

多年生草本。根状茎稍细长，具多数纤维状须根。开花期叶丛基部无鳞片。叶倒卵状矩圆形或倒披针形，连柄长3—12厘米，宽1—4厘米，先端钝圆，基部渐狭至阔楔形，边缘具不整齐的波状疏齿或呈浅裂状，两面均疏被小腺体，中肋稍宽，侧脉6—8对，在下面稍显著；叶柄甚短至稍长于叶片，具狭翅。花葶高2—10厘米，被微柔毛，渐变为无毛，果时高可达14厘米；伞形花序3—9花；苞片披针形至矩圆状披针形，长4—7毫米，果时长可达11毫米，先端锐尖，具明显的中肋；花梗长5—15毫米，被褐色短柄腺体；花萼钟状或窄钟状，长5—8毫米，秃净或疏被小腺体，具5脉，分裂达全长的 $\frac{1}{3}$ — $\frac{1}{2}$ ，裂片卵形至三角形，先端钝；花冠白色、红色或堇紫色，冠筒长约9.5毫米，喉部具环状附属物，冠檐直径1—2厘米，裂片倒卵形，先端2裂，小裂片全缘或微具齿；长花柱花：雄蕊着生于冠筒中部或微超过中部，花柱微露出筒口；短花柱花：雄蕊近冠筒口着生，花柱长达冠筒中部。花期3—4月，果期4—5月。

产于四川(雷波)和云南(大关)。生长于常绿阔叶林下，海拔1650米。模式标本采自云南大关成凤山。

78. 滇南脆蒴报春(新拟)

Primula wenshanensis Chen et C. M. Hu in Addenda.

多年生草本，全株无粉。根状茎稍细长，具多数纤维状须根。叶丛基部无鳞片；叶片椭圆形，倒卵状椭圆形至近圆形，长2—3.8厘米，宽1.5—2.5厘米，先端圆形，基部钝或近圆形，边缘具三角形牙齿，干时纸质，上面深绿色，下面浅绿色，中肋在下面隆起，侧脉6—9对，与中肋近成直角，两面均明显；叶柄具狭翅，通常稍短于叶片。花葶稍纤细，高5—9厘米，被小腺体；伞形花序2—7花；苞片披针形，长4—6毫米，先端锐尖；花梗长1—1.5厘米，被褐色小腺体；花萼杯状，长5—6毫米，具5脉，分裂深达全长的 $\frac{1}{3}$ ，裂片三角形，绿色，先端锐尖；花未见；蒴果球形，直径约4毫米，宿存花柱长约3毫米。果期5月。

产于云南东南部(文山)。生长于混交林下，海拔2000米。模式标本采自文山老君山。

本种与产于越南老街省黄连山沙巴的 *P. petelotii* W. W. Smith 近缘，但叶片基部钝或圆形，花萼杯状，长仅5—6毫米，分裂不达中部，可以区别。

79. 山南脆蒴报春(西藏植物志) 欢喜报春(拉汉种子植物名称)

Primula jucunda W. W. Smith in Not. Roy. Bot. Gard. Edinb. **19**: 209. 1937; W. W. Smith et Fletcher in Trans. Roy. Soc. Edinb. **61**(2): 304. 1944; 西藏植物志 **3**: 826. 1986. — *Primula jucunda* W. W. Smith var. *ponticula* W. W. Smith in l. c. **19**: 210. 1937.

多年生草本，具粗短的根茎和肉质长根。叶丛基部外围有多数鳞片；鳞片阔卵形，长3—4厘米，密被白粉。叶片阔椭圆形，长3—5厘米，宽2—3厘米，先端圆形，基部圆形至

A subsp. *kweichouensi* foliis subtus densius pilosis, margine ciliatis, petiolis tenuibus laminis 1—2-plo longioribus differt.

Guizhou (贵州): Suiyang Xian (绥阳县), Yechaba (野茶坝), on cliffs, 16 IV 1928, P. Q. Tsoong (钟补勤) 486 (holo. PE).

Primula wangii Chen et C. M. Hu, sp. nov.

Species affinis *P. Kwangtungensi* W. W. Smith, sed foliis longiuscule petiolatis basi plerumque cordatis, calycibus fere ad medium fissis, capsula cylindrica calyce longiore differt.

Yunnan (云南): Guangnan Xian (广南县), Yanzidong (燕子洞), on rocky hills, 7 III 1940, C. W. Wang et Y. Liu (王启无, 刘瑛) 87568 (holo. IBSC, iso. KUN).

Guangxi (广西): Fengshan Xian (凤山县), Yüfengdong (云风洞), L. H. Chen (陈立卿) 92269.

