

三翅水毛花(变种) 图版 X, 18var. *trialatus* Tang et Wang, var. nov.

本变种与种的区别在于秆高大,很粗壮,三棱形,稜呈翅状。叶鞘上具明显的横脉。小穗多数,密集成头状,卵形、卵球形或近于球形,长4—8毫米,宽3—4.5毫米;鳞片圆盘状倒卵形,很凹。花果期5—7月。

产于云南(佛海、南嶠);生长在草地上,池塘边或沼地里,海拔1400—1750米。

台水毛花(变种)var. *tripteris* Tang et Wang, var. nov.

本变种与种的区别在于秆三棱形,稜呈翅状,秆上横脉明显。小穗数目较少,甚至在5个以下,披针形;鳞片上部边缘呈暗紫红色,具多数脉。花期8月。

产于我国台湾。

红鳞水毛花(变种)var. *sanguineus* Tang et Wang, var. nov.

本变种的特征是小穗卵形或宽卵形,长不超过7毫米;鳞片暗血红色。

产于云南;生长于海拔3100米的高山沼泽地里。

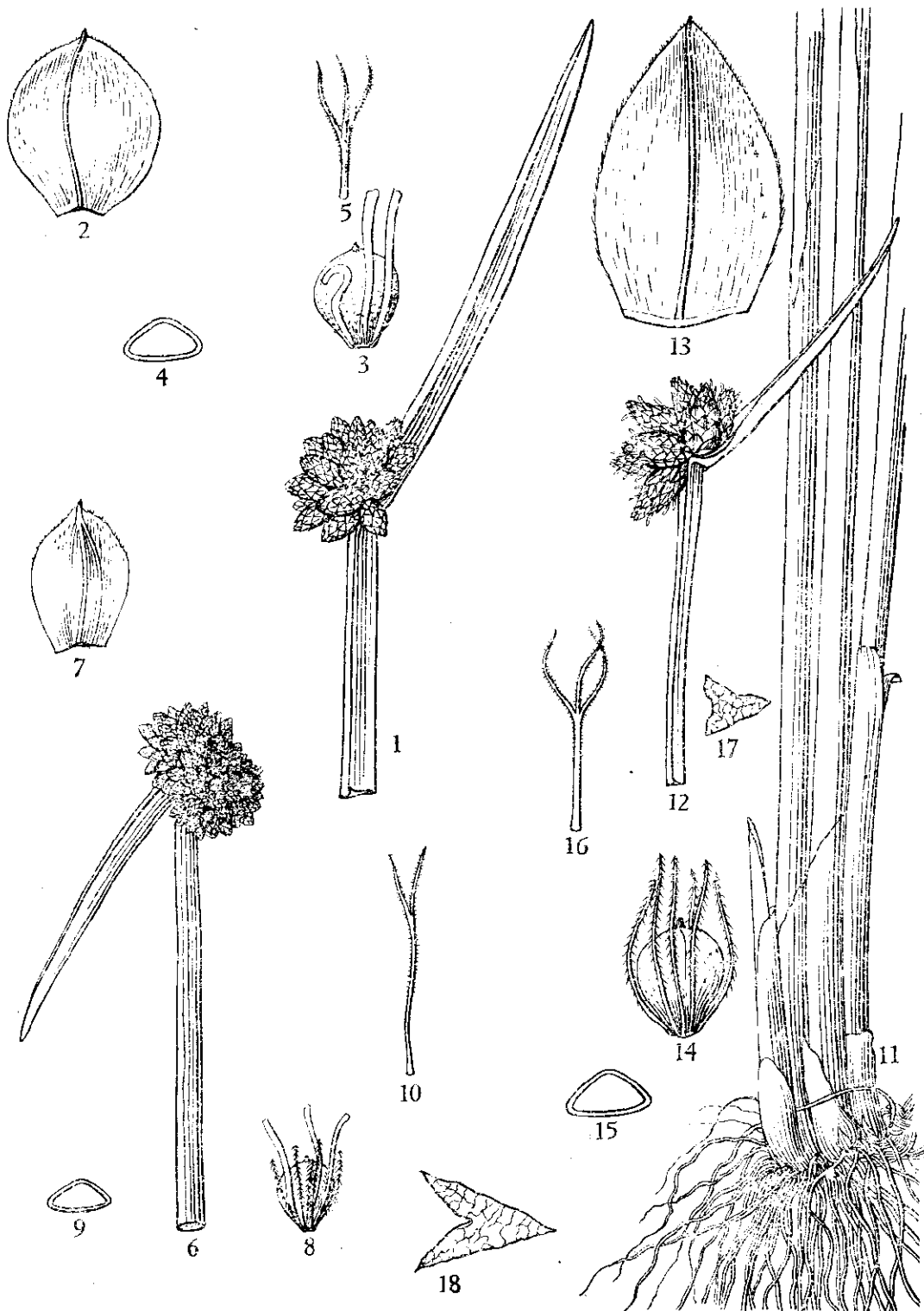
21. 曲氏蘆草 图版 X, 1—5*Scirpus chuanus* Tang et Wang, sp. nov.

