

CENTAUREA IBERICA, Trevir.; Boiss. Fl. Or. iii. p. 690.

Hari-rud valley: 605, June 5, 1885. Common in cultivated ground near villages.

CARTHAMUS TINCTORIUS, Linn.; Boiss. Fl. Or. iii. p. 709.

Khorasan: 792, August 23, 1885. Native name *Kajura*. Cultivated in Afghanistan as well as Khorasan for the dye-stuff obtained from the flowers.

CARTHAMUS OXYACANTHA, Bieb.; Boiss. Fl. Or. iii. p. 709.

Hari-rud valley: 589, June 3, 1885; Khorasan, June 21, 1885. Very common.

CICHORIUM INTYBUS, Linn.; Boiss. Fl. Or. iii. p. 715.

Khorasan: 697, June 21, 1885. Native name *Kashni*. In loamy soil common everywhere; also cultivated in gardens as a pot-herb.

KOELPINIA LINEARIS, Pallas; Boiss. Fl. Or. iii. p. 721.

Hari-rud valley: 282, April 19, 21, 26, 1885. Very common amongst boulders in gravelly soil.

RHAGADIOLUS HEDYPNOIS, Fisch. et Mey.—*Garhadiolus Hedypnois*, Jaub. et Spach; Boiss. Fl. Or. iii. p. 723.

Badghis: 363, May 1, 1885.

HETERACIA SZOVITSII, