

Scirpus ehrenbergii Böcklr. in Linnaea XXXVI (1870) 712; Zinserl. in Kom. Fl. URSS. III (1935) 51, t. 4, f. 6.

具須根。稈高 1 米多，銳三稜形，稈翅狀，平滑，基部為長葉鞘所包裹。葉短于稈，寬 6—10 毫米，平滑，葉片基部折合，漸向上背面的中肋隆起呈翅狀。苞片為稈的延長，單一，直立，鈍三稜形，長達 25 厘米，較花序長十幾倍；長側枝聚繖花序簡單，假側生，具 2—5 個輻射枝；輻射枝短或極短，頂端各具 3—5 個小穗；小穗長圓形或長圓狀卵形，長 8—10 毫米，寬 2—3 毫米，具 10 余朵花；鱗片寬卵形或橢圓形，頂端微缺，膜質，長約 5 毫米，具 1 條明顯的脈，脈延伸出頂端呈短芒，沿脈兩側為棕色，邊緣黃色或白色，半透明；下位剛毛 6 條，長于小堅果，幾乎全長都生有倒刺；雄蕊 3，花藥綫形，長約 2 毫米；花柱細長，柱頭 3，短于花柱。小堅果寬卵形，平凸狀，長約 2 毫米。花果期 8—10 月。

产于我国甘肃(吳忠市)。也分布于苏联西伯利亚、中亚細亞以及欧洲。

16. 青島蘆草 图版 VIII, 1—5

Scirpus trisetosus Tang et Wang, sp. nov.

稈粗壯，高 80—120 厘米，銳三稜形，平滑，基部具鞘，鞘暗褐色或棕色，紙質或近于干膜質，有明显的橫脈。葉片缺如。苞片 1 枚，為稈的延長，常短于花序；簡單長側枝聚繖花序假側生，具 3—4 個輻射枝；輻射枝長達 4 厘米，每 1 輻射枝上具 1—5 個小穗；小穗長圓形或圓筒狀，長 10—23 厘米，寬約 4 毫米，棕色，密生許多花；鱗片排列緊密，橢圓形，頂端微缺，膜質，長約 4 毫米，黃棕色，下部有紫褐色條紋，背面有 1 條中肋，綠色，稍伸出頂端，邊緣呈嚼蝕狀；下位剛毛 3 條，少有 2 或 4 條，稍短于小堅果，全長都有倒刺；雄蕊 3，花絲扁平，花藥綫形；花柱長，柱頭 3—2 個。小堅果倒卵形或橢圓形，平凸狀，長 2.5—3 毫米，褐色，有光澤。花果期 7—10 月。

