by having all spikes slightly androgynous, conspicuous inflorescence prophylls, and sheathless bracts. As just intimated, the epithet refers to the short, rather inconspicuous terminal staminate portion of each spike of the inflorescence. Plants with mature perigynia and ripe achenes have been collected in January and February. The species has been illustrated by Wheeler & Guaglianone (2003).

³ Miembro de la Carrera del Investigador, CONICET

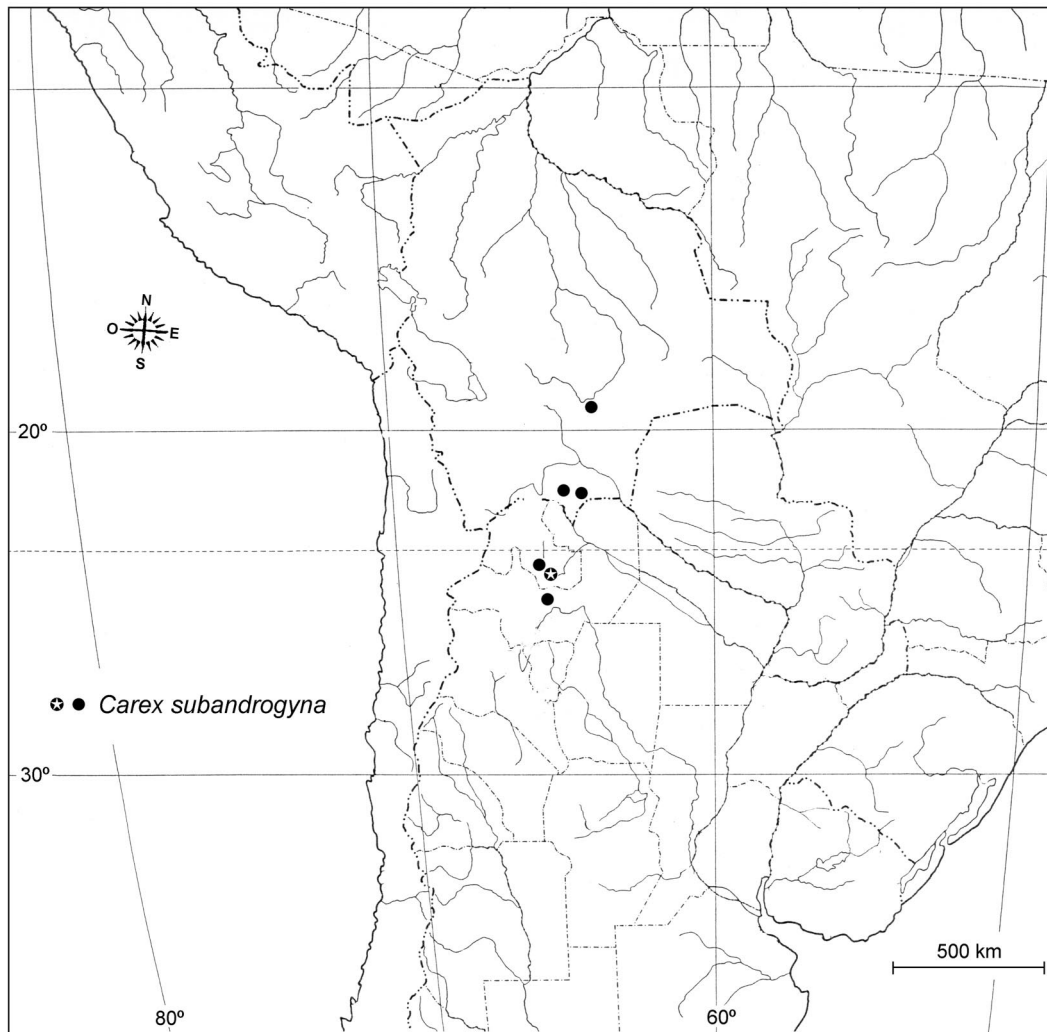


Fig. 1. Distribution of *Carex subandrogyna* in Argentina and Bolivia. Starred circle represents the holotype locality.

C. subandrogyna grows in Tucumán – Bolivian forest or «yungas», between 1000 to 2450 m s.m. In Argentina it is known from Salta and Jujuy provinces (Wheeler & Guaglianone, 2003). In Bolivia the species is recorded from Chuquisaca and Tarija departments, where it grows primarily in sub-humid forests dominated by *Podocarpus parlatorei* Pilg. See Fig. 1. This species has been placed in *Carex* sect. Schiedeanae Kük. (Wheeler & Guaglianone, 2003). Only a single member of this section, *C.*

muriculata F. J. Hermann, is reported from North America (excluding Mexico) and an estimated 14 species occur in northern Mexico (Reznicek, 2003). Thus far, *C. subandrogyna* is the only member of this section known from South America. It differs from previously described North American and Mexican species (Hermann, 1974; Reznicek, 2003) by having glabrous perigynia, a shorter perigynium beak, and slightly wider leaves (Wheeler & Guaglianone, 2003).

Specimens examined

BOLIVIA. **Chuquisaca.** Prov. B. Boeto: Nuevo Mundo, 18° 59' 40"S, 64° 17' 03"W, bosque subhúmedo, bosque Boliviano-Tucumano, 2400 m s.m., 11-I-1996, Serrano 1470 (LPB, MIN). **Tarija.** Prov. A. Arce Ruiz: detrás de Padcaya, 21° 53'S, 64° 44'W, 2450 m s.m., bosque de *Podocarpus parlatorei*, 23-I-1988, Liberman et al. 1615 (LPB, MIN); Prov. Cercado/Avilez: Pampa Redonda, 21° 30'S, 64° 50'W, 2100 m s.m., bosque de *Podocarpus*, 8-II-1988, Liberman et al. 2139 (LPB, MIN).

ACKNOWLEDGMENTS

We would like to thank S. G. Beck (Herbario Nacional de Bolivia) for the loan of *Carex* specimens and for providing duplicates specimens; A. Cholewa (University of Minnesota) for arranging loans and other herbarium services and M. Valente (Instituto de Botánica Darwinion) for technical assistance.

LITERATURE CITED

- Hermann, F. J. 1974. Manual of the genus *Carex* in Mexico and Central America. Washington, Forest Service, U.S. Dept. of Agriculture. *Agric. Handb.*: 467. iv, 219 p.
- Reznicek, A. A. 2003. *Carex*, sect. Schiedeanae. In: Flora of North America Editorial Committee, eds. *Flora of North America North of Mexico*. Vol. 23, Magnoliophyta: Commelinidae (in part): Cyperaceae: 572. New York and Oxford.
- Wheeler, G. A. & E. R. Guaglianone. 2003. A new species of *Carex* (Cyperaceae) from Argentina. *Hickenia* 3:163-166.

Original recibido el 1 de febrero de 2005; aceptado el 14 de abril de 2005.