

- 168. 暗褐薹草 *C. atrofusca* Schkuhr.
 13. 雌花鳞片椭圆形, 长 3—3.5 毫米, 顶端钝
 169. 青海薹草 *C. qinghaiensis* Y. C. Yang

165. 类短尖薹草

Carex mucronatiformis Tang et Wang sp. nov. in Addenda 525—526, 1999.

具长而匍匐的根状茎。秆高 10—20 厘米, 纤细, 平滑, 基部具淡褐色分裂成网状的叶鞘。叶短于秆, 宽约 1 毫米, 纸状, 内卷, 顶端渐尖, 绿色, 稍坚硬。苞片下部的刚毛状, 具短鞘, 上部的鳞片状。小穗 2—3 个, 接近, 顶生 1 个雄性, 棒状, 长 1—1.5 厘米, 具短柄; 侧生的雌性, 有时顶上具少数雄花, 卵形, 长 6—10 毫米, 无柄。雌花鳞片长圆状披针形, 长约 4 毫米, 顶端具短尖, 褐色, 背面中脉色淡, 具窄的白色膜质边缘。果囊卵状三棱形, 长 4—4.5 毫米, 下部黄绿色, 上部红褐色, 无毛, 脉不明显, 基部收缩成短柄, 顶端急缩成长喙, 喙口膜质, 斜截形, 具 2 齿。小坚果紧包于果囊中, 卵状三棱形, 栗色, 长 2 毫米; 花柱基部不膨大, 柱头 3 个。

产青海; 生于高山草甸或沙滩处, 海拔 2 800—3 900 米。模式标本采自青海柴达木。

166. 窄叶薹草 (西藏植物志) 图版 45: 1—3

Carex montis-everestii Kükenth. in Kew Bull. 1934: 261, 1934; Egorova in Grubov, Pl. As. Centr. 3: 81, 1967; 西藏植物志 5: 425, 1987.

根状茎木质, 具匍匐茎。秆丛生, 高 5 (2)—15 厘米, 纤细, 粗约 0.8 毫米, 钝三棱形, 平滑, 基部叶鞘紫红色。叶短于秆, 宽约 1 毫米, 淡绿色, 内卷, 边缘具细锯齿, 顶端拳卷。苞片下部的刚毛状, 上部的鳞片状, 基部具鞘。小穗通常 2 个, 稀 3—4 个, 较接近, 顶端 1 个雄性, 偶尔基部具 1—2 朵雌花, 长圆形, 长 1 厘米, 宽 3 毫米; 侧生小穗雌性, 长圆形或卵形, 长 1—1.5 厘米, 宽 6—10 毫米, 密花, 小穗柄纤细, 平滑, 稍下垂。雌花鳞片卵状披针形, 长 5—6.5 毫米, 有光泽, 暗紫红色, 中间绿色, 中脉明显, 其上粗糙, 中上部的边缘为宽的白色膜质, 具短尖。果囊与鳞片近等长, 椭圆形或卵形, 扁平, 长 5 毫米, 宽 2.5 毫米, 无脉, 下部淡绿色, 上部暗紫红色, 无毛, 上部边缘稍粗糙, 基部近圆形, 上部急缩成短喙或无喙, 喙口具明显 2 齿。小坚果疏松地包于果囊中, 椭圆形, 长 1.2 毫米, 具短柄, 柄长 0.5 毫米; 花柱长 3 毫米, 不伸出果囊之外, 柱头 3 个。 花果期 6—8 月。

产我国西藏; 生于山坡、河漫滩、灌丛、草甸或草原, 海拔 4 400—5 460 米。模式标本采自西藏。

167. 扁囊薹草 (中国高等植物图鉴) 图版 45: 8—11

Carex coriophora Fisch. et C. A. Mey. ex Kunth, Enum. Pl. 2: 463, 1847; V. Krecz. in Kom., Fl. URSS 3: 282, pl. 17, fig. 3, 1935; Kitag., Lineam. Fl.

Rhizoma longe stoloniferum. Culmus 40—60 cm altus, trigonus, laevis, basi vaginis purpureis in fibras solutis obtectus. Folia culmo breviora, 2—3 mm lata, coriacea, rigida. Bractee inferiores foliaceae, inflorescentia breviores, superiores setaceae. Spiculae numerosae simplices vel binae axillares, superiores 1—3 staminatae, lineares, 1—3 cm longae, ceterae androgynae, 2—3 cm longae (pars staminata pistillato longiora vel a pistillatam aequans), pedunculatae, graciles, glabrae. Squamae pistillatae oblongae, apice obtusae, 3 mm longae, purpureae, dorso virides trinerviae, superne margine albo-hyalinae, Utriculi squamas superantes, longe ellipsoidei, trigoni, 3—3.5 mm longi, olivacei, nervosi, dense hirti, basi stipitata breve contracti apice in rostrum breve ore integro sensim abeuntes. Nux arcte inclusa, oblonga, trigona, 2.5 mm longa, apice in rostrum breve abrupte contracta, basi curvatim stipitata. Stylus basi aequalis, Stigmata 3.

Guangdong (广东): Yunfu (云浮), 1932-06-24, C. J. Hwang 492 (holotype, PE).

160. *Carex zhenkangensis* Wang et Täng in herb., sp. nov.

Species affinis *C. perakensi* C. B. Clarke, a qua utriculis 7—7.5 mm longis, rostro 3.5 mm longo, glabro, enervio stylo basi curvo glabro differt.

Rhizoma stoloniferum. Culmus 65—70 cm altus, triqueter, laevis, basi vaginis atro-brunneis obtectus. Folia culmum subaequantia, 7—10 mm lata, coriacea, subrigida, plana, apice acuminata, Bractee foliaceae, inflorescentia breviores, longe vaginantes, 3—3.5 mm longae. Spiculae numerosae, 3-5-nae in fasciculos 4—5 remotos dispositae, terminalis in quoque fasciculo staminata, linearis, 1.5—3 cm longa, reliquae androgynae (pars staminata brevis) cylindricae, 1.5—4.5 cm longae, laxiflorae, inaequaliter capillariter pedunculatae. Squamae pistillatae oblongo-lanceolatae, apice acuminatae, 5.8—6.5 mm longae, fulvae, margine albo-hyalinae. Utriculi squamas superantes, oblique patentés, ovato-lanceolati, 7—7.5 mm longi (rostro incluso), enervii, glabri, basi stipitati 1 mm longi, apice in rostrum ca. 3.5 mm longum, ore oblique truncatum abrupte contracti, Nux in utriculo arcta inclusa, oblonga, trigona, 2 mm longa, basi stipitata. Stylus 2.5 mm longus, basi curvus, glaber. Stigmata 3.

Yunnan (云南): Zhenkang (镇康), Snow Range on open and grassy slope, alt. 3 000 m. 1938-08-26, T. T. Yu (俞德浚) 17191 (holotype, PE).

Sect. 27 *Frigidae* Fries ex Kükenth.

165. *Carex mucronatiformis* Tang et Wang in herb., sp. nov.

Species *C. montii-everestii* Kükenth. affinis, sed a qua differt spiculis lateralibus pistillatis sessilibus, utriculis in rostrum longum abrupte contractis.

Rhizoma longe repens. Culmus 10—20 cm altus, gracilis, laevis, basi vaginis brunneis in fibras solutis obtectus. Folia culmo breviora, ca. 1 mm lata, linearia, filiformes, revoluta, viridia, subrigida. Bractee ima setaceae, haud vaginantes, superiores squamiformes. Spiculae 2—3, approximatae, terminalis staminata claviformis, 1—1.5 cm longa, pedunculo 2—3 mm longo; laterales pistillatae, spiculae apice interdum floribus staminatis paucis instructae, ovatae, 6—10 mm longae, sessiles. Squamae pistillatae oblongo-lanceolatae, ca. 4 mm longae, fulvae, margine anguste albo-hyalinae, apice mucronatae. Utriculi ovati, trigoni, 4—4.5 mm longi, superne flavo-virentes, inferne rubro-fulvi, glabri, obscure nervii, breve stipitati, apice in rostrum longum ore albo-hyalino bidentatum abrupte contracti. Nux in utriculo arcte inclusa, ovata, trigona, castanea, 2 mm longa. Stylus basi aequalis. Stigmata 3.

Qinghai (青海): Chaidamu (柴达木), alpine meadows, alt. 3 700 m 1959 - 07 - 26, Qinggan Exped. (青甘调查队) 648 (holotype, PE).

167b. **Carex coriophora** Fisch. et C. A. Mey. subsp. **langtaodianensis** S. Y. Liang, subsp. nov.

Haec subspecies a subsp. *coriophorae* differt squamis pistillatis ovato-lanceolatis, apice longe acuminatis, utriculis ovato-oblongis 5 mm longis, 2 mm latis.

Gansu (甘肃): Minxian (岷县), langtaodian (浪淘殿), weedy marshy plain, alt. 3 000 m. 1936 - 06 - 30, T. P. Wang (王作宾) 4721 (holotype, PE).

180. **Carex yajiangensis** Tang et Wang in herb., sp. nov.

Proxima *C. przewalskii* Egorova, a qua squamis pistillatis margine late albo-hyalinis, utriculis flavo-virentibus differt.

Rhizoma breve, lignosum. Culmus 40—50 cm altus, laevis, basi vaginis fulvis obtectus. Folia culmo breviora, 1—2 mm lata, plana, cinereo-viridia molliusculia, apice acuminata. Bractee foliaceae, inflorescentia breviores, haud vaginantes. Spiculae 4—7, superibus 2—3 staminatae, 1—1.2 cm longae, reliquae pistillatis, spiculae apice interdum floribus staminatis paucis instructae, cylindricae, 1—2 cm longae, 3—4 mm latae, subdensiflorae; pedunculatis 5—20 mm longis. Squamae pistillatae ovatae, apice acutae, 3—3.2 mm longae, flavae, margine late albo-hyalinae, dorso costo scabro. Utriculi squamas superantes, ovati, trigoni, 3.5—4.4 mm longi, flavo-virentes, membranacei, obsolete nervosi, hirti, basi in stipitem brevem contracti, apice in rostrum ore bidentalum sensim contracti. Nux oblonga, 2.5 mm longa, fulva, breve stipitata, ca. 0.5 mm longa. Sty-