

lateralibus 1—jugis, ellipticis, apice acutis vel obtusis, basi late confluentibus; folia superiora inferioribus mediisque similia, sed minora; folia suprema et sub furcis ramorum inflorescentiae lanceolata, lineari—lanceolata vel—subulata, vel subulata, sessilia indivisa; omnia utrinque ad nervos furfuraceo—strigosa. Calathidia 5, in inflorescentiam racemosam terminalem disposita, pedicellis leviter tenuibus, ad 2 cm longis. Involucrum campanulatum, 1.5 cm longum, 8 mm diam., phyllis 4—seriatis, atro—viridibus, imbricatis, exterioribus late triangulatis vel late lanceolatis, 3—4 mm longis, 1.5—2 mm latis, margine paucio—albo—ciliatis, mediis lanceolatis vel longe lanceolatis, 0.7—1.4 cm longis, 2—2.5 mm latis, interioribus longe lineari—ellipticis, 1.6 cm longis, vix 2 mm latis, omnibus apice acutis vel obtusis. Flosculi ligulati 15, cyanei, apice 5—fidi. Achaenia immatura, rostrata. Pappi setae exteriores ex pilis paucis brevissimis efformantes; pappi setae interiores ex pilis numerosis, longissimis, minute denticulatis, 6 mm longis; omnes albidae.

Yunnan (云南): Jingdong (景东), in declivio, alt. 2850 m, 1956.11.11., B. Y. Qiu (邱炳云) 53618 (Typus, PE).

7. 滇藏毛鳞菊 图 1:10

Chaetoseris hastata (Wall. ex DC.) Shih, comb. nov. — *Chondrilla hastata* Wall., Num. List. no 381, 1828 nom. nud. — *Lactuca hastata* Wall. ex DC. Prodr. 7: 139, 1838; C. B. Clarke, Comp. Ind. 267, 1876, p. p.; Hook. f. Fl. Brit. Ind. 3: 407, 1882, p. p.; S. Y. Hu in Quart. Journ. Taiwan Mus. 20 (1—2): 21, 1967, p. p.

西藏: 钟补求 5520. 云南: 邱炳云 53619, 毛品—01656, 刘慎谔 20946, G. Forrest 13401. 合模式标本采自尼泊尔。

8. 蓝花毛鳞菊 图 1:2

Chaetoseris cyanea (D. Don) Shih, comb. nov. — *Sonchus cyaneus* D. Don, Prodr. Fl. Nepal 164, 1825. — *Mulgedium cyaneum* (D. Don) DC. et *M. robustum* Wall. ex DC., Prodr. 7: 249 et 250, 1938. — *Lactuca hastata* Wall. ex DC. var. *glandulifera* Franch. in Journ. de Bot. 9: 261, 1895. — *Cicerbita cyanea* (D. Don) Beauverd in Bull. Soc. Bot. Geneve 2 ser. 2: 132, 1910; Hand.—Mazz., Symb. Sin. 7: 1180, 1936; 西藏植物志 4: 953, 1985, p.p.

四川: 熊济华与周子林 93988, 93453, 93666. 贵州: 钟补勤 1830. 西藏: 倪志诚 2216.

生山坡灌丛中, 海拔 1800—2800m. 原种标本采自尼泊尔地区。

9. 大头毛鳞菊 新种

Chaetoseris macrocephala Shih, sp. nov.

— *Cicerbita cyanea* auct. non (D. Don) Beauverd: 西藏植物志 4: 953, 1985, p. p.

A *Ch. macrantha* (C. B. Clarke) Shih, cui affinis, involucri phyllis margine non setoso—ciliatis differt.

Herba perennis, radice palari. Caulis erectus, 50—100 cm altus, basi 7 mm diam.,

superne paniculato-ramosus, ramis crassiusculis, pilis multicellularibus noduliformibus capitellatis tenuibus sparsim vel densius obtectis. Folia inferiora mediaque lyrato-pinnatisecta, alato-petiolata, petiolis 5—10 cm longis, petiolis basi ampliatis, lobis terminalibus ovato-hastatis, ad 9 cm longis, ad 6 cm latis, apice acutis, lobis lateralibus 2-jugis, ellipticis, basi late confluentibus, apice acutis; folia superiora inferioribus mediisque similia vel indivisa, breviter petiolata, petiolis basi auriculato-semiamplexicaulibus, lobis terminalibus longe ellipticis vel ovato-triangularis; folia sub et in inflorescentia lanceolata vel longe lineari-elliptica, longe lineari-lanceolata; omnia margine dentata vel denticulata, utrinque ad nervos furfuraceo-strigosa. Calathidia numerosa, in inflorescentiam corymboso-paniculatam vel paniculatam disposita. Involucrum late campanulatum, 2 cm longum, 1 cm in diam., involucri phyllis 5-seriatis, exterioribus triangularis vel lanceolatis, 5—8 mm longis, 2—3 mm latis, mediis lanceolatis, 1—1.4 cm longis, 2—3 mm latis, interioribus ad 2.1 cm longis, 1 mm latis, omnibus apice acutis, ad lineas medias albido-plano-setosis. Flosculi ligulati 40 vel ultra, purpureo-rosei, ligulis apice 5-fidis. Achaenia oblanceolata, 5 mm longa, 2 mm lata, compressa, atro-brunnea, margine late crassa vel tenuia, utrinque costulata, facie costulis 3, elevatis, distantibus, utrinque pilis pellucidis in series transversas leviter undulatas dispositis, superne ad costulas et margines longioribus, sursum directis, inter costas et pro parte inferiore ad margines brevissimis obsecta, apice in rostrum albidum attenuata. Pappi setae exteriores e pilis brevissimis, paucis efformantes; pappi setae interiores e pilis longissimis, numerosis, minute denticulatis gracilibus 7 mm longis formantes.

Xizang (西藏): Gyaca (加查), in sylvis ad declivium, alt. 3300—3500 m, 1972.09.01., Xizang Exped. Pl. Med. (西藏中草药队) 72-4567, 72-4388; Cona (错那), ad marginem sylvae, Qinhai-xizang Exped. (青藏队) 75-1899; Nyalam (聂拉木), in frutice, alt. 3300 m, 1972.08.29., Xizang Exped. Pl. Med. (西藏中草药队) 1607 (Typus, PE); loco dicto (同地), in pratis declivii, alt. 3900 m, 1981.09.08., Zh. Ch. Ni (倪志诚) 2091.

10. 大头叶毛鳞菊 新种

Chaetosaris lyriformis Shih, sp. nov.

—*Cicerbita cyanea* auct. non (D. Don) Beauverd; 西藏植物志 4: 953, 1985.p.p.

A *Ch. hastiformi* Shih differt ad inflorescentiam pilis multicellularibus noduliformibus tenuibus inconspicuis.

Herba perennis, radice palari, obconica, 1.5 cm in diam. Caulis erectus, 1 m altus, superne anguste paniculato-ramosus, ramis omnino pilis multicellularibus noduliformibus capitellatis obsectis. Folia inferiora mediaque lyrato-pinnatisecta, petiolata, petiolis exalatis, 3—7 cm longis, lobis terminalibus late triangulari-hastatis, ovatis, triangularis, 6—8 cm longis, 4.5—6 cm latis, apice acutis vel acuminatis, lobis