

## 14. 四川毛鳞菊 新种

*Chaetoseris sichuanensis* Shih, sp. nov.

A *Ch. pectiniformis* Shih, cui affinis, differt foliorum rhachidibus non pectiniformibus.

Herba perennis, radice palari. Caulis erectus, ad 80 cm altus, basi 4 mm diam., superne anguste paniculato-ramosus, ad inflorescentiam pilis multicellularibus noduliformibus capitellatis tenuibus sparsim obtectus. Folia media ambitu ovata vel elliptica, 9—11 cm longa, 6—7 cm lata, pinnatisecta vel subpinnatisecta, petiolata, petiolis 2.5—4 cm longis, anguste alatis basi leviter ampliatis, sed non auriculato-semiamplexicaulibus, lobis terminalibus elliptico-lanceolatis, 4 cm longis, 1.5 cm latis, lobis lateralibus 2—3-jugis, lanceolatis vel anguste ellipticis, 2—4.5 cm longis, 1—1.5 cm, basi late confluentibus, omnibus apice obtusis, acutis vel breviter acuminatis, utrinque viridibus, supra sparsim furfuraceo-strigosis, margine mucronulato-denticulatis; folia superiora mediis similia, sed minora; folia sub inflorescentia et furcis ramorum inflorescentiae linearia, indivisa. Calathida numerosa, in inflorescentiam paniculatam terminalem disposita. Involucrum campanulatum, 1.5 cm longum, 5 mm diam. involucri phyllis 4-seriatis, subimbricatis, exterioribus mediisque lanceolatis, 4.5—9 mm longis, 1.5 mm latis, dorso ad lineam mediam plano-squamoso-setosis, interioribus intimisque late linearibus, 1.1—1.5 cm longis, vix 1 mm latis vel ultra, extus glabris; omnibus apice obtusis vel acutis. Flosculi 17, purpureo-rosei. Achaenia oblanceolata, pallide brunnea, compressa, 6 mm longa, 2 mm lata, margine late crassa vel late tenuia, costulata, facie costulis 3—5, elevatis, distantibus, utrinque pilis pellucidis in series transversas undulatas dispositis, superne ad costulas et margines longioribus, sursum directis, inter costas et ad margines pro parte inferiore brevissimis oblecta, apice in rostrum albidum 2 mm longum producta. Pappus exterior e pilis paucis brevissimis formans; pappus interior e pilis numerosis longissimis minute denticulatis 8 mm longis efformans; omnis albus.

**Sichuan** (四川): Lixian (理县), 1952, Z. He et Z. L. Zhou (何铸与周子林) 14086 et 14015, X. Li (李馨) 46591; Kangding (康定) 1951.10.07., W. P. Fang (方文培) 1284; Anning (安宁), alt. 3640m, X. Li (李馨) 78448 (Typus, PE). **Yunnan** (云南): Deqing (德钦), alt. 3200m, 1937.10.25., T. T. Yu (俞德波) 10588.

## 15. 栉齿毛鳞菊 新种 图 1.4

*Chaetoseris pectiniformis* Shih, sp. nov.

A *Ch. sichuanensi* Shih, cui affinis, foliorum rhachidibus pectiniformibus differt.

Herba perennis, radice palari. Caulis erectus 90 cm altus, basi 5 mm diam., superne vel ex medio longe racemoso- vel racemoso-paniculato-ramosus, pilis multicellularibus noduliformibus capitellatis oblectus. Folia inferiora minora, pinnatipartita vel pinnatisecta, ambitu longe elliptica, 3.5cm longa, 1.5 cm lata, petiolis 1—1.5 cm longis; folia media inferioribus similia, sed majora, ad 10 cm longa, petiolata, petiolis 1—4 cm

longis, anguste alatis, basi auriculato-vel sagittato-semiamplexicaulibus, lobis terminalibus lanceolatis, lobis lateralibus 5—7-jugis, lanceolatis; folia superiora minora, ambitu elliptica, 3—5-pinnatifida vel -pinnatilobata; omnia utrinque ad nervos sparsim strigosa, margine mucronulato-dentata. Calathidia pauca, in inflorescentiam racemosam terminalem disposita vel solitaria, axillaria. Involucrum campanulatum 1.5 cm longum, 6 mm diam., involucri phyllis 4-seriatis, exterioribus lanceolatis, 3—5mm longis, 1—2 mm latis, mediis interioribus lanceolatis vel lineari-lanceolatis, 1.5 cm longis, 2 mm latis, omnibus apice obtusis vel acutis, dorso ad lineas medias phyllis interioribus exclusis plano-furfuraceo-setosis. Achaenia oblanceolata, compressa, atro-brunnea, 5 mm longa, 2 mm lata, margine late crassa, costulata, facie costulis 3, elevatis distantibus, utrinque pilis pellucidis in series transversas undulatas dispositis, superne ad costulas et margines longioribus, sursum directis, inter costas et ad margines pro parte inferiore brevissimis oblecta, apice in rostrum flavido-album, 3 mm longum acuta. Pappi setae exteriores e pilis paucis brevissimis constantes; pappi setae interiores e pilis numerosis longissimis minute denticulatis 7 mm longis efformatae.

