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东川铁线莲，云南毛茛科一新种

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摘要: 描述了自云南东北部发现的毛茛科铁线莲属一新种, 东川铁线莲。此种由于其叶为单叶, 萼片直立, 雄蕊的花丝和花药均被短柔毛而与曲柄铁线莲近缘, 与后者的区别在于其叶呈心状卵形, 叶缘具粗牙齿, 花序为二歧聚伞花序, 以及花药顶端钝, 不具短尖头。

关键词: 毛茛科, 铁线莲属, 新种, 云南

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Clematis dongchuanensis, a new species of Ranunculaceae from Yunnan

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Abstract: A species of the genus *Clematis* (Ranunculaceae), *C. dongchuanensis*, is described as new from northeastern Yunnan. In having simple leaves, erect sepals and puberulous filaments and anthers of stamens this species is related to *C. repens* Finet & Gagnep., and from the latter differs in its cordate-ovate and coarsely dentate leaves, dichotomous cymes, and obtuse, not apiculate apexes of anthers.

Key words: Ranunculaceae, *Clematis*, new species, Yunnan

东川铁线莲 图 1

Clematis dongchuanensis W. T. Wang, sp.

nov. Fig. 1.

sect. *Viorna* (Reichb.) Prantl subsect.

Connatae Koehne

Ob folia simplicia, sepala erecta, et staminum filamenta antherasque omnino puberulas species nova haec est affinis *C. repenti* Finet & Gagnep., quae foliis simplicibus vel folii ternati foliolis ellipticis indivisis basi late cuneatis vel rotundatis raro subcordatis margine sparse denticulatis vel integris, cymis axillaribus 1-

floris, sepalis dorso glabris, antheris apice apiculatis facile differt.

Woody vine. Stem 1-2 m long (according to the collector); branchlets slender, ca. 1 mm across, sparsely puberulous. Leaves opposite, simple; blades papery, cordate-ovate or pentagonal-ovate, 9-12 cm long, 4-6.5 cm broad, apex acuminate, base cordate, 3-lobed; central lobe larger, ovate, 6-8 cm long, with margin unequally coarsely dentate, lateral lobes smaller, obliquely flabellate, unequally 2-lobulate, with margin unequally coarsely dentate; surfaces adaxially sparsely strigillose,

