

德波) 12649 (Typus, PE), 11866; K. M. Feng (冯国楙) 1752.

3. 光苞毛鳞菊 新种 图 1:5

Chaetoseris leirolepis Shih, sp. nov.

A *Ch. dolichophylla* Shih, cui affinis, foliorum lobis terminalibus lanceolatis vel longe ovatis, lobis lateralibus 2-jugis, petiolis basi auriculato-semiamplexicaulibus differt.

Herba perennis. Radix palaris, tenuis: Caulis erectus, 1 m altus, superne longe racemoso-ramosus, pilis multicellularibus noduliformibus tenuibus obtectus. Folia inferiora et media lyrato-pinnatilobata vel pinnatipartita, alato-petiolata, petiolis 4—7 cm longis, ad 1 cm latis, quorum basi auriculato-semiamplexicaulibus, lobis terminalibus longe ovatis vel lanceolatis, ad 8 cm longis, 2.5—4 cm latis, apice acutis vel acuminatis, lobis lateralibus 1—2-jugis, semi-orbicularibus, auriculato-ellipticis, apice rotundatis vel obtusis; folia superiora indivisa, longe elliptica vel lineari-lanceolata, sessilia; folia sub furcis ramorum inflorescentiae bracteriformia, lineari-subulata indivisa; omnia utrinque viridia, subtus ad nervos pilis multicellularibus noduliformibus oblecta, supra glabra. Calathidia pauca, 4 in numero, in inflorescentiam longe racemosam terminalem disposita, pedicellis ad 9 cm longis. Involucrum late campanulatum, 2 cm longum, 1 cm diam., cujus phyllis 4-seriatis, imbricatis, exterioribus triangulatis vel longe ovatis, 4—5 mm longis, 2 mm latis, mediis lanceolato-ellipticis vel lineari-lanceolatis, 0.8—1.4 cm longis, 2—3 mm latis, intimis late linearibus, ad 2 cm longis, 2 mm latis, omnibus apice acutis vel obtusis, dorso glabris. Flosculi ligulati 17, purpurei. Achaenia compressa, brunnea vel atro-brunnea, elliptica, 5 mm longa, 2 mm lata, margine late incrassata vel late tenuia, costulata, costulis 4—5, inter se distantibus, tenuibus, elevatis, utrinque pilis pellucidis in series transversas vix undulatas dispositis, superne ad costulas et margines longioribus, sursum directis, inter costas et pro parte inferiore ad margines brevissimis oblecta, apice in rostrum albidum 3—4 mm longum attenuata. Pappi setae exteriores ex pilis paucis brevissimis efformantes; pappi setae e pilis numerosis longissimis, minute denticulatis, 8 mm longis, fragilibus tenuibus constantes; omnes albidae.

Yunnan (云南): Jingdong (景东), in declivio, alt. 2500 m, 1956.10.25., B.Y. Qiu (邱炳云) 53115 (Typus, PE).

4. 戟裂毛鳞菊 新种 图 1:9

Chaetoseris taliensis Shih, sp. nov.

Ch. grandiflorae affinis est, foliorum lobis terminalibus hastatis vel sagittatis differt.

Herba perennis. Radix tuberculiformis, 1.5 cm crassa. Caulis solitarius, erectus, ad 50 cm altus, basi 3 mm diam., superne racemoso-ramosus, pilis multicellularibus noduliformibus tenuibus obtectus. Folia inferiora mediaque ambitu oblanceolata, runcinato-pinnatipartita vel-pinnatisecta, 10—15 cm longa, c. 6 cm lata, basin versus in petiolos alatos, 4—5 cm longos attenuata, basi leviter auriculatos vel sagittatos

attenuata, lobis terminalibus hastatis vel sagittatis, lobis lateralibus 2—3-jugis, longe ellipticis, ovatis, rhombiformiellipticis vel auriculatis, basi late confluentibus, omnibus apice acutis vel acuminatis, margine sparsim mucronulatis vel mucronulato-denticulatis, utrinque glabris; folia superiora inferioribus mediisque similia, sed minora; folia sub furcis ramorum inflorescentiae indivisa, reducta, anguste linearilanceolata. Calathidia pauca, in inflorescentiam racemosam terminalem disposita, pedicellis 2.5—3 cm longis. Involucrum late campanulatum, 2 cm longum, 1 cm diam., involucri phyllis 4-seriatis, imbricatis, extimis triangulatis, triangulato-ellipticis, 4—5 mm longis, 2 mm latis, mediis inteterioribusque lanceolatis vel lineari-lanceolatis, ad 2 cm longis, 2—3 mm latis, omnibus apice acutis vel rotundatis, dorso glabris. Flosculi ligulati 30, cyaneo-purpurei, apice 5-fidis. Achaenia sordido-brunnea, compressa, longe elliptica, margine late crassa, costulata, facie costulis 4—5, tenuibus, elevatis, inter se distantibus, utrinque pilis pellucidis in series transversas leviter undulatas dispositis, superne ad costulas et margines longioribus, sursum directis, inter costulas et inferne pro parte majore brevioribus vel brevissimis obiecta, apice in rostrum 3 mm longum, albidum attenuata. Pappus exterior e pilis brevissimis, paucis efformans; pappus interior e pilis longissimis numerosis minute denticulatis, fragilibus, 7 mm longis constans; omnis albidus.

