

枚，长1—2厘米，主枝下部裸露，侧枝下部即着生小穗；小穗灰绿色或紫色，长3—4毫米，含2—3小花；小穗轴无毛；颖披针形至卵状披针形，顶端渐尖，脊上粗糙，具3脉，第一颖长1.5—3毫米，第二颖长2—3.5毫米；外稃长圆形，顶端尖，稍带膜质，具5脉，间脉不明显，脊与边脉基部被短毛至无毛，基盘无毛或有稀少绵毛，第一外稃长3.2—3.5毫米；内稃与外稃等长或稍短，两脊上部微粗糙；花药长1—1.5毫米。花果期7—9月。

产西藏东南部、四川西部、甘肃南部、青海、新疆。生于山坡草甸、灌丛草地或疏林河滩湿地，海拔2500—5000米。模式标本采自四川康定。

本种圆锥花序疏松，分枝下部裸露，颖片较狭，第二颖等长或稍长于第一外稃，先端渐尖至长渐尖易于识别。为一优良牧草。

189. 藓状早熟禾 (禾本科图说)

Poa schoenites Keng ex L. Liu in Addenda; 中国主要植物图说·禾本科 195, 图 147. 1959; 横断山区维管植物 2: 2197. 1994, sine latin. descr.

多年生，疏丛型。秆直立，高约70厘米，径约0.8毫米，具3—4节，顶节位于下部1/3处，紧接花序与节下粗糙。叶鞘微粗糙，顶生叶鞘长约10厘米；叶片扁平，长4—10厘米，宽约1毫米，上面粗糙，下面平滑。圆锥花序狭窄，长6—8厘米，宽约5毫米；分枝孪生，糙涩，下部裸露，顶生1—3枚小穗，基部主枝长2—4厘米；小穗草黄色，含2—3小花，长4—5毫米；颖具3脉，先端锐尖，脊上部微粗糙，第一颖长2—3毫米，第二颖长3—3.5毫米；外稃长圆形，质较硬，间脉不明显，几无膜质，脊与边脉下部1/4具短而少的柔毛，基盘有少量绵毛，第一外稃长3—3.5毫米；内稃等长于外稃，两脊微粗糙；花药长约1.5毫米。花期6—7月。

产四川东北部、甘肃、河北。生于山坡林缘、路边草地。海拔1500米左右。模式标本采自河北百花山。

190. 低山早熟禾 (新疆植物志) 图版 16: 11

Poa stepposa (Kryl.) Roshev. in Kom. Fl. URSS 2: 401, Pl. 30. fig. 6a. 1934. — *Poa attenuata* var. *stepposa* Kryl. in Fl. Altaica 7: 1856. 1914. — *Poa versicolor* subsp. *stepposa* (Kryl.) Tzvel. in Nov. Syst. Pl. Vasc. 9: 51. 1972. et in Fed. Poac. URSS; 新疆植物志 6: 110. 1996.

多年生，密丛生。秆直立，高25—50厘米，平滑，上部裸露，无叶。叶鞘粗糙；叶舌长2—3毫米；叶片窄线形，扁平成内卷，宽0.5—1.2毫米，粗糙。圆锥花序紧缩，狭窄，长约10厘米；分枝粗糙，长达4厘米，具少数小穗；小穗含3—5小花，披针形，长3—5毫米，绿色，顶端黄色，多少堇色；两颖近相等，披针形，长3—4毫米，脊上部微粗糙；外稃长3.5—4毫米，脉不明显，脉间无毛，脊与边脉下部具柔毛，基盘有少量绵毛；内稃稍短；花药长1.5—2毫米。花期6—8月。

2mm longa; laminae 3—9 cm longae, 1—2mm latae, Panícula 5—9cm longa, 0.5—2cm lata, ramis 2—5-natis, erectis, scabris, basalibus 2—4cm longis, in $1/3$ inferiore nudis; spiculae purpureae, 2—4 (—5) florae, 3.5—5.5 mm longae; rhachilla glabra; glumae acutae, 3-nerviae, glabrae, carina superne scabra, prima circ. 2mm longa, secunda 3.5 mm longa; lemmata glabra, antice anguste membranacea, carina scaberrima, nervis intermediis obscuris, callo vix lanuginoso, lemmate primo 2—3.8mm; Palea lemma aequans vel paulo brevior, carinis scaberrimis; antheae 1 mm longae.

Kansu: Siah, ad alt. 600m, montis declivitatem gramineam crescens, Z. W. Yao 582 (Typus, JSBI).

Poa pubicalyx Keng ex L. Liu, sp. nov.

Species Poae nemoralis L. affinis, sed glumis adpressi-puberulis et vagina folii summi lamina sua paulo brevior recedit.

