

## 迁西乌头 河北毛茛科一新种

王文采

(中国科学院植物研究所系统与进化植物学国家实验室,北京 100093)

**摘要** 描述了自河北省发现的毛茛科乌头属一新种,迁西乌头。此新种在叶和花的形状方面与乌头像似,但其块根二叉状分枝,茎低矮,之字形弯曲,无毛,叶较小,无毛,花单朵顶生,花梗、萼片外面和心片均无毛,而与乌头相区别。

**关键词** 毛茛科;乌头属;新种;河北

中图分类号: Q914.88 文献标志码: A doi: 10.7525/j.issn.1673-5102.2013.06.001

### *Aconitum qianxiense* a New Speceis of Ranunculaceae from Hebei

WANG Wen-Tsai

(State Key Laboratory of Systematic and Evolutionary Botany, Institute of Botany, Chinese Academy of Sciences, Beijing 100093)

**Abstract** A species of the genus *Aconitum* (Ranunculaceae), *Aconitum qianxiense*, is described as new from Hebei Province. In shape of leaves and flower it bears obvious resemblance to *A. carmichaeli* Debx., and from the latter differs in its bifurcate tubers, humile zigzag glabrous stem, smaller glabrous leaves, solitary terminal flower, and glabrous pedicel, outer surfaces of sepals and carpels.

**Key words** Ranunculaceae; *Aconitum*; new species; Hebei

#### 迁西乌头 图 1

*Aconitum qianxiense* W. T. Wang, sp. nov.  
(Subgen. *Aconitum*)

Ob formam foliorum et floris species nova haec est similis *A. carmichaeli* Debx., quod tuberibus haud ramosis, caulibus robustis usque ad 150 cm altis rectis puberulis, foliis majoribus 9 - 15 cm latis plerumque trisectis utrinque puberulis, floribus in racemum dispositis, pedicellis sepalisque extus puberulis, carpellorum ovariis puberulis raro glabris valde differt.

Tubers 2, carrot-shaped, 2.5 - 4 cm long, near apex ca. 7 mm across, below bifurcate-branched. Stem slender, ca. 19 cm tall, at base 1.2 mm across, glabrous, smooth, zigzag, ca. 8-leaved. Leaves petiolate, glabrous; blades thinly coriaceous, pentagonal, 2.1 - 3.3 cm long, 3 - 6.4 cm broad, at base

deep-cordate or open-cordate, to 1 - 4 mm above base 3-parted or 3-sect, central segment broad-rhombic, obovate-rhombic or broad-oblongate, 1.7 - 3.3 cm long, 0.8 - 2.8 cm broad, at apex acute, 3-lobed, 3-dentate or subentire, lateral segments obliquely flabellate, unequally 2-lobed or 2-parted, with lobes 1 - 2-denticulate; petioles slender, 1.2 - 4.5 cm long. Flower solitary, terminal; bracts 2, opposite, shortly petiolate, leaf-like, ca. 8 mm broad; pedicel slender, ca. 4.6 cm long, 0.9 mm across, glabrous, smooth, above base 2-bracteolate; bracteoles sessile, lanceolate-linear, ca. 3.5 mm long, 0.6 mm broad, glabrous. Sepals purple, outside glabrous; upper sepal high galeate, ca. 1.7 cm high, shortly clawed and beaked, within glabrous, lower margin concave, ca. 1.3 cm long; lateral sepals obliquely broad-obovate, ca. 1.5 cm long, 1.4 cm broad, within sparsely sericeous; lower sepals slightly unequal in size, narrow-

