

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 obiecta, 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-ampliatas, 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,

utrinque glabris. Calathidia numerosa, in inflorescentiam paniculatam terminalem disposita, inflorescentiae pedunculis et pedicellis gracilibus, glabris. Involucrum ovoideo-campanulatum, 8 mm longum, 3 mm diam., involucri phyllis 3—4-seriatis, inconspicue imbricatis, exterioribus anguste triangulatis, 1.8—2.5 mm longis, vix 1 mm latis, mediis interioribusque lanceolatis, 7—8 mm longis, 1.5—1.8 mm latis, omnibus extus glabris, apice acutis vel obtusis. Flosculi ligulati 11, flavidi. Achaenia oblanceolata, 3 mm longa, 1 mm lata, atro-brunnea, compressa, margine late crassa, costulata, costulis 4—6, elevatis, inter se distantibus, utrinque pilis pellucidis in series transversas undulatas dispositis, superne ad costulas et margines longioribus, sursum directis, inter costulas et inferne pro parte majore ad marginem brevissimis obiecta, apice in rostrum viridiusculum, 1 mm longum producta. Pappi setae exteriores e pilis paucis brevissimis constantes; pappi setae interiores e pilis numerosis, longissimis minute barbatis, 4 mm longis constantes.

Yunnan (云南): Eryuan (洱源), in frutice ad declivium, 1940.07.20., R. C. Ching (秦仁昌) 23310 (Typus, PE).

18. 云南毛鳞菊 新种

Chaetoseris yunnanensis Shih, sp. nov.

Haec species ex eis ceteris in genere foliis bis pinnatisectis unica videtur.

Herba perennis, radice palari. Caulis erectus 1 m altus vel ultra, superne paniculato-ramosus, pilis multicellularibus noduliformibus tenuibus obiectus. Folia inferiora et mediaeque ambitu elliptica, ovata vel longe elliptica, 10—15 cm longa, 7—9 cm lata, bipinnatisecta, petiolata, petiolis 3—7 cm longis, quorum basi hastato-auriculato-semiamplexicaulibus, lobis terminalibus primariis ellipticis vel lanceolatis, lobis lateralibus primariis 3—6-jugis, alternatis vel oppositis, in partibus aequimagnis, ellipticis vel longe ellipticis, lobis lateralibus se undis 1—2-jugis, triangulatis, oblique triangulatis vel grosse dentiformibus; lobis secundariis omnibus margine mucronulatis vel mucronulato-denticulatis, supra vel subtus ad nervos dense furfuraceo-strigosis; folia superiora inferioribus mediisque similia, sed diminutis; folia sub et in inflorescentia anguste linearia vel linearisubulatis, indivisa. Calathidia numerosa, in inflorescentiam paniculatam terminalem disposita, pedicellis gracilibus, 5 cm longis vel ultra. Involucrum anguste campanulatum, 1.2 cm longum, 5 mm diam., cujus phyllis 5-seriatis, exterioribus lanceolatis, 5—7 mm longis, 1—2 mm latis, mediis interioribusque lanceolatis, 1.2 cm longis, 2 mm latis, dorso ad lineas medias (phyllis intimis exclusis) plano-furfuraceo-setosis. Flosculi 20 flavidi vel albi, ligulati. Achaenia oblanceolata vel elliptica, 4 mm longa, 2 mm lata, atro-brunnea, margine late crassa, costulata, facie costulis 3, elevatis, inter se distantibus, utrinque pilis pellucidis in series transversas undulatas dispositis, superne ad costulas et margines longissimis, sursum directis, inter costulas et inferne pro parte majore ad marginem brevissimis obiecta, apice

