

scorbiculatum.

Hab. Afghanistan: Pulikhumri to Haibak (June 27, 1955 S. KITAMURA). Typus in Herb. Univ. Kyoto.

Cicerbita scoparia (RECHINGER f. et KÖIE) KITAMURA comb. nov. *Lactuca scoparia* RECH. f. et KÖIE, Symb. Afgh. II: 211, Fig. 146 (1955).

Hab. Afghanistan: From Syiagird to Charikar (Jul. 11, 1955 S. KITAMURA), from Bulola to Duab (June 25, 1955 S. K.).

A very robust plant growing in dry slope. Leaves scanty.

Cicerbita nuristanica KITAMURA sp. nov.

Radix perennis fusiformis perpendicularis ramosa, collo valide fibrosa. Caulis erectus 85-110 cm altus 4.5-6 mm diametro viridis striatus glaber inferne simplex. superne racemosim ramosus, ramis floriferis ante anthesin pendulis glabrescentibus sparse glandulosis. Folia radicalia sub anthesi emarcida, caulina inferiora longe petiolata, lamina ovata basi cordato-hastata apice acuminata 11-22 cm longa 8-12 cm lata margine irregulariter dentato-lobata vel trilobata, dentibus obtusis mucronulatis, supra viridia subtus glauca utrinque sparse crispato-pilosa, textura tenuia, petiolo circ. 10 cm longo exalato vel laciniis 1-2, ovatis 1.5-3 cm longis instructo, sparse crispato-piloso. Folia caulina superiora sursum gradatim minora et breviter petiolata, basi cordato-hastata vel truncato-hastata apice caudato-acuminata alato-petiolata margine obtuse dentata mucronulata. Inflorescentia duplicato-racemosa, bracteis lanceolatis 7-17 mm longis, bracteolis ovato-lanceolatis 2.5 mm longis glabratis vel interdum glandulosis. Involucrum cylindricum 11 mm longum medio 2.5 mm latum, squamae paucae imbricatae glauco-virides glabratae interdum sparsim glandulosae vel glanduloso-pilosae, extimae ovato-oblongae 3 mm. longae apice obtusae, mediae oblongae 6 mm longae anguste albo-marginatae apice obtusae sub lente ciliolatae, intimae 11 mm longae oblongo-lanceolatae. Flosculi 3-4, corollae tubo superne dense piloso. Receptaculum nudum. Pappus 5 mm longus sordide albus, duplex, setis exterioribus minutis, interioribus elongatis gracilibus minute scabris.

Species *C. Aitchisoniana* affinis a qua caulibus glabratis, foliis hastatis glabratis distinguenda.

Hab. Afghanistan: Nuristan, Pushki circ. 2280 m (Aug. 8, 1955 S. KITAMURA) Typus in Herb. Univ. Kyoto.

The writer found a large association of this species under tall trees. Unfortunately, it was just before the anthesis of this species. This species is situated between *C. rapunculoides* and *C. Aitchisonii*.

Cicerbita unicastata KITAMURA sp. nov.

Species *C. macrorrhiza* affinis a qua capitulis minoribus acheniis unicastatis differt.

Perennis collo incrassato lignescente. Caulis caespitosus ascendens 35-40 cm. altus 1.5-2 mm diametro, glanduloso-pilosus ramosus, ramis ascendentibus. Folia