Sect. 11. *Petiolaris* Pax

Primula taliensis Forr. subsp. ***procera*** C. M. Hu, subsp. nov.

A subsp. *taliensi* statura majore, foliis exterioribus subtus et calycibus luteo-farinosus differt.

Yunnan (云南): Gongshan Xian (贡山县), Bilo Snow Mountain (碧罗雪山), alt. 3300 m, 5 XI 1960, Nan-Shui-Bei-Diao Exped. (南水北调队) 8381 (holo. KUN).

Primula prevernalis Chen et C. M. Hu, sp. nov.

Species persimilis *P. irregulari* Craib e Sikkime, sed calycibus ad 2/3 in lobos acuminatos fissis, staminum insertione differt.

Yunnan (云南): Yunlong Xian (云龙县), in mixed forest, 1 II 1942, C. W. Wang (王启无) 89751 (holo. KUN); eodem loco (同地), along path in Abies forest, alt. 3200 m, C. W. Wang (王启无) 90473.

Primula moupinensis Franch. subsp. ***barkamensis*** C. M. Hu, subsp. nov.

A subsp. *moupinensi* floribus majoribus ad 2.5 cm diam., foliis interioribus oblongis sub fructu basi rotundatis vel leviter cordatis, petiolis laminas usque aequantibus differt.

Sichuan (四川): Barkam Xian (马尔康县), stream side, alt. 2740—3400 m, X. Li (李馨) 70121, 70127 (holo. IBSC), 70212, 70217, 70278, 70993, 71001, 71094, 71467.

Primula wenshanensis Chen et C. M. Hu, sp. nov.

Species affinis *P. petelotii* W. W. Smith, a qua foliis basi obtusis vel subrotundatis, calycibus poculiformibus tantum 5—6 mm longis, vix ad medium fissis differt.

Yunnan (云南): Wenshan Xian (文山县), Laojunshan (老君山), alt. 2000 m, in mixed forest, 2 V 1962, K. M. Feng (冯国楫) 22284 (holo. KUN).

***Primula strumosa* Balf. f. et Cooper var. *tenuipes* C. M. Hu, var. nov.**

A var. *strumosa* foliis oblongis vel ovato-oblongis, basi obtusis vel cordatis differt.

Xizang (西藏): Gyirong Xian (吉隆县), Tuodang (托当), alt. 3800m, in *Abies* forest, 5 VII 1975, C. Y. Wu et al. (吴征镒等) 75-0608; Dingjie Xian (定结县), Riwu distr. (日屋区), alt. 3800m, on fringe of *Abies* forest, 10 VI 1975, Qinghai-Xizang Exped. (青藏队) 5688 (holo. PE).

***Primula sonchifolia* Franch. subsp. *emeiensis* C. M. Hu, subsp. nov.**

A subsp. *sonchifolia* planta efarinosa, foliis profunde pinnatisectis, lobis corollae obovato-oblongis vel ellipticis integris differt.

Sichuan (四川): Emei Shan (峨眉山), alt. 2300—3000m, in forest, K. H. Yang (杨光辉) 54321, 54433, 54456 (holo. IBSC), 55229, 55248; eodem loco (同地), C. H. Hsiung, S. S. Chang et H. L. Tsiang (熊济华, 张秀实, 蒋兴廖) 30195, 31428, 31818.

Yunnan (云南): Qiaojia Xian (巧家县), Yaoshan (药山), alpine meadow, alt. 3800 m, 15 VII 1973, B. S. Sun (孙必兴) 1046.

***Primula ovalifolia* Franch. subsp. *tardiflora* C. M. Hu, subsp. nov.**

A subsp. *ovalifolia* sub anthesi foliis annotinis nullis, hornotinis perfecte evolutis, basi attenuatis vel subito angustatis decurrentibus, subtus ad costam et nervosque pubescentibus, certerum glabris, florescentia tardiore differt.

Sichuan (四川): Emei Shan (峨眉山), alt. 2100—2400m, in forest, K. H. Yang (杨光辉) 54324, 54421 (holo. IBSC), 55168, 55259; eodem loco (同地), T. H. Hsiung, S. S. Chang et H. L. Tsiang (熊济华, 张秀实, 蒋兴廖) 30166; eodem loco (同地), W. P. Fang (方文培) 231, 14729; eodem loco (同地), S. L. Sun (孙锡麟) 1865.

***Primula tridentifera* Chen et C. M. Hu, sp. nov.**

Species valde distincta cujus affinitas est cum *P. epilosa* Craib atque *P. fagosa* Franch., a quibus floribus minoribus, calycis lobis brevioribus, apice tridenticulatis differt.

Sichuan (四川): Ebian Xian (峨边县), Yongsheng (永胜), Laocaogou (老