Yunnan (云南): Dali (大理), 1928.08.09., K. K. Tsoong (钟观光) 2395, 1940.10.05.; N. T. Liou (刘慎谔) 21321; Kunming (昆明), in cacumine montis, 1946.10.04., K. M. Feng (冯国楣) 10445 (Typus, PE).

5. 缘毛毛鳞菊 大花岗岩参

Chaetoseris macrantha (C. B. Clarke) Shih, comb. nov. — *Lactuca macrantha* C. B. Clarke, Comp. Ind. 267, 1876; Hook. f., Fl. Brit. Ind. 3: 409, 1881. — *Cicerbita macrantha* (C. B. Clarke) Beauverd in Bull. Soc. Bot. Genève 2 Ser. 2: 130, 1910; Kitam. in Act. Phytotax. et Geobot. 23: 74, 1968; 西藏植物志 4: 950, 1985.

西藏: 西藏中草药普查队 1614; 西藏 74-2484, 72-1555, 钟补求 5852.

生山坡林下或灌丛中, 海拔 3250—4040m. 模式标本采自锡金地区.

6. 景东毛鳞菊 新种

Chaetoseris ciliata Shih, sp. nov.

A *Ch. grandiflora* (Franch.) Shih, cui affinis, differt foliorum lobis utrinque furfuraceo-strigosis, involucri minoribus, 8 mm in diametro, involucri phyllis margine pauciciliatis, flosculis cyaneis.

Herba ad 50 cm alta. Radix ignota. Caulis erectus, basi 5 mm in diametro, superne racemoso-ramosus, ad inflorescentiae ramos pilis multicellulatis, noduliformibus sparsim obiectus. Folia inferiora mediaque runcinato-pinnatisecta, alato-petiolata, petiolis 3—3.5 cm longis, basi auriculato-semiamplexicaulis, lobis terminalibus triangulatis, 6—8 cm longis, 3—4 cm latis, apice acuminatis, basi truncatis, lobis

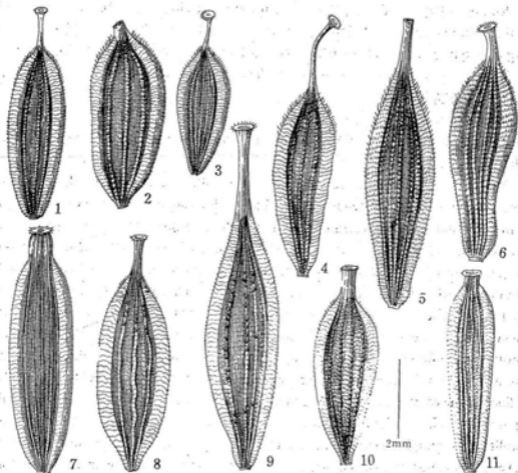


图1 毛瓣菊属与细莴苣属一些种的瘦果示意图 Achenes of some species of *Chaetosaris* and *Stenosaris* 1. 川甘毛瓣菊 *Chaetosaris roborowskii*; 2. 蓝花毛瓣菊 *Ch. cyanea*; 3. 菱裂毛瓣菊 *Ch. rhombiformis*; 4. 栉齿毛瓣菊 *Ch. pectiniformis*; 5. 光苞毛瓣菊 *Ch. leirolepis*; 6. 大花毛瓣菊 *Ch. grandiflora*; 7. 细莴苣 *Stenosaris graciliflora*; 8. 粗毛毛瓣菊 *Chaetosaris hispida*; 9. 戟裂毛瓣菊 *Ch. taliensis*; 10. 滇藏毛瓣菊 *Ch. hastata*; 11. 大理细莴苣 *Stenosaris 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

Stenosaris 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