



图5 天山还阳参。(蔡淑琴绘)
Fig. 5 *Crepis tianshanica* Shih.

apice acutis vel obtusis. Calathidia majora, 2 in numero, cymoso-disposita. Involucrum campanulatum, 1.2 cm longum, nigrum, cujus phyllis 4-seriatis, extremis exterisque brevibus vel brevioribus, longe elliptico-lanceolatis, usque ad 7 mm longis, 1.2 mm latis, apice acutis, internis intimisque lanceolatis vel longe elliptico-lanceolatis, 1.2 cm longis, 2.5 mm latis, intus glabris, omnibus extus sparsim albo-sericeis, secus costas medias nigro-multicellulari-hirsutis. Flosculi numerosi, flavi, ligulati. Achaenia immatura. Pappus albus.

Xinjiang (新疆): Tianshan Mt. (天山), Daniu He (大牛河), in declivitate, alt.

2600 m, 1947-07-23, K. C. Kuan (关克俭) 2212 (Typus, PE).

12 全叶还阳参 新种 图 3:2

***Crepis integrifolia* Shih, sp. nov.**

Herba perennis, rhizomate prostrato. Caulis erectus, solitarius, superne corymbosoramosus, infra medium glaber, superne et sub calathidiis glandulis capitatis stipitatis obtectus. Folia basalia minora, lanceolata (?), longe petiolata; folia media inferioraque lanceolata vel oblanceolata, 3.5—5 cm longa, 1—2 cm lata, apice rotundata vel acuta, mucronulata, sessilia, basi auriculato-amplexicaulia, margine integra vel subintegra; folia superiora minora, lanceolata; ea ad furcas ramorum inflorescentiae minima, subulata; omnia utrinque glabra. Calathidia 3—4 in numero, ad apicem caulis et ramorum inflorescentiam corymbosam formantia. Involucrum campanulatum, 1 cm longum, cujus phyllis 3—4-seriatis, extremis externisque lanceolatis 3 mm longis, 0.8 mm latis, intimis externisque longe lanceolatis, longe elliptico-lanceolatis, usque ad 1 cm longis, 1 mm latis, intus glabris, omnibus apice acutis, extus nigro-viridibus, secus costas medias glandulis capitatis stipitatis nigris. Flosculi numerosi, flavi, ligulati, tubis pubescentibus. Achaenia fusiformia 5 mm longa, apice truncata, erostrata, costis 15 aequalibus. pappus albus, 6 mm longus.

Xinjiang (新疆): Alta Prefecture (阿勒太地区), Karamayin (克拉玛因) alt. 1370 m, 1987-08-20, K. Y. Lang et F. Konta (郎楷永与近田文弘) 159 (Typus, PE).

13 峨眉厚喙菊 新种

***Dubyaea emeiensis* Shih, sp. nov.**

Herba perennis, rhizomate crasso, radices graciles edente. Caulis erectus, solitarius, 13 cm latus, infra medium purpureus, glaber, supra medium vel superne pallide viridis, dense

longe brunneo-hispidus, apice agglomerato-corymboso-ramosus, ramis aequilongis. Folia inferiora mediaeque alternata, longe oblanceolato-elliptica, longe elliptica vel elliptica, 5—9 cm longa, 2—3 cm lata, apice acuta vel acuminata, basi in petiolos 1.5—2.5 cm longos purpureos cuneato-angustata, vel sessilia; ea superiora subopposita, lanceolata, 5—6 cm longa, basi rotundata vel late cuneata, sessilia; ea ad furcas pedunculorum minima, lanceolata vel late linearia, sessilia, apice longe vel breviter acuminata; omnia textura crassiuscula, margine serrata, utrinque glabra, laevia, subtus valde purpurea. Calathidia 7 in numero, agglomerato-corymboso-disposita, pedunculis aequilongis, crassiusculis, hispidis. Flosculi ligulati, 24 in numero. Involucrum nigro-viride, anguste campanulatum, 1.3 cm longum, cujus phyllis 3—4-seriatis, imbricatis, seriem anteriorem versus longioribus; extremis triangularibus, 4.5 mm longis, 1.2 mm latis, apice acutis, intimis longe ellipticis, 1.3 cm longis, 2 mm latis, apice obtusis vel rotundatis, omnibus dorso ad costas medias longe hispidis, sed seriem anteriorem versus sparsim vel fere glabris. Achaenia brunnea, clavata, leviter dorsi-ventraliter compressa, 5 mm longa, costis 14, inaequicrassa, erostrata. Pappi setae 2-seriata, leviter flavae; 7 mm longae, serrulatae.

Sichuan (四川) Emei Mt. (峨眉山), 1952-07-27, X. P. Jiang (蒋兴麟) 31803 (Typus, PE).

Species insignis calathidis agglomerato-dispositis, pedunculis fere aequilongis, crassiusculis, a speciebus ceteris sinensibus bene distincta.

14 戟叶假福王草 新种 · 图 6

Paraprenanthes hastata Shih, sp. nov.

Herba perennis. Caulis solitarius, erectus, 80 cm altus, superne paniculato-ramosus, ramis gracilibus, omnino villis multicellularibus noduliformibus obtectus, sed superne densius. Folia inferiora hastata, 12 cm longa, 5—7 cm lata, apice acuminata, margine irregulariter repando-crenata vel-crenulata vel obscure crenulata, solummodo repanda, petiolata, petiolis 9 cm longis; ea media triangulata, triangulato-hastata vel lanceolata, 11—13 cm longa, 3—5 cm lata, alato-petiolata, petiolis 2—5 cm longis, margine repando-crenata, apicibus crenae mucronulatis vel margine inferne latere 1-sinuata; ea superiora lanceolata, margine obscure apiculata, apice longe acuminata, petiolata, petiolis 0.5—2 cm longis; omnia textura tenuia, utrinque glabra. Calathidia numerosa, in apicem caulis et ramorum inflorescentiam paniculatam formantia. Flosculi 12 in numero, purpurei, ligulati. Involucrum anguste cylindricum, 7 mm longum, cujus phyllis 4-seriatis, extremis externisque brevissimis, lanceolatis, usque ad 4 mm longis, 1 mm latis, intimis internisque longissimis, longe ellipticis, 8.5 mm longis, 1 mm latis; omnibus apice obtusis. Pappus albus 5.5 mm longus, scabrellus. Achaenia immatura.

Sichuan (四川): Chongqing (重庆), Beipei (北碚), Jinyun Mt. (缙云山), 1992-06-15, C. X. Yang (杨昌熙) 3934 (Typus, PE).

Ex affinitate *P. sylvicolae* Shih, ab ea differt caule pedunculisque villis multicellularibus