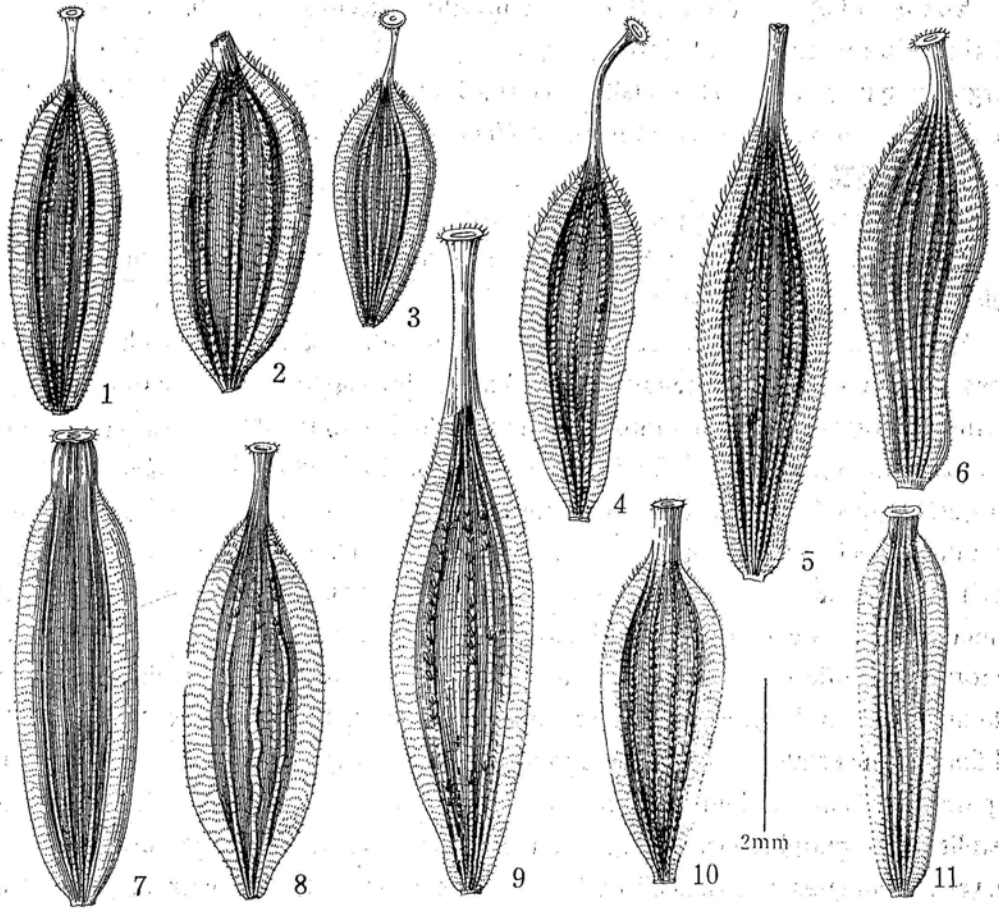


图1 毛鳞菊属与细莴苣属一些种的瘦果示意图 Achenes of some species of *Chaetoseris* and *Stenoseris* 1. 川甘毛鳞菊 *Chaetoseris roborowskii*; 2. 蓝花毛鳞菊 *Ch. cyanea*; 3. 菱裂毛鳞菊 *Ch. rhombiformis*; 4. 栉齿毛鳞菊 *Ch. pectiniformis*; 5. 光苞毛鳞菊 *Ch. leiolepis*; 6. 大花毛鳞菊 *Ch. grandiflora*; 7. 细莴苣 *Stenoseris graciliflora*; 8. 粗毛毛鳞菊 *Chaetoseris hispida*; 9. 戟裂毛鳞菊 *Ch. taliensis*; 10. 滇藏毛鳞菊 *Ch. hastata*; 11. 大理细莴苣 *Stenoseris taliensis*. (王金凤绘 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. 景东细莴苣 新种

Stenoseris leptantha Shih, sp. nov.

Species nova affinis *S. graciliflorae* (Wall. ex DC.) Shih, a qua lobis terminalibus foliorum ellipticas 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