

在中裂凹头的情况下,这些标本除了有些連側裂都凹头的以外,其花冠构造,已不再有什么可以据以与凸額馬先蒿相区别的特征了。不过在解剖的过程中,我們却发现所有的云南标本中,其子房近頂处都被有硬毛,这連我們所有的花冠很不好的韓氏 7526 号的花的解剖和所有側裂也是凹头的标本在內。在本属中子房很少提供可以区别种的特征,尤其很少生毛。为了这,我們又把甘肃和川西的凸額馬先蒿的凸額变种和长角变种的标本加以核对,結果証实了这一特征在那些标本中的确不存在。我們以为这一特征不但与分布有联系性,而且它也同样地見于只有中裂凹头的和 3 个裂片都凹头的标本中,这就明显地表明这一特征,不但是重要的,而且还因为要比下唇裂片的形状稳定些,因而更重要些;我們认为应该把它作为区别种的征候。在这一种观点下,所有云南的标本可认为同属一种,而又有不同的变种和变型存在其中。

至于这一个种应该用什么名字的問題,可以这样解决。既然 *P. garnieri* 因子房无毛而作为凸額馬先蒿的一个变种,則我們所能用的次老名字,就只有 *P. tricolor* Hand.-Mazz. 了,虽然在原記載中有一些点不合,我們是可以解說得通的。第一,雄蕊是被說成无毛的,不过按李惠林說这一点是韓氏弄錯了,是两对都有毛的,我們也认为在附近的一些种中没有一个曾有过完全光滑的雄蕊,李氏的話大概可靠;第二,子房有毛的問題,我們可以认为由于子房在本属中向来沒有見過生毛,它也很少有其他区别种的特征,所以为韓氏所漏看了。至于下唇中裂,原来就說是“微凹头的”,所以不成問題。根据以上所說,我們也打算在这几点上把韓氏的記載加以改正。

312. 三色馬先蒿

Pedicularis tricolor Hand.-Mazz. in Anz. Akad. Wiss. Wien, Math.-Nat. Kl. LIX (1922) 250, et Symb. Sin. VII (1936) 864, emend. Tsoong.—? *P. cranio-
lopha* Maxim. var. *garnieri* Bonati, in Notes Bot. Gard. Edinb. XIII (1921) 144; Limpr. in Repert. Sp. Nov. XX (1924) 250, non *P. garnieri* Bonati (1908).——? *P. garnieri* auct. non Bonati: Li, in Proc. Acad. Nat. Sci. Philad. CI (1949) 187, excl. f. 217.

三色馬先蒿三色变种 图版 LXXXII, 5—7

Pedicularis tricolor Hand.-Mazz. var. ***tricolor***

根仅結一次果即枯死,小而垂直向下,不分枝,不或几不增粗,有少数細須根。茎单出或多条,簡單,中央者短,高不达 5 厘米,自基部即生花,側生者粗而弱,鋪散为 25 厘米寬的疏密不同的丛,仅上部 1/3 生花,无毛。叶基生者多数,茎生者中有一对及下部的苞片为对生,叶柄有狭翅,不长,最多与叶片亚相等,叶片披針形,微銳,长

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,