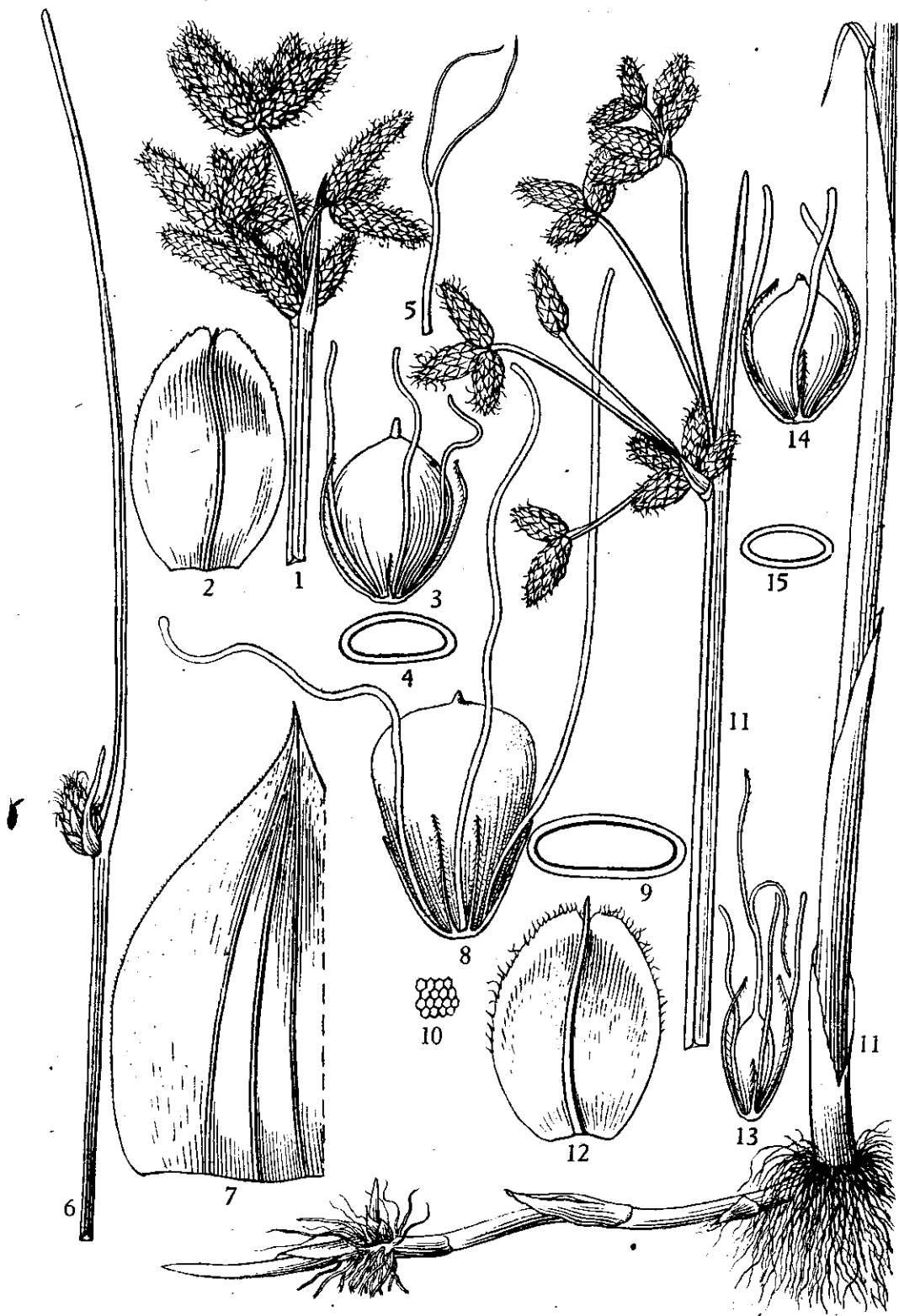
产于山东(青島)、河南；多生长在河边湿地上，海拔 200 米左右。

17. 蘆草 图版 VIII, 11—15

Scirpus triquetter Linn., Mant. I (1767) 29; Hance in Journ. Bot. VIII (1879) 16; Kom. Fl. Mansh. I (1901) 343; C. B. Clarke in Journ. Linn. Soc. Bot. XXXVI (1903) 255 et in Bull. Acad. Int. Geogr. Bot. XIV (1904) 204; Diels, Fl. Cent.-

图版 VI 1—7 碩大蘆草 *Scirpus grossus* Linn. f., 1. 植株的一部 ×1; 2. 花序 ×1; 3. 小輻射枝 ×4; 4. 鱗片 ×20; 5. 小堅果 ×20; 6. 小堅果橫切面 ×20; 7. 稈的橫切面 ×1。

图版 VII 1—4 劍苞蘆草 *Scirpus ehrenbergii* Böcklr., 1. 植株的一部 ×1; 2. 花序 ×1; 3. 鱗片 ×10; 4. 花 ×10。



1. *Scirpus* Linn.

9. *Scirpus chunianus* Tang et Wang, sp. nov.

Perennis. Culmus validus 90—150 cm altus trigonus sub inflorescentiam triqueter foliatus. Folia plana rigida culmum superantia 8—14 mm lata subtus costa media margineque scabra, vagina 5—7.5 cm longa. Bractee foliaceae inflorescentiam superantes subtus costa media margineque scabrae. Anthela composita laxa multiradiata, radii primarii validi triquetri ad 9 cm longi. Spiculae sessiles usque (2-) 3—7 in capitatum collectae ellipticae vel oblongae apice obtusae vel rotundatae 4—6 mm longae 2—3 mm latae multiflorae. Squamae triangulari-ovatae apice obtusae membranaceae brunneae atrobrunneo-striatae 5-nerviae. Setae hypogynae 2—3 nucem paullo superantes rectae albae circa ad 2/3 laxae spinuli-scabrae. Stigmata 2. Nux late elliptica vel subrotunda biconvexa 1 mm longa lutea minute verruculosa.

Hainan: Bao-ting Xiàn, in wooded valley, alt. 300 m., 侯寬昭 72001 typus! 20. IV. 1935.

Sect. 4. *Filipes* Tang et Wang, sect. nov.

Rhizoma estoloniferum. Culmi caespitiosi. Folia radicalia et caulina. Bractea una. Anthela corymbosa pauciradiata multi-spiculata, rarissime 1—pauci-spiculata. Spiculae lanceolatae brunneae. Squamae chartaceae apice acutae vel obtusae inferiores steriles. Setae hypogynae 6 nucem paullo superantes. Stigmata 3. Nux triquetra apiculata.

11b. *Scirpus filipes* C. B. Clarke var. *paucispiculatus* Tang et Wang, var. nov.

A typo culmo brevior circa 25 cm. alto, bractea culmum continuante gracile triquetro, spiculis 1—2 sessilibus pseudolateralibus differt.

Fukien: Nànping Xiàn, on rocks, Y. Ling, No. 79, typus! 25. III. 1931.

16. *Scirpus trisetosus* Tang et Wang, sp. nov.

Perennis. Culmus 80—120 cm altus triqueter laevis basi vaginatus, vaginae efoliatae fusco-brunneae vel brunneae chartaceae distincte transversim venulosae. Bractea 1 culmum continuans usque inflorescentia brevior. Anthela simplex pseudo-lateralis 3—4-radiata, radii ad 4 cm longi 1—5-spiculata, spiculae oblongae vel teretes 10—23 cm longae circa 4 mm latae brunneae dense imbricatae. Squamae ellipticae apice subrotundatae membranaceae 4 mm longae luteo-brunneae inferne purpureo-brunneo-striatae dorso costa media viridi apice paullo producta margine erosae. Setae hypogynae 3 raro 2 vel 4 nucem paullo breviorae retroso-scabrae. Stamina 3, filamenta plana, antherae lineariae; stylus elongatus, stigmata 3—2. Nux obovata plano-convexa 2.5—3 mm longa brunnea nitida.

Shantung: Qing-dao (Tsingtau), stream-side, alt. 200 m., C. Y. Chiao, No. 2992, typus! 20. VIII. 1930.

18b. *Scirpus validus* var. *laeviglumis* Tang et Wang, var. nov.

A typo squamis sine punctis ferrugineis, stigmatibus 3 differt.

Yunnan: Kai-yuan Xiàn, in rice-fields, 鍾补勤、匡可任, No. 136, typus! 23. IV. 1943.

20b. *Scirpus triangulatus* Roxb. var. *trialatus* Tang et Wang, var. nov.

A typo culmo elato valido, vaginis distincte transversim venulosis, spiculis multis in capitum collectis ovatis ovoideis vel subovatis 4—8 mm longis 3—4.5 mm latis, squamis