

米,下部鈍三稜形,上部三稜形,粗糙,节不明显,基部具几个鐮状叶鞘,坚硬,淡棕色,具稈生叶。叶常短于稈,寬 5—6 毫米,坚挺,叶片邊緣及二面的脉上均粗糙;叶鞘极长,叶舌明显。叶状苞片 1—2 枚,长于花序,邊緣和两面均很粗糙;簡單长側枝聚繖花序頂生,具 7—12 个輻射枝,輻射枝較細,长可达 6 厘米;小穗 2—6 个簇生于輻射枝頂端,披針形,长 7—9 毫米,寬 1.5—2 毫米,褐色,具 10 多朵花,下部几个鱗片内无花;鱗片披針形、长圓形或长圓状卵形,頂端急尖或鈍,长约 4 毫米,背面具 1—3 条脉,深黄色,頂端和二側常为紅褐色;下位刚毛 6 条,稍长于小坚果,全长生有順刺;雄蕊 3,花药綫形,长约 2.5 毫米;柱头 3,具乳头状突起。小坚果倒卵形,扁三稜形,长不及鱗片的一半,黄色。花果期 3—6 月。

产于福建,为我国特有种;生长在海拔 1000 米山谷中。

少穗細柄蘆草(变种)

var. *paucispiculatus* Tang et Wang, var. nov.

植株矮小,稈高 25 厘米左右。苞片 1 枚,为稈的延长,纤细,三稜形;小穗无柄,单生或成对假側生于稈上。

产于我国福建(南平市);生长于岩石上。

組 5. 高山蘆草組 Sect. *Paniculato-corymbosi* Kükenth. in Act. Hort. Gothob. V (1930) 36.

匍匐根状茎存在。稈单生,細弱而扁。叶稈生和基生兼有。苞片叶状;枝先出叶存在,内有 1 朵两性花;长側枝聚繖花序簡單,繖房状,頂生和側生兼有,全部組成圓錐状;小穗少数至稍多数;下位刚毛 6 条,很短,无倒刺。小坚果三稜形。

12. 高山蘆草

Scirpus paniculato-corymbosus Kükenth. in Act. Hort. Gothob. V (1930) 35; M. Raymond in Nat. Canad. LXXXIV (1957) 121; T. Koyama in Journ. Fac. Sci. Univ. Tokyo, sect. 3, Bot. VII (1958) 291.

多年生草本,散生,匍匐根状茎細而短,长 3—5 厘米。稈稍細,高 18—30 厘米,无毛,基部生叶。叶短于稈,寬 4—5 毫米,扁平,背面中肋上及邊緣粗糙;叶鞘呈紅紫色。长側枝聚繖花序 3—4 个,1 个頂生,2—3 个側生,排列成圓錐状;每个长側枝聚繖花序基部均具 1 枚叶状苞片,通常具 3—4 个輻射枝;輻射枝长 1.5—4 厘米,在基部的先出叶内都有 1 朵两性花与小苞片对生;小穗单生于輻射枝頂端,近于披針形,长 7—10 毫米,寬 1.5—2.5 毫米,具 6—8 朵花;鱗片披針形,頂端漸尖,皮紙質,长(連芒在内) 5—7 毫米,背面中部綠色,具 3 条脉,中脉常延伸成芒,兩側紅紫色;下

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