

17. 叶二回羽状分裂,全部裂片或未回裂片长椭圆形、椭圆形或披针形.....

..... 18. 云南毛鳞菊 *Ch. yunnanensis* Shih

1. 大花毛鳞菊 大花莴苣 图 1:6

Chaetoseris grandiflora (Franch.) Shih, comb. nov. — *Lactuca grandiflora* Franch.

in Journ. de Bot. 9:260, 1895; 中国高等植物图鉴 4: 691, 图 6795, 1975. — *Cicerbita grandiflora* (Franch.) Beauverd in Bull. Soc. Bot. Geneve 2 Ser. 2: 129, 1910; Hand. —Mazz., Symb. Sin. 7: 1179, 1936; S. Y. Hu in Quart. Journ. Taiwan Mus. 19 (1—2); 48, 1966.

云南: 俞德浚 22766, 20279, 15566, 20268, 22437, 19828, 22505, 22544, 蔡希陶 59669, 58632, 秦仁昌 30979, 24053, 4053, 30582, 冯国楣 6244, 7597, 6843, 21498, 王汉臣 4472, 王启无 68626, G. Forrest 25026. 四川: 俞德浚 7555, 武素功 2067. 西藏: 程树志 00293, 陈伟烈 15094, 15097, 王启无 65355, 65898, 青藏队 74—5347, 82—10127.

生山坡林下、林缘、林缘空地及灌丛中。海拔 2800—4100m。模式标本采自云南大理。

2. 长叶毛鳞菊 新种

Chaetoseris dolichophylla Shih, sp. nov.

Ch. leiolepidi affinis, foliorum lobis terminalibus triangulatis vel longe triangulatis, lobis lateralibus 3—5-jugis et petiolis basi non auriculato-semiamplexicaulibus differt.

Herba perennis. Radix dauciformis vel tuberculiformis. Caulis erectus, solitarius, ad 50 cm altus, basi 3 mm diam., superne racemoso-ramosus, pilis multicellularibus noduliformibus capitellatis tenuibus sparsim vel densius obtectus. Folia basalia rosularia, ambitu longe oblanceolata, 10—20 cm longa, 3—4.5 cm lata, runcinato-pinnatilobata vel pinnatifida, in petiolos alatos attenuata, petiolis 4—14 cm longis, lobis terminalibus anguste triangulatis vel ellipticis, lobis lateralibus 3—5-jugis, triangulatis, oblique triangulatis, ellipticis vel semi-orbicularibus; folia inferiora mediisque basalibus similia vel spathulata, interdum indivisa, basi in petiolos alatos attenuata, petiolis 4—9 cm longis, basi leviter ampliatis, non auriculato-semi-amplexicaulibus; folia suprema subulato-lanceolata vel subulata, indivisa; omnia utrinque glabra, margine paucis triangulato-denticulata. Calathidia pauca, in inflorescentiam racemosam terminalem disposita, rarissime singularia, terminalia. Involucrum late campanulatum, 2 cm longum, 1 cm diam, involucri phyllis 5-seriatis, imbricatis, exterioribus triangulatis vel late lanceolatis, 6—9 mm longis, c. 3 mm latis, mediis lanceolatis, 1.1—2 cm longis, 3 mm latis, intimis lineari-lanceolatis, 2 cm longis, 2 mm latis, omnibus apice obtusis vel rotundatis, dorso glabris. Flosculi ligulati 21, purpureo-rosei. Achaenia immatura, brunnea, rostellata. Pappi setae exteriores ex pilis paucis brevissimis efformantes; pappi setae interiores e pilis numerosis, minute denticulatis, tenuibus, fragilibus, 6 mm longis, albidis efformatae.

Yunnan (云南): Zhongdian (中甸), in sylvis, alt. 3200 m, 1937.08.05., T. T. Yu (俞

德浚) 12649 (Typus, PE), 11866; K. M. Feng (冯国楣) 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 obsecta, 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 obsecta, 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 albae.

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 obsectus. 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