根状茎短,匍匐。秆疏丛生,稍粗壮,高66—76厘米,三棱形,槽明显,平滑,基部具2—3个叶鞘,鞘顶端斜截形,边缘薄膜质,最长可达25厘米,下面叶鞘黑褐色,有隆起的横脉,上面叶鞘绿色或绿褐色,不具明显的叶片。苞片1枚,为秆的延长,直立或斜展,长5—9厘米,三棱形,平滑;小穗无柄,10余个聚集成头状,假侧生,长圆形或椭圆形,长5—10毫米,宽3—5毫米,具多数花;鳞片宽卵形,凹,顶端钝圆,纸质,边缘膜质,长约2.5—3毫米,背面中间黄绿色,两侧棕色,具暗棕色短条纹,脉多数,中肋延伸出顶端呈短尖;下位刚毛6条,约为小坚果长的1/4—1/3,无刺;雄蕊3,花药狭三角形,顶端钝,药隔突出部分稍膨大;花柱短,柱头3,细长。小坚果宽倒卵形,三棱形,长1.5—2毫米,成熟时黑色,具光泽。花果期7—8月。

产于江苏(南京栖霞山);生长于浅水中。

22. 线状匍茎蘆草 图版 XII, 20—23

图版 IX 1—5. 羽状刚毛蘆草 *Scirpus subulatus* Vahl, 1. 花序×1; 2. 小辐射枝×4; 3. 鳞片×10; 4. 小坚果×10; 5. 花柱和柱头×10。6—7. 南水葱(变种) *Scirpus validus* var. *laevigatus* Tang et Wang, 6. 鳞片×10; 7. 小坚果×10。8—13. 水葱 *Scirpus validus* Vahl, 8. 植株的一部×1; 9. 花序×1; 10. 小辐射枝×4; 11. 鳞片×10; 12. 花×10; 13. 小坚果×10。



orbiculari-obovatis valde concavis differt.

Yunnan: Nàn-qiào, grassy places, alt. 1450 m., C. W. Wang, No. 75222 typus! VI. 1936; Fo-hai, pond-side, marshy place, alt. 1750 m., C. W. Wang, No. 77411, VII. 1936.

20c. **Scirpus triangulatus** Roxb. var. **tripteris** Tang et Wang, var. nov.

A typo culmis triaratis septato-nodosis, spiculis paucis lanccolatis, squamis margine superiore fusco-rubescents multinervulosis differt.

Taiwan: Mt. Taiheizan, leg. S. Suzuki, sine No, typus! 9. VIII. 1928.

20d. **Scirpus triangulatus** Roxb. var. **sanguineus** Tang et Wang, var. nov.

A typo spiculis ovatis vel late ovatis ad 7 mm longis, squamis atropurpureo-rubescens differt.

Yunnan: Salwin-Kiukiang Divide, in mountain swamp, alt. 3100 m., T. T. Yü, No. 20314, typus! 16. IX. 1938; Gong-shan Xiàn, leg. Teng, No. 8274, 8. X. 1940.

21. **Scirpus chuanus** Tang et Wang, sp. nov.

Perennis. Rhizoma breve repens. Culmi laxe caespitosi validi 66—76 cm alti triquetri conspicue sulcati laeves basi 2—3-vaginati, vaginae oblique truncatae margine membranaceae summa ad 25 cm longa, inferiores atrobrunneae septato-nodosae, superiores virides vel viridi-brunneae obscure foliatae. Bractea culmum continuans erecta vel erecto-patens 5—9 cm longa triquetra laevis. Spiculae sessiles plus 10 in capitum collectae pseudolaterales oblongae vel ellipticae 5—10 mm longae 3—5 mm latae multiflorae. Squamae ovatae concavae apice obtusae chartaceae margine membranaceae 2.5—3 mm longae dorso luteo-virides atrobrunneo-striatae multinervulosae costa media apice in apiculum producta. Setae hypogynae 6 circa 1/4—1/3 nucis aequantes laeves. Stamina 3, antherae anguste triangulares apice obtusae, connectivum leviter dilatato-productum. Stylus brevis, stigmata 3 filiformia. Nux late obovata triquetra 1.5—2 mm longa, matura nitida.

Kiangsu: Nanking, growing in water places, K. L. Chü, No. 341, typus! 17. VIII. 1931.

23. **Scirpus fohaiensis** Tang et Wang, sp. nov.

Perennis. Rhizoma breve estoloniferum. Radix fibrosa. Culmus sparsus 60—120 cm altus 8 mm diam teres laevis basi 3—4-vaginatus, vaginae brunneae vel viridi-luteae ore oblique truncatae cum apicem acutum vel obtusum interdum setosum sine distincte limbo. Bractea culmum continuans saepius deflexa teres apice attenuata 2.5—5 cm longa. Spiculae sessiles in capitum congestae ovatae vel oblongae 4—5 mm longae 3 mm latae atrobrunneae multiflorae. Squamae obovatae vel ellipticae apice acutae vel obtusae membranaceae 2—2.5 mm longae brunnescentes atrobrunneo-striatae dorso costa media leviter producta ciliata. Setae hypogynae 5—6 nucem aequantes vel eo leviter longiorae rectoso-scabrae. Stamina 3, antherae lineares, connectivum apice productum. Stylus longus, stigmata 2. Nux late obovata vel obovata plano-convexa circa 1.2 mm longa, matura nigra nitida.

Yunnan: Fohai, in pond, alt. 1550 m., C. W. Wang, No. 73863, typus! V. 1936.

26. **Scirpus jingmenensis** Tang et Wang, sp. nov.

Perennis. Rhizoma breve. Culmi caespitosi 10—32 cm alti 2—3 mm diam teretes laeves sulcati basi 2—3-vaginati, vaginae 1.5—9 cm longae apice oblique fissae, summa usque foliata. Folium 1—1.7 cm longum tenue. Bractea subteres 13—18 cm longa interdum culmo longiora basi dilatata et margine membranacea. Spiculae 5—10 vel