作者简介: 王文采(1926—)男,研究员,中科院院士,主要从事有花植物分类学研究。  
收稿日期: 2013-06-22

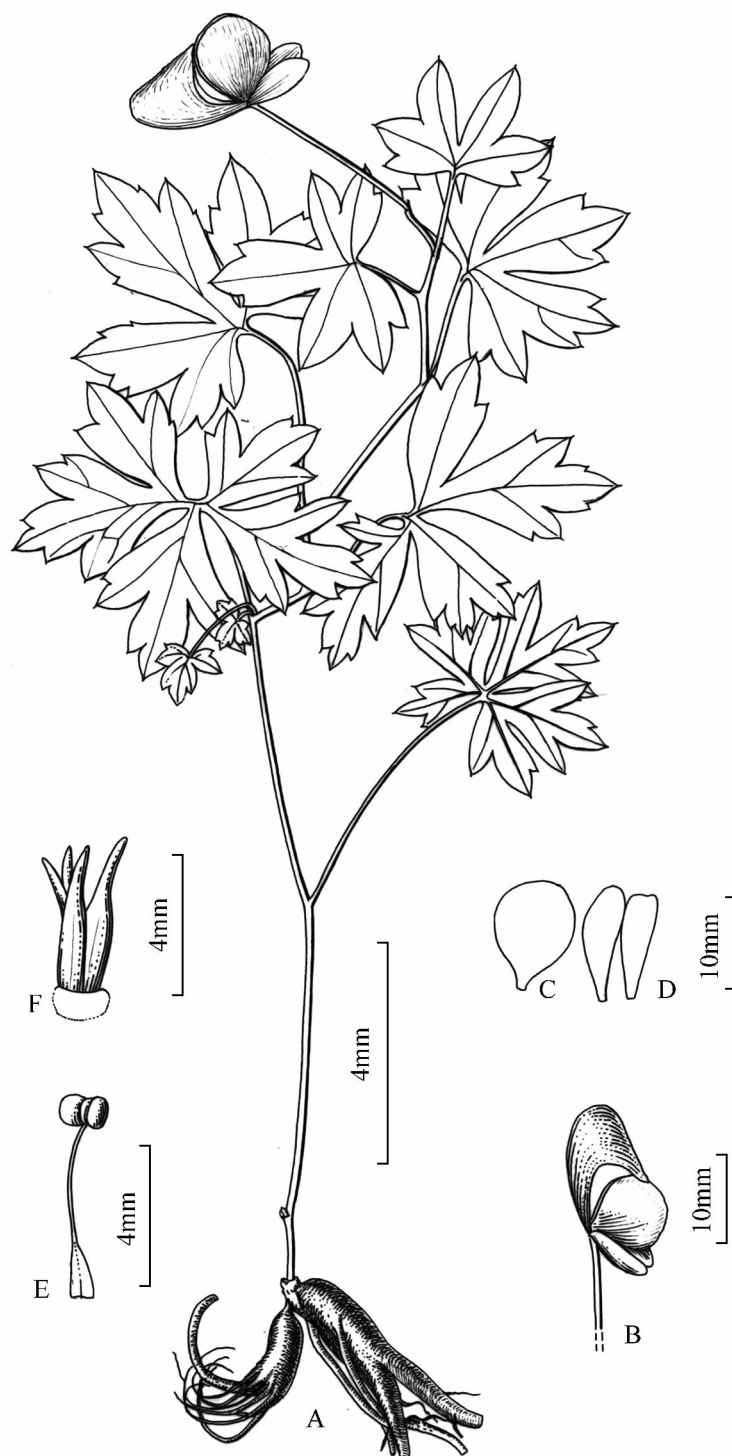


图1 迁西乌头 A. 植株全形; B. 花; C. 侧萼片; D. 2下萼片; E. 雄蕊; F. 雌蕊群, 包含4枚心皮

**Fig. 1** *Aconitum qianxiense* A. Habit; B. Flower; C. Lateral sepal; D. Two lower sepals; E. Stamen; F. Gynoecium, consisting of four carpels (from holotype)

obovate, 1.1 – 1.3 cm long, 5 – 6 mm broad, at apex subtruncate, within sparsely sericeous. Petals (damaged by insects) glabrous; claws ca. 1.2 cm long; limbs linear, ca. 7 mm long, 2 mm broad; lips ligu-

late, ca. 3.5 mm long; spurs unknown. Stamens glabrous; filaments filiform, ca. 5 mm long, near base broadened; anthers subquadrate, ca. 0.8 mm long, 1 mm broad. Carpels 4, 4 – 4.5 mm long, glabrous.

块根 2 胡萝卜形, 长 2.5~4 cm, 近顶端粗约 7 mm, 下部二叉状分枝。茎纤细, 高约 19 cm, 基部粗约 1.2 mm, 无毛, 光滑, 之字形弯曲, 约有 8 叶。叶具柄, 无毛; 叶片薄革质, 五角星, 长 2.1~3.3 cm, 宽 3~6.4 cm, 基部深心形或开展心形, 3 深裂至基部之上 1~4 mm 处或 3 全裂, 中央一回裂片宽菱形, 倒卵状菱形或宽倒披针形, 长 1.7~3.3 cm, 宽 0.8~2.8 cm, 在顶端急尖, 3 浅裂, 具 3 牙齿或近全缘, 侧一回裂片斜扇形, 不等 2 浅裂或 2 深裂, 二回裂片有 1~2 小齿; 叶柄纤细, 长 1.2~4.5 cm。花单朵顶生; 苞片 2, 对生, 具短柄, 叶状, 宽约 8 mm; 花梗纤细, 长约 4.6 cm, 粗 0.9 mm, 无毛, 光滑, 在基部之上有 2 小苞片; 小苞片无柄, 披针状条形, 长约 1.7 cm, 具短爪和短喙, 内面无毛, 下面凹, 长约 1.3 cm, 侧萼片斜宽倒卵形, 长约 1.5 cm, 宽 1.4 cm, 内面被绢毛, 下萼片稍不等大, 狭倒卵形, 长 1.1~1.3 cm, 宽 5~6 mm, 在顶端近截形, 内面疏被绢毛。花瓣(受到昆虫的损害)无毛; 爪长约 1.2 cm; 瓣片条形, 长约 7 mm, 宽 2 mm, 唇舌状, 长约 3.5 mm; 距未见。雄蕊无毛; 花丝丝形, 长约 5 mm, 近基部变宽; 花药近方形, 长约 0.8 mm, 宽 1 mm。心皮 4, 长 4~4.5 mm, 无毛。

河北(Hebei): 迁西县(Qianxi Xian), 兰阳(Lanyang), 山峪外(Shanyuwai), 羊角石(Yangjiaoshi) 花紫色(flower purple), 1981-09-

03 迁西县农业区划办公室(Agriculture division office of Qianxi Xian) 无号(sine num., holotype, PE)。

本种的叶和花的形状与乌头(*Aconitum car-michaeli* Debx.) 的相似, 但在以下特征与后者明显不同: 本种的块根二叉状分枝, 茎纤细, 低矮, 高约 19 cm, 无毛, 之字形弯曲, 叶较小, 宽达 6.4 cm, 3 深裂或 3 全裂, 两面无毛, 花单朵顶生, 花梗, 萼片外面和心皮无毛。在乌头, 块根不分裂, 茎粗壮, 高达 150 cm, 直, 被短柔毛, 叶较大, 宽 9~15 cm, 多数 3 全裂, 两面被短柔毛, 花组成总状花序, 花梗和萼片外面均被短柔毛, 心皮的子房被短柔毛, 稀无毛<sup>[1]</sup>。

我查阅《河北省地图册》中的迁西县地图, 未找到本种模式标本的野外记录中记载的“兰阳”、“山峪外”和“羊角石”诸地, 并怀疑“兰阳”可能是地图中的“滦阳”的误写。

致谢 深切感谢孙英宝先生为本文绘图。

## 参 考 文 献

1. 王文采. *Aconitum*. 于中国植物志[M]. 北京: 科学出版社, 1979, 27: 113-326.
2. 杜秀荣. 河北省地图册[J]. 北京: 中国地图出版社, 2013.