**Xizang** (西藏): Nyingchi (林芝), in sylva ad angusiis, 1974.08.25., Qinghai-Xizang Exped. (青藏队) 74-1917 (Typus, PE).

#### 16. 黄花毛鳞菊

**Chaetoseris lutea** (Hand. -Mazz.) Shih, comb. nov. — *Cicerbita cyanea* var. *lutea* Hand.-Mazz., Symb. Sin. 7: 1180, 1936; S. Y. Hu in Quart. Journ. Taiwan Mus. 19 (1—2) 47, 1966.

云南: 赵致光 30673, 秦仁昌 30623, 王启无 69862, 青藏队 83-14178.

#### 17. 菱裂毛鳞菊 新种 图 1:3

**Chaetoseris rhombiformis** Shih, sp. nov.

a congeneris foliorum lobis omnibus rhombiformibus, oblique rhombiformibus vel hastato-rhombiformibus, pappi setis barbatis unica videtur.

Herba perennis, Caulis erectus 60 cm altus, basi 3 diam., superne paniculato-ramosus, ramis gracilibus glabris. Folia inferiora ambitu longe elliptica, pinnatipartita, 17 cm longa, ad 5.5 cm lata, petiolata, petiolis alatis, 5.5 cm longis, basi vaginato-ampliatis, lobis terminalibus rhombiformibus vel hastato-rhombiformibus vel triangulato-hastato-rhombiformibus, apice acutis, lobis lateralibus 8-jugis, rhombiformibus vel oblique rhombiformibus, irregulariter triangulato-hastatis, apice breviter acuminatis, basi breviter late petiolulatis vel sessilibus; folia media inferioribus similia, sed minora, petiolata, petiolis alatis, basi auriculato-semiamplexicaulibus, lobis lateralibus 5-jugis; folia superiora inferioribus mediisque similia, ambitu late triangulata vel late ovata, alato-petiolata, petiolis ad 1.5 cm latis, basi auriculato-semiamplexicaulibus, lobis terminalibus irregulariter triangulato-hastatis, lobus lateralibus 2-jugis, irregulariter triangulato-hastatis; lobis omnibus margine integris,

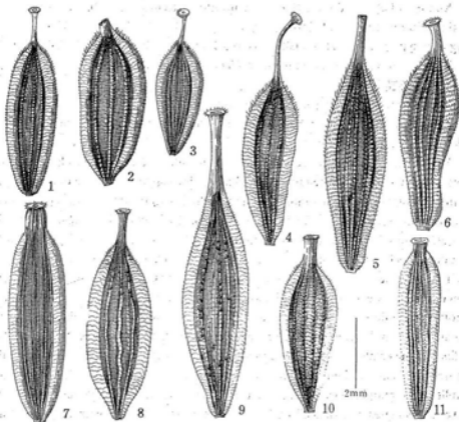


图1 毛鳞菊属与细莨苣属一些种的瘦果示意图 Achenes of some species of *Chaetosaris* and *Stenosaris* 1. 川甘毛鳞菊 *Chaetosaris roborowskii*; 2. 蓝花毛鳞菊 *Ch. cyanea*; 3. 菱裂毛鳞菊 *Ch. rhombiformis*; 4. 栉齿毛鳞菊 *Ch. pectiniformis*; 5. 光苞毛鳞菊 *Ch. leioplepis*; 6. 大花毛鳞菊 *Ch. grandiflora*; 7. 细莨苣 *Stenosaris graciliflora*; 8. 粗毛毛鳞菊 *Chaetosaris hispida*; 9. 截裂毛鳞菊 *Ch. taliensis*; 10. 滇藏毛鳞菊 *Ch. hastata*; 11. 大理细莨苣 *Stenosaris taliensis*. (王全凤绘 drawn by Wang Jin-feng)

生山坡灌丛中、林缘或林下，海拔 2900—3900m。印度北部及尼泊尔有分布。模式标本采自尼泊尔。

#### 4. 景东细莨苣 新种

*Stenosaris leptantha* Shih, sp. nov.

Species nova affinis *S. graciliflorae* (Wall. ex DC.) Shih, a qua lobis terminalibus foliorum elliptices vel lanceolatis, basi cuneatis, lobis lateralibus foliorum 1—jugis bene differt.

Herba perennis. Caulis erectus, solitarius, 50—70 cm altus, superne paniculato-ramosus, ramis gracilibus, pilis multicellularibus noduliformibus tenuibus sparse obtectis. Folia basalia ignota; folia inferiora mediaque lyrato-pinnatisecta, petiolata, petiolis 1—4 cm longis, lobis terminalibus ellipticis vel lanceolatis, 5.5—10cm longis, 3—4