

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 obtecta, 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 obtectus. Folia inferiora mediaque runcinato-pinnatisecta, alato-petiolata, petiolis 3—3.5 cm longis, basi auriculato-semiamplexicaulibus, lobis terminalibus triangulatis, 6—8 cm longis, 3—4 cm latis, apice acuminatis, basi truncatis, lobis

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 paucis-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, 刘慎涛 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.,