Perennis, rhizomatis brevibus et descendens; radices fibrosae; culmi erecti, 25—38cm alti, 1—2mm crassi, 3—4 nodes, nodo supremo in loco $3/4$ inferiore culmi sito, infra paniculam scabri; vaginae leves, glabrae vel minime scaberrimae, internodiis longiores, summa 8—15cm longa; laminae sua (11—15cm longa) brevior; ligula membranacea, oblonga vel oblongo-triangularis, acuta vel obtusa vel lacerata, (2) 4—6 mm longa; laminae planae, firmiores, ad paginas ambas marginesque scabrae, 3—15cm longae, 1—2mm latae; panícula angusta, 4—13cm longa, circ. 5mm lata, ramis 2—3-natis, scabris, erectis vel leviter flexuosis, lateralibus e basi ramulos et spiculas gerentibus, basalibus 2.5—3.5 cm longis, inferne nudis, ramulis superne laxe 1—3-spiculatis; spiculae lanceolatae, glauco-viridulae et antice purpureae, saepissime 2-florae, 3—4mm longa, rhachilla laxe puberula; glumae lanceolatae, 3-nerviae, omnino praecipue ad partem superiorem nervosque marginales adpressi-puberulae, prima angustior, 3—4mm longa, secunda 4—5mm longa; lemmata oblongo-lanceolata, apice leviter membranacea, nervis intermediis distinctis, medianis in $1/3$ inferiore marginalibusque basi laxe pilosis, callo sparse lanuginoso, lemmate primo 3—3.8mm longo; palea lemmate brevior et angustior; antherae circ. 1.5mm longae.

Sichuan: sine loco definito, 1930, W. C. Cheng 1339 (Typus, JSBI).

Poa schoenites Keng ex L. Liu, sp. nov.

Species Poae sinoglaucae Ohwi valde affinis, sed differt planta altiore et culmo 3—4 nodis, spiculis majoribus, 5 mm longis, et lemmatis longioribus, 3.5mm longis recedit.

Perennis, radicibus fibrosis; culmi laxe caespitose, erecti, circ. 40 cm alti, circ. 0.7mm crassi, superne longe nudi scaberrimi, infra paniculam nodosque scabriores, 3—4 nodes, nodo supremo in loco $1/3$ inferiore culmi sito; vaginae scaberrimae, internodiis brev-

iores, summa 9—12 cm longa, lamina sua longiore; ligula membranacea, oblonga, acuta vel obtusa, in sicco lacerata, 1—3mm longa; laminae anguste lineares. planae, supra scabrae, infra leviores, 3—10cm longae, circ. 1mm latae; panícula angustior, 6.5—8cm longe, circ. 5mm lata, ramis saepissime binis, inferne nudis, apicem versus 1—3 spiculas gerentibus, basalibus 2.5—4cm longis; spiculae ad maturitatem stramineae, 3.8—5mm longae, 2—4-florae; glumae lanceolatae, acuminatae, 3-nerviae, carina superne scaberula, prima 2—3mm longa, secunda 3—3.5mm longa; lemmata oblonga, firmiora, antice fere non membranacea, nervis intermediis fere obscuris, medianis marginalibusque in $1/5$ vel $1/4$ inferiore sparse et breviter pilosis, callo tantum sparse et breviter lanuginoso, lemmatis primo 3—3.5mm longo; palea lemma aequans, carinis scaberulis; antherae circ. 1.5 mm longae, flavae.

Hebei: Puhuashan, in itinere lecta, 27 VII 1933, C. E. Wang 60224 (Typus, JSBI).

Poa sinattenuata Keng ex L. Liu, sp. nov.

Species *P. tristi* Trin. Ex Regel. affinis, sed culmis 30 cm altis et spiculis 4—4.5 mm longis a quo differt.

Gansu: Xiahe, Wang Tso-Ping 7257 (Typus, N).

Poa stenachyra Keng ex L. Liu, sp. nov.

Species *ussuriae* *P. angustiglumi* Roshev. valde affinis, sed, ex eorum per comparisonem cum descriptione originali speciei supra scriptae obtento, item differt panícula brevior angustioreque, spiculis brevioribus, pauciori-floris, lemmatum nervis mediis in $1/3$ et marginalibusque in $1/4$ inferiore tantum pilosis, laminis angustioribus, et ligulis brevioribus circ. 2mm longis.

Perennis, rhizomatis brevibus, radicibus fibrosis; culmi solitarii, erecti vel basi leviter decumbentes, 80—110cm alti, circ. 2mm crassi, leves, 2—4-nodes, nodo supremo e basi culmi circ. 20 cm remoto; vaginae leves vel scaberulae, basales exceptae internodiis breviores, summa 16.5—21cm longa, lamina sua longiore; ligula membranacea, semi-rotundata vel triangularis, superiore circ. 2mm basali 0.8—1mm longa; laminae marcidiae acutae, 9—16cm longa, 3—4mm latae, plicatae vel leviter involutae, infra leves, supra scaberulae; panícula aperta, pyramidata, 9.5—15.5cm longa, 4—8cm lata, ramis 2—4-vel raro 5-nis, tenuibus, scaberulis, horizontalibus vel pendulis, in $1/2$ vel $1/3$ inferiore nudis, basalibus usque ad 6.5—8cm longis; spiculae lanceolatae, saepissime 3-florae, 5—6mm longae, ad maturitatem stramineae et leviter purpureae; glumae angustae, lanceolatae, acuminatae, superne scaberulae, carina scaberula, prima 3—4mm longa, 1-nervi, secunda 4—5mm longa, 3-nervi; lemmata oblonga, ad apicem et margines superiores membranacea, infra apicem membranaceum leviter aeneo-colorata, nervis intermediis distinctis, medianis superne