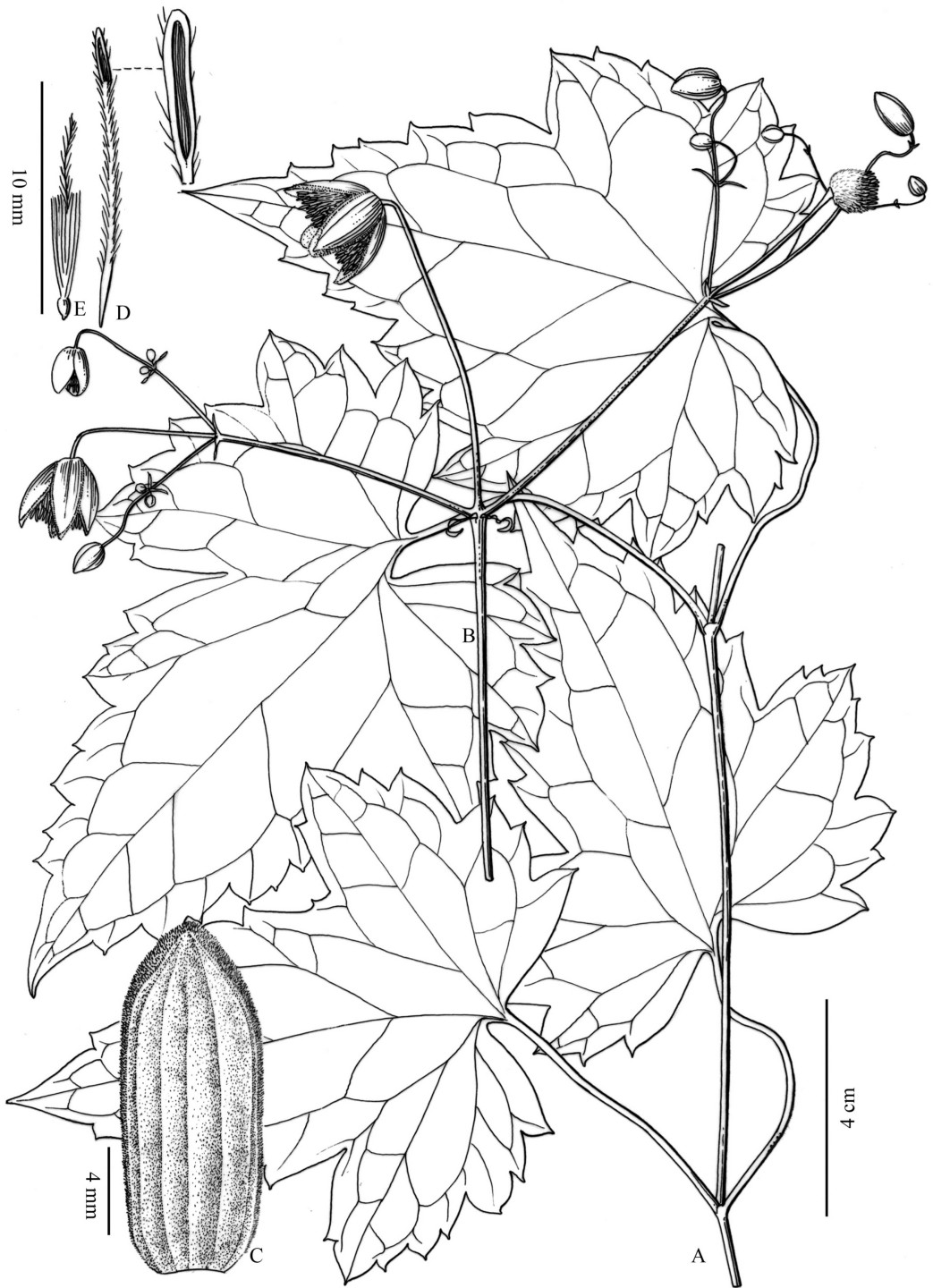


图 1 东川铁线莲 A. 部分枝条; B. 聚散花序; C. 萼片(背面观); D. 雄蕊; E. 心皮。(孙英宝绘图)

Fig. 1 *Clematis dongchuanensis* A. Part of a branch; B. Cyme; C. Sepal (dorsal view); D. Stamen; E. Carpel. (Drawn by SUN Ying-Bao)

abaxially appressed-pubescent; venation trinerved, with nerves nearly flat; petioles 4–6.5 cm long, sparsely puberulous. Dichotomous cyme terminal (?), ca. 15 cm

broad, three times branched, ca. 12-flowered; peduncle ca. 7 cm long, subglabrous; bracts 2 opposite, lanceolate-linear, ca. 8 mm long, 1 mm broad, abaxially sparsely

pubescent, base decurrent and auriculate; branches and pedicels glabrous; bracts of branches opposite, linear, 2.5–5.8 mm long, puberulous; pedicels 0.35–6.5 cm long. Flower slightly pendulous: Calyx broadly campanulate; sepals 4, erect, yellow-green (according to the collector), oblong-ovate, 13–15 mm long, 5–6 mm broad, adaxially and abaxially densely appressed-puberulous, apex obtuse, margin above velutinous. Stamens ca. 50, 11–13.2 mm long; filaments narrow-linear, 9–10 mm long, ca. 0.4 mm broad, densely puberulous, longitudinally 1-nerved; anthers linear, 2.2–2.8 mm long, 0.4 mm broad, abaxially puberulous, apex obtuse. Carpels ca. 40, ca. 9 mm long; ovaries ca. 1 mm long, appressed-pubescent; styles slender, ca. 8 mm long, below densely long sericeous (with hairs 2–4.5 mm long), above densely sericeous-pubescent (with hairs 0.5–1 mm long), apex slightly thickened.

