

产于甘肃、四川;生长在海拔 3200—3600 米高山草原上。

本属在自然界中可能的杂种

海三稜蘆草(杂种) 图版 VIII, 6—10

Scirpus × **mariqueter** Tang et Wang, hybrid. nov.

具匍匐根状茎和须根。秆高 25—40 厘米,或多或少为散生,三棱形,平滑。通常有叶 2 枚,叶片短于秆,宽 2—3 毫米,稍坚硬;叶鞘长,深褐色。苞片两枚,一为秆的延长,较小穗长很多,三棱形,另一苞片小,等长或稍长于小穗,扁平,基部扩大;小穗单个,假侧生,无柄,广卵形,长 8—12 毫米,宽 5—7 毫米,具多数花;鳞片卵形,长 5—6 毫米,棕色或红棕色,背面具 1—3 条脉,中脉伸出顶端呈短尖,边缘有疏缘毛;下位刚毛 4 条,长约为小坚果的一半,全长疏生倒刺;雄蕊 3;花柱长,柱头 2,短于花柱。小坚果倒卵形或广倒卵形,平凸状,顶端近于截形,具极短的小尖,成熟时深褐色。花果期 6 月。

产于河北省(北京市)。

本杂种系 *S. planiculmis* Fr. Schmidt × *S. triqueter* Linn. 而得。秆三棱形,花序假侧生等性状属后者,而其穗大和小坚果表面细胞呈四至六角形网纹显然又属前者。

