

多年生草本,低矮,高仅 10 厘米左右,高者可达 15 厘米,干时变为黑色。根茎粗短,长不过 2 厘米,在其上发出多条紡錘形或蘿卜形的根,长者达 14 厘米,有时分枝,亦偶然仅有根 1 条而长达 20 厘米,根頸常有披針形膜質鱗片。茎多单条,少有多条,粗壮,完全裸露或具 1—3 叶,有毛。叶多基生,叶柄很长,达 5.5 厘米,多汁,似有狭翅,叶片无毛或有疏緣毛,披針形,长 2—6 厘米,寬达 12 毫米,鈍头,向基长漸狭,羽状全裂,軸有翅,裂片 11—18 对,长圓形或倒卵形,基部寬,端鈍头,緣互相盖迭,前半部有波状缺齿,齿常重出而有凸尖,背面有白色肤屑状物,脉有紫暈,茎叶較小而柄亦較短。穗状花序极密,长 3—10 厘米,有时下部之花多少疏远,开花次序显然离心;苞片下部者叶状,或下部几对羽片很疏远,向上則柄膨大而片作不等的 3 裂,与萼等长,有具节之毛;花梗几不存在至长达 4 毫米,粗壮;萼长 10—12 毫米,微微膨大,除主脉外厚膜質,齿 5 枚,长仅管的 1/4,等长,后方 1 枚針形,其余者有柄而作匙形,端有齿状裂片;花冠黄色而盔紅色,长 23—28 毫米,管圓筒形,稍长于萼,端稍稍前俯,寬約 2.5 毫米,向端稍扩大,外面上半部腹面有毛綫两条,盔长 10—14 毫米,几不比管为寬,背直,前緣中部以下向前膨脹,緣較厚而反捲,有腺点,頂圓形,前緣上部向前弓弯,两者汇合而向前凸出作喙状,有寬 1 毫米的斜截头,端微凹或有短鈍齿 1 对,下唇甚短于盔,寬約 10 毫米,深 3 裂,开展,中裂 5—7 毫米,有柄,圓形,側裂圓形,徑約 5 毫米,端均凹头,緣有疏毛;雄蕊着生于花管中部以上,前方 1 对花絲上部有毛。花柱不伸出或稍稍伸出。 花期 8 月。

为我国特有种,产云南西北部(中甸),生于海拔 4,300—4,500 米的高山草坡上。

本种未見模式标本,据韓馬迪氏图及說明,李惠林氏所定的一些标本,在盔部鑷状弓曲比較強烈,花的大小以及下唇无緣毛等点都有些不合,恐尚有問題。

294. 哈巴山馬先蒿

Pedicularis habachanensis Bonati, in Notes Bot. Gard. Edinb. XV (1926) 151; Limpr. in Repert. Sp. Nov. XXIII (1927) 334; Li, in Proc. Acad. Nat. Sci. Philad. CI(1949) 94, f. 152.

哈巴山馬先蒿哈巴山亚种 图版 LXXVII, 6

Pedicularis habachanensis Bonati subsp. ***habachanensis***

图版 LXXVII 1—3. 假多色馬先蒿 *Pedicularis pseudoversicolor* Hand.-Mazz., 1. 植株×1; 2. 根×1; 3. 花×2。4—5. 哈巴山馬先蒿多羽片亚种 *P. habachanensis* Bonati subsp. *multiplinnata* Tsoong, 4. 植株×1; 5. 花×2。6. 哈巴山馬先蒿哈巴山亚种 *P. habachanensis* Bonati subsp. *habachanensis*, 6. 叶子×1。(繪图人王凤祥)

abundantia, labium inferius magnum, latius quam longius, margine minute undulato-denticulatum, 20 mm. longum, 24 mm. latum, lobis 3, fere aequalibus, lobo medio paulo minore, basi utrinque plus minusve auriculato, deinde in stipitem latum oblique angustato, lobis lateralibus longitudinaliter reniformibus, utrinque auriculatis; staminum filamentis anticis dense pilosis, posticis sparsius barbatis.

Szechuan: Dongrergo, in prato alpino, terroso, ca. 4700 m.s.m. (H. Smith 3162), VIII, 9, 1922, (typus).

294. **Pedicularis habachanensis** Bonati subsp. **multipinnata** Tsoong, subsp. nov.

A subsp. *habachanensis* differt habitu elatiore, pinnis foliorum multijugatis, utrinsecus circ. 13—23, iisque prope basin folii saepe multo minoribus fere minutis.

Yunnan: without exact loc. (T. T. Yu 11632), (subsp. type).

312. **Pedicularis tricolor** Hand.-Mazz. var. **aequiretusa** Tsoong, var. nov.

Haec subsp. differt lobis lateralibus ut in lobo medio apice retusis.

Yunnan: "Taucheng Distr., Woyung, alt. 3400 m., margin of thickets (T. T. Yu 12947), VIII, 28, 1937; fl. deep lemon yellow, light on margin, common." (var. type).

313. **Pedicularis chinensis** Maxim. forma **erubescens** Tsoong, f. nov.

A forma *chinense* differt floribus nec flavis, sed dilute purpureo-rubris.

Hopei: Hsiaowutai Shan, Nan-tai (Y. W. Tsui 2833), VIII, 28, 1950 (f. type). Shan-ying, Tsao-tu Shan (Y. W. Tsui 2359), VIII, 11, 1950.

50. **Pterygiella** Oliver

3. **Pterygiella cylindrica** Tsoong, sp. nov.

Species *P. nigrescenti* Oliver et *P. duclouxii* Franch. affinis, sed caule ramulisque cylindricis nec alatis, foliis trinervatis facile distinguenda.

Annua, siccitate leviter nigrescens, erecta, circ. 25—60 cm. alta, dense pubescens. Caulis saepe simplex, solidus, basi plus minus lignescens, tota longitudine cylindricus, nec sulcatus nec alatus, diam. 2—2.5 mm., gracilis et strictus, pilis griseo-brunneis patentibus dense vestitus, superne saepius inferne raro ramosus, ramis oppositis, gracilibus, brevibus, superioribus saepe male evolutis folia parva dua tantum gerentibus. Folia opposita, omnia caulinarum, inferiora saepe evanida, reliqua approximata inter se separata, fere sessilia, lanceolato-linearum usque linearum, tenuiter coriacea, circ. 2.5—3.5 cm. longa, 4 mm. lata, utraque pagina pilis griseo-brunneis appressis densissime oblecta, nervis 3, medio venis lateralibus 2—3 laxae sed distincte reticulatis instructo, superne immersis subtus elevatis, margine revoluta, integra vel leviter undulata. Inflorescentia terminalis racemosa, usque ad 12 cm. longa, densiflora; bracteis foliaceis, flores superantibus vel aequantibus, utrinque leviter ferrugineo-pubescentibus; pedicellis brevibus gracilibusque circ. 3 mm. longis, densissime pilis brevibus ferrugineis vestitis, bracteolas 2 subulatas gerentibus; calyx campanulatus, herbaceus, fructifer textura durior, leviter bilabiatus, circ. 13—16 mm. longus, 8 mm. diam., utraque pagina pilis densis extus glandulisque brevibus intermixtis indutus,