木质藤本。茎长 1~2 m (据采集者); 小枝细, 粗约 1 mm, 疏被短柔毛。叶对生, 为单叶; 叶片纸质, 心状卵形或五角状卵形, 长 9~12 cm, 宽 4~6.5 cm, 顶端渐尖, 基部心形, 3 浅裂, 中央裂片较长, 卵形, 长 6~8 cm, 边缘有不等大的粗牙齿, 侧裂片较小, 斜扇形, 不等微 2 裂, 边缘有不等大的粗牙齿, 上面疏被短糙伏毛, 下面被贴伏柔毛, 三出脉, 脉近平; 叶柄长 4~6.5 cm, 疏被短柔毛。二歧聚伞花序顶生 (?), 宽约 15 cm, 三回分枝, 约有 12 花; 花序梗长约 7 cm, 近无毛; 苞片 2, 对生, 披针状条形, 长约 8 mm, 宽 1 mm, 下面疏被柔毛, 基部下延, 呈耳状; 分枝和花梗无毛; 分枝的苞片对生, 条形, 长 2.5~5.8 mm, 被短柔毛; 花梗长 0.35~6.5 cm。花稍下垂; 花萼宽钟状; 萼片 4, 直立, 黄绿色(据采集者), 长圆状

卵形, 长 13~15 mm, 宽 5~6 mm, 两面密被贴伏短柔毛, 顶端顿, 边缘上部被短绒毛。雄蕊约 50, 长 11~13.2 mm; 花丝狭条形, 长 9~10 mm, 宽约 0.4 mm, 密被短柔毛, 具 1 条纵脉; 花药条形, 长 2.2~2.8 mm, 宽 0.4 mm, 背面被短柔毛, 顶端钝。心皮约 40, 长约 9 mm; 子房约 1 mm, 被贴伏柔毛; 花柱细长, 长约 8 mm, 下部密被长绢毛(毛长 2~4.5 mm), 上部密被绢状柔毛(毛长 0.5~1 mm), 顶端稍变粗。

云南 (Yunnan): 东川 (Dongchuan), 因民 (Yinmin), 小山脑 (Xiaoshannao), alt. 2290 m, 崖边 (by cliff), 藤本长 1~2 m (vine 1–2 m long), 花黄绿色 (fls. yellow-green), 1984-09-11, 蓝顺彬 (Lan Shun-bin) 217 (**holotype**, PE).

本种的叶为单叶, 萼片直立, 雄蕊花丝和花药均被短柔毛, 曲柄铁线莲 (*Clematis repens* Finet & Gagnep.) 也具上述形态特征, 这种情况说明本种在亲缘关系上接近曲柄铁线莲, 与后者的区别是本种的叶呈心状卵形, 3 浅裂, 边缘有粗牙齿, 花序为具约 12 朵花的二歧聚伞花序, 萼片两面密被短柔毛, 雄蕊花药顶端钝, 无短尖头。在曲柄铁线莲, 其单叶或有时为三出复叶的小叶均呈椭圆形, 不分裂, 基部宽楔形或圆形, 稀浅心形, 边缘具少数小牙齿或全缘, 聚伞花序腋生, 只具 1 花, 萼片外面无毛, 雄蕊花药顶端有短尖头(方明渊, 1980)。

致谢 深切感谢孙英宝先生为本文绘图。

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Wilson 于 2014 年编写出版的绿绒蒿属专著, *M. napaulensis* 特产尼泊尔, 在中国不产, 其叶基生并茎生, 羽状全裂或羽状深裂, 与茎均被具短毛的硬毛, 花组成圆锥花序, 每朵花具 4 片黄色呈倒卵形的花瓣, 与本种大不相同。

致谢 深切感谢孙英宝先生为本文绘图。

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