

8308; Tianquan (天全), W. P. Fan (方文培) 37755, 10167, 10167, 34356; Emei Shan (峨眉山), T. N. Liou (刘慎谔) 1076; Xiangling Shan (相岭山), alt. 2500 m, 17 VIII 1938, T. P. Wang (王作宾) 8806。

Guangdong (广东): Lechang (乐昌), W. T. Tsang 20729; Ruyuan (乳源), L. Deng (邓良) 5522。

与黑花紫菊 *N. melanantha* (Franch.) Shih 相似, 但本种叶柄无翼, 容易区别。

6. 云南紫菊 新种 图版 3:1

Notoseris yunnanensis Shih, sp. nov.

A *N. rhombiformis* Shih. cui affinis, planta glabra et pappi setis albis bene differt.

Planta herbacea, altitudo ignota. Caulis superna panicuto-ramosus, glaber. Folia media lyrato-pinnatisecta, lobis terminalibus rhombiformibus, 13 cm longis, 8 cm latis, apice acuminatis, basi cuneatis, lobis lateralibus 2-jugis, in paribus aequimagnis, 2—7 cm longis, 1—2.5 cm latis, apice obtusis, basi truncatis vel oblique truncatis, late confluentibus, omnibus margine obscure sparse mucronulato-denticulatis, utrinque glabris. Calathidia numerosa, ad ramos et caulem inflorescentiam paniculatam amplam formantia. Involucrum campanulatum, 1.2 cm longum, 3 mm in diametro, phyllis 3-seriatis, externis lineari-lanceolatis, 4 mm longis, vix 1 mm latis, mediis longe ellipticis, 6 mm longis, 1 mm latis, internis longe ellipticis, 1—1.2 cm longis, 2 mm latis, omnibus apice obtusis, glabris, rufo-purpureis. Flosculi 4 in numero, ligulati, rufo-purpurei. Achaenia rufo-purpurea, anguste oblanceolata, dorsi-ventraliter compressa, 5 mm longa, 1 mm lata, apice truncata, non rostrata, costulata, facie costulis 6 in numero, inaequicrassis, prominentibus. Pappi setae 2-seriatae, albae, 7 mm longae, obscure minute scabrae.

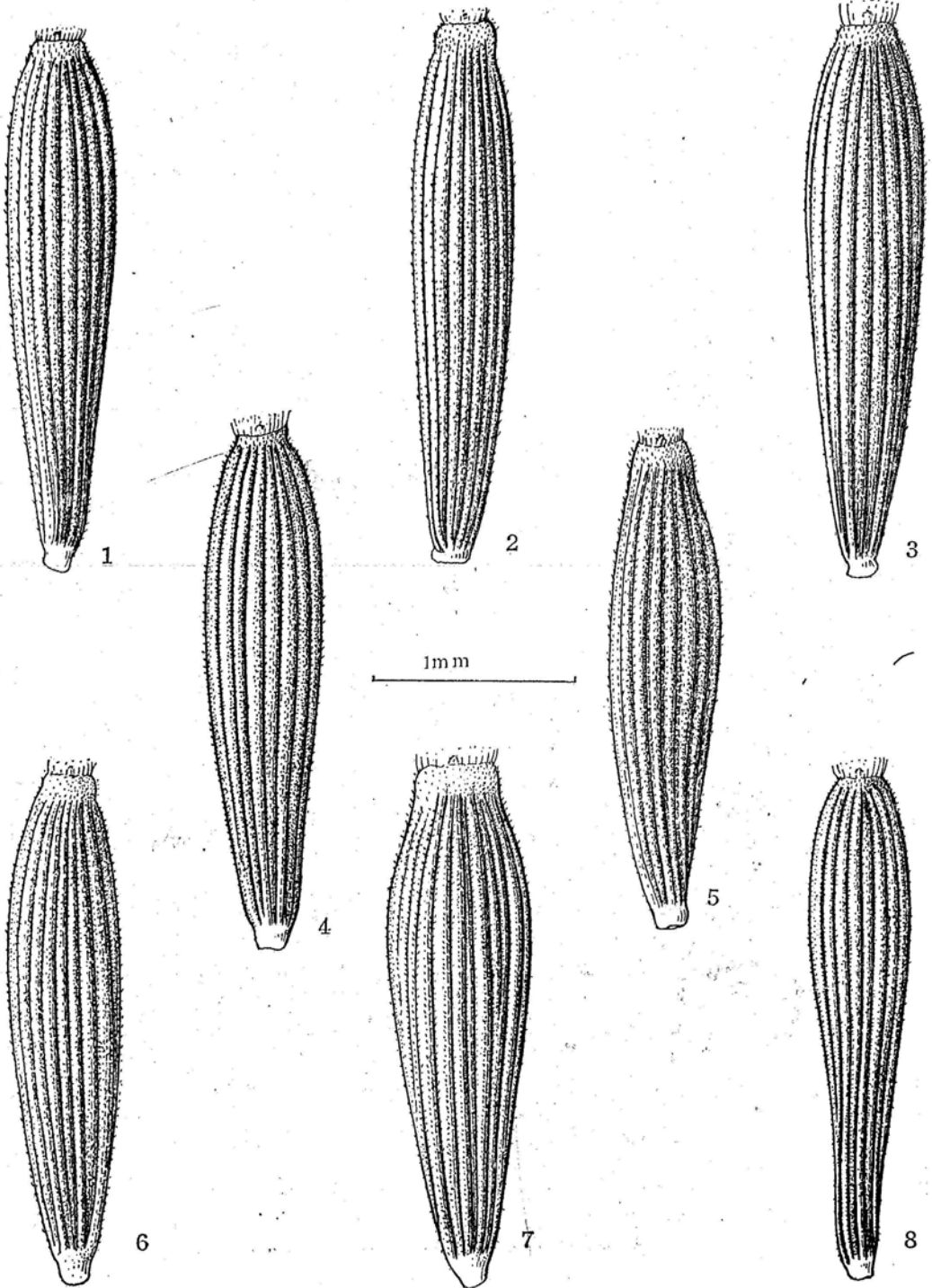
Yunnan (云南): Yanshan (砚山), in sylva, alt. 1200 m, 27 X 1939, Q. W. Wang (王启无) 84744 (Typus, PE).

本种以植株光滑无毛, 冠毛白色与菱叶紫菊 *N. rhombiformis* Shih 相区别。

7. 菱叶紫菊 新种 图版 2:1; 3:5

Notoseris rhombiformis Shih. sp. nov.

Herba perennis. Caulis erectus, solitarius, 0.8—1 m altus, basi 8 mm in diametro, superne paniculato-ramosus, omnino puberulus. Folia inferiora mediaque lyrato-pinnatisecta, petiolata, petiolis 8.5—13 cm longis, lobis terminalibus rhombiformibus vel rhombiforme ellipticis, 6—10 cm longis, 3—7.5 cm latis, apice acutis vel acuminatis, basi cuneatis, lobis lateralibus 2-jugis, in paribus aequamagnis, 3—5 cm longis, 2—3 cm latis, apice acutis vel breve acuminatis, basi cuneatis vel truncatis, late confluentibus, omnibus margine denticulatis vel obtuse repando-vel rotundato-denticulatis, apice dentium apiculato; folia superiora et folia sub inflorescentia paniculata indivisa, longe elliptica vel linearia, 2—5 cm longa, 0.2—1.5 cm lata, brevissime petiolata vel vix petiolata, margine denticulata; omnia utrinque aspera, strigosiuscula. Calathidia numerosa, ad ramos et caulem inflorescentiam paniculatam ampla vel anguste formantia, cernua, erecta vel inclinata. Involucrum campanu-



紫菊属一些种的瘦果示意 Achenes of some species of *Notoseris* Shih 1. 云南紫菊 *N. yunnanensis* Shih; 2. 黑花紫菊 *N. metanantha* (Franch.) Shih; 3. 光苞紫菊 *N. psilolepis* Shih; 4. 全叶紫菊 *N. guizhouensis* Shih; 5. 菱叶紫菊 *N. rhombiformis* Shih; 6. 多裂紫菊 *N. henryi* (Dunn) Shih; 7. 南川紫菊 *N. porpyreolepis* Shih; 8. 细梗紫菊 *N. gracilipes* Shih. (冀朝祉绘画 drawn by Ji Chao-zhen)