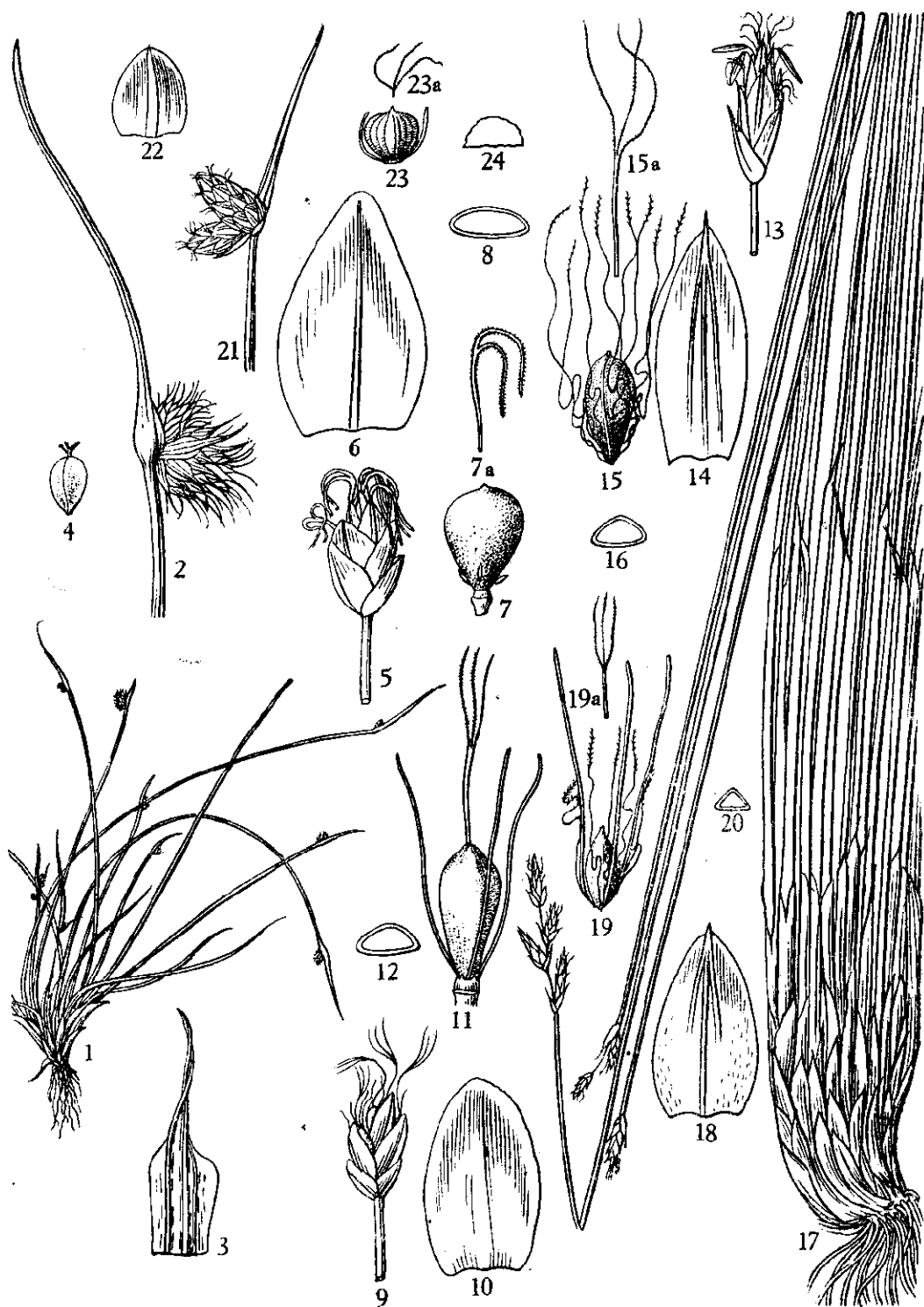
五稜蘆草(杂种) 图版 XII, 8—11

Scirpus × **trapezoideus** Koidz. in Bot. Mag. Tokyo XXXIX (1925) 26, T. Koyama in Journ. Fac. Sci. Univ. Tokyo, Sect. 3, Bot. VII (1958) 362.

丛生,具许多细长须根。秆高 50—70 厘米,直径约 2 毫米,圆柱状,平滑,基部具 2 个鞘;鞘长 3—12 厘米,初为绿色,后为绿褐色,上端开口处为斜截形,常沿干膜质部分开裂,顶端急尖或渐尖,无叶片。苞片 1 枚,为秆的延长,直立,长在 10 厘米以上,基部稍扩大,有膜质的边缘;小穗 3—7 个聚集成头状,假侧生,卵形或长圆状卵形,长 5—10 毫米,宽 3—4.5 毫米,具多数花;鳞片宽倒卵形或椭圆形,舟状,顶端急尖,膜质,长约 3.5 毫米,背面灰绿色,具 1 条明显的中肋,常延伸出顶端呈短尖,两侧棕色,具暗红棕色短条纹,具缘毛;下位刚毛 6 条,等长或稍长于小坚果,有倒刺;雄蕊 3,花药线形,长约 1.5 毫米;花柱稍短,柱头 3。小坚果广倒卵形,双凸状,长约 1.8 毫米,黑褐色,有光泽。

产于我国福建西部、台湾和广西;日本也有。

根据 T. Koyama, 本种系 *S. juncooides* Roxb. var. *ohwianus* T. Koyama × *S.*



ultra in capitum pseudolateralem congestae sessiles oblongae vel lineari-lanceolatae 7—20 mm longae 3 mm latae multiflorae. Squamae oblongae apice obtusae et apiculatae membranaceae 2 mm longae brunnescenti-striatae dorso uni- raro trinerves ciliatae tempore fructifero deciduae. Setae hypogyneae 4—6 nuce duplo-longiorae retroso-scabrae. Stamina 1—2, antherae breves ellipticae. Stylus elongatus, stigmata 2 filiformia. Nux obovata plano-convexa 1 mm longa atro-brunnea facie transversim rugosa nitida.

Hupei: Jingmen Xiàn, H. Migo, sine No. typus! 27. IX. 1940.

28. **Scirpus chen-mouii** Tang et Wang, sp. nov.

Culmi caespitosi 10—30 cm alti 1.5 mm diam teretes laeves basi 2—4-vaginati, vaginae 1—10 cm longae virides vel brunnescentes ore oblique fissae apice obtusae margine membranaceae aphyllae raro brachyphyllae. Folia setosa ad 1 cm longa. Bractea culmum continuans erecta 10—20 cm longa subteres laevis basi subdilatata et membranacea. Spiculae 2—10 vel ultra in capitum pseudolateralem congestae oblongo-ovatae vel oblongae 5—10 mm longae 3 mm latae multiflorae. Squamae obovatae vel oblongae apice acutae membranaceae 2—2.5 mm longae dorso costa media viridi apice in apiculum producta lateribus luteis brunneo-striatae ciliatae. Setae hypogyneae 6 raro 5 retroso-scabrae nucem superantes. Stamina 3. antherae breves oblongae, connectivum apice breviter productum. Stylus mediocris, stigmata 3. Nux obovata vel late obovata triquetra 1—1.2 mm longa primo lutea demum nigra facie transversim rugosa.

Yunnan: Dali Xiàn (Tali), in field, alt. 1800 m., Chen mou, No. 2560, typus! 14. IX. 1934.

30b. **Scirpus supinus** Linn. var. **densicorrugatus** Tang et Wang, var. nov.

A typo culmis humilibus 4—10 cm altis teretibus, vaginis basilaribus ciliatis, spiculis sessilibus 2—3 in fasciculam pseudo-lateralem congestis generaliter minoribus 3—6 mm longis, nucis facie densius tenuisque rugosis differt.

Sinkiang: without precise locality, R. C. Ching, No. 786, typus! 7. IX. 1956.

31. **Scirpus neochinensis** Tang et Wang, sp. nov.

Annuus. Rhizoma absens. Culmi 2—10 cm alti subteres laeves basi 1—2-vaginati, vaginae brunneae summa foliata. Folia 5—15 mm longa. Bractea culmum continuans 3—12 mm longa inflorescentiam superans. Spiculae sessiles solitariae vel binatae ellipticae vel subrotundae squarrosae 1.5—4 mm longae multiflorae. Squamae ovatae apice caudato-attenuatae membranaceae 1 mm longae stramineae viridi-striatae conspicue trinerves, nervus medius viridis lateribus luteis. Setae hypogyneae absentes. Stamina 1—(2) filamentis brevibus, antherae ellipticae. Stylus brevissimus, stigmata 3. Nux anguste obovata triquetra ad 1 mm longa lutescens.

Kwangtung: Gwangzhou (Canton), waste land, 陈少卿, No. 8160, typus! 12. XI. 1952.

Scirpus × mariqueter Tang et Wang, hybrid. nov.

Perennis. Rhizoma stoloniferum. Radix fibrosa. Culmi 25—40 cm alti sparsi triquetri laeves. Folia usque 2 culmo breviora 2—3 mm longa subrigida, vaginae longae atrobrunneae. Bractae 2 una culmum continuans spicula multilongiora triquetra una minor spiculam aequans vel eo paullo longior plana basi dilatata. Spiculae pseudolaterales sessiles late ovatae 8—12 mm longae 5—7 mm latae multiflorae. Squamae ovatae 5—6 mm longae brunneae vel

rubrobrunneae dorso 1—3-nerviae, nervus medius apice in apiculum productus marginibus laxius ciliatae. Setae hypogynae 4 nuce sesqui longiorae retroso-scabrae. Stamina 3. Stylus longus, stigmata 2 stylo breviora. Nux obovata vel late obovata plano-convexa apice subtruncata brevissime apiculata matura atrobrunnea.

Bei-jing (Peking), without precise locality, F. T. Wang, No. 20536, typus! 1929.

Scirpus × **intermedius** Tang et Wang, hybrid. nov.

Perennis. Radix fibrosa numerosa. Culmi caespitosi 50—75 cm longi 2—3 mm diam teretes laeves basi 2—3-vaginati, vaginae 1—1.5 cm longae ore oblique truncatae. Bractea culmum superans 10—18 cm longa laevis. Spiculae 3—10 in capitulum pseudolateralem congestae ovatae vel oblongo-ovatae 6—14 mm longae 3—6 mm latae multiflorae. Squamae ovatae apice acutae 4 mm longae dorso luteo-vinidi 1—3-nerviae, costa media apice in apiculum producta lateribus brunneae atro-brunneo-striatae superne ciliatae. Setae hypogynae 5 nuce breviorae retroso-scabrae. Stamina 3, antherae lineares 2 mm longae. Stylus longus, stigmata 2 filiformia. Nux late obovata vel subglobosa plano-convexa circa 2.5 mm longa lutea vel luteo-brunnea leviter rugosa.

Yunnan: Dong-chuan Xiàn (Tungchuan Hsien), growing in the margin of the lake, alt. 2300 m. H. T. Tsai, No. 51973 B, typus! 2. IX. 1932.

3. **Blysmus** Panz.

2. **Blysmus sinocompressus** Tang et Wang, sp. nov.

Perennis. Rhizoma stoloniferum 2.5—3.5 diam, squamae nigrae. Culmi sparsi compresso-triquetri sulcati infra medium foliati basi vaginati, vaginae purpureo-brunneae 5—20 (—26) cm longae. Folia plana marginibus involuta et scabra apicem versus attenuata culmo breviora 1—3.5 mm lata, ligula perbrevis alba membranacea. Bractae usque inflorescentiam superantes, bracteolae membranaceae squamiformes. Spica terminalis oblonga vel anguste oblonga 1.5—3 cm longa 6—11 mm lata. Spiculae 3—10 vel ultra distichae densae inferiores usque remotae ovato-lanceolatae ovatae vel ellipticae 5—7 mm longae 2—9-florae. Squamae subdistichae ablongae apice acutae ferrugineae membranaceae dorso 3—5-nervosae, carina viridi, 3.5—4.5 mm longae. Setae hypogynae flexuosae nuce triplo longiorae retroso-scabrae. Stamina 3, antherae oblongae apice apiculatae 3 mm longae. Stigmata 2 stylo duplo longiora. Nux obovata plano-convexa atrobrunnea 2 mm longa.

Kansu: Min Xian, sandy flat, river bed, alt. 2500 m., T. P. Wang, No. 4967, typus! 9. VII. 1936.

Blysmus sinocompressus Tang et Wang var. **nodosus** Tang et Wang, var. nov.

A typo culmis robustioribus 26—60 cm altis nodosis supra medium foliatis differt.

Hopei: Lai-yuan Xian, bords des eaux des fossés, alt. 1540 m., K. M. Liou, No. 2858, typus! 14. VII. 1934.

Blysmus sinocompressus Tang et Wang var. **tenuifolius** Tang et Wang, var. nov.

A typo culmis tenuior 1 mm diam nodosis infra medium foliatis, foliis 1 mm latis differt.

Kansu: without precise locality.