

## Compositae Novae Nepalenses

Siro KITAMURA

北村四郎：ネパールのキク科植物の新種

**Artemisia** (*Abrotanum*) **tukuchaensis** KITAMURA sp. nov.

Caulis ultra 2.4 m altus erectus striatus modeste tomentosus, superne ramosus, ramis gracilibus ascendentibus, dense tomentosus. Folia caulina media ampla 11–12 cm longa, basi cuneata, pinnatifida, laciniis 1–2 jugis oblongis acutis parce dentatis, supra viridia, pilis minutis brunneis crispis puberula, subtus pallida sparse araneosa, sub lente glandulosa. Capitula magna ad ramos racemosim disposita saepe pedunculata, globosa 5 mm lata in sicco. Involucris squamae triseriales, exteriores ovatae vel anguste ovatae, mediae breviores vel aequilongae, dorso virides, mediae et intimae oblongae apice rotundatae vel obtusae, margine membranaceae rubropurpurascens vel flavo-brunnescentes. Flores radii foeminei fertiles, corolla angusta 2 mm longa. Flores disci hermaphroditi fertiles, corolla 2.5 mm longa, styli rami apice truncati penicillati. Receptaculum concavum nudum.

Typus, Central Nepal: Tukucha, Kali Gandaki, amongst thick herbaceous growth, Alt. 3150 m, 26 Aug. 1954 STAINTON, SYKES & WILLIAMS 7465 (BM).

West Nepal: Danfe Lekh, Alt. 3657 m, 11 Oct. 1975 T. B. SHRESTHA & N. P. MANANDHAR (BM). Talkot-Dhuli-Nayaodar, 22–23 Jul. 1976 H. TABATA, Keshab R. RAJBHANDARI et Kazumi TSUCHIYA 9146 (KYO). Godileh, Bajhang District, 13 Aug. 1976 H. TABATA, Keshab R. RAJBHANDARI et Kazumi TSUCHIYA 2388 (KYO).

**Cicerbita nepalensis** KITAMURA sp. nov.

Species affinis *C. cyanaea* a qua involucris angustioribus et foliis late amplexicaulibus divergit.

Rhizoma perenne. Planta tota glanduloso-pilosa. Caulis erectus vel ascendens purpurascens densiuscule glanduloso-pilosus, basi 3–5 mm in diametro, ramosus, ramis gracilibus ascendentibus. Folia caulina inferiora 8–13 cm longa, lyrato-pinnatifida, lobo terminali magno cordato, lobis lateralibus parvis interdum obsoletis instructa, basi amplexicaulia margine cartilagineo-denticulata, utrinque plus minus glanduloso-pilosa. Folia caulina media panduliformia apice acuta basi late amplexicaulia 3–7 cm longa. Folia caulina superiora sursum depauperata oblongo-lanceolata, suprema bracteiformia ovata. Capitula numerosa anguste vel late paniculatim disposita, sub anthesi cernua,

graciliter pedunculata, pedunculis 4-10 mm longis dense glanduloso-pilosis. Involucrum cylindricum purpurascens 12-14 mm longum 3 mm latum, squamae imbricatae, dorso secus costam glanduloso-pilosae, exteriores ovatae vel oblongae 2-3 mm longae, apice obtusae, interiores lineares apice obtusae. Flores 3-6, corolla 13 mm longa, ligula caerulea 7 mm longa 1.5 mm lata, tubo apice dense piloso. Stylus 16 mm longus, apice bifidus, ramis 1 mm longis. Antherae caeruleae 4.5 mm longae basi breviter sagittatae, lobis obtusis erosis. Achenia 5 mm longa rostrata, rostro 1 mm longo, corpore oblonga compressa, facie 3-striata, superne minute hirsuta. Pappus candidus, biserialis, setis exterioribus brevissimis (0.1-0.2 mm), interioribus gracilibus subaequilongis 7-8 mm longis scabris.

Typus, Central Nepal: Tukucha, Kali Gandaki, Alt. 3000 m, on open grass slopes, 21 Aug. 1954 STANTON, SYKES & WILLIAMS 7837 (BM).

Central Nepal: near Lumsum, on dry south facing slope, Alt. 2250 m, 17 Jul. 1954 STANTON, SYKES & WILLIAMS 3512 (BM). Ghasa, S. of Tukucha, Kali Gandaki, beneath shrubs, Alt. 2250 m, 5 Jul. 1954 STANTON, SYKES & WILLIAMS 1576 (BM).

**Saussurea** (Sect. *Saussurea*, Subsect. *Cyathidium*) **Dhwojii** KITAMURA sp. nov.

Perennis. Caulis erectus simplex monocephalus, 35 cm altus circ. 5 mm in diametro, angulato-striatus sparse arachnoideus purpurascens, collo basibus foliorum fibrosis obtectus. Folia caulina pauca, media obovato-oblonga 19 cm longa 7 cm lata apice acuta basi sensim angustata, sessilia, ad caulem anguste decurrentia, margine runcinato-pinnatiloba, lobis apiculato-denticulatis, pagina supra viridia, sub lente sparse pilosa, subtus dense araneo-tomentosa, folia superiora 2, ovata apice acuta basi abrupte late cuneato-angustata ad caulem breviter alato-decurrentia, 10-11 cm longa, 6-7 cm lata, margine irregulariter lobato-dentata, dentibus apiculatis. Capitulum solitarium basi folio summo suffultum, 3.5 cm longum 5 cm latum in sicco. Involucrum 2.6 cm longum 4 cm latum in sicco, squamae 4-seriales, omnes lineari-lanceolatae purpurascens, exteriores breviores 2 cm longae dorso unicostatae sparse arachnoideae apice acutae margine integrae, interiores apice acuminatae integrae. Corolla 23 mm longa, parte angusta 12-13 mm longa, lobis 4, 6 mm longis patentibus. Pappus 15 mm longus, brunnescens, biserialis, setis exterioribus brevioribus barbellatis, setis interioribus plumosis. Achenia immatura 5 mm longa 1 mm lata glabra, longitudinaliter striata. Receptaculum dense setosum, setis 6-8 mm longis.

Typus, Nepal, Pongsing, Alt. 4500 m 1929 Lall DHWOJ 126 (BM).

**Saussurea** (Sect. *Spicatae*) **spicata** LUDLOW ex KITAMURA sp. nov.

Herba perennis. Radix perpendicularis elongata, collo basibus foliorum persistentibus fibrosis dense squamato. Caulis simplex erectus 25-35 cm altus superne leviter incrassatus, 20-25 mm latus in sicco, dense foliatus. Folia inferiora oblanceolata circ. 15 cm longa 2.5 cm lata, apice obtusa basi in petiolum sensim angustata margine grosse sinuato-dentata, dentibus apice mucronulatis, pagina supra sub lente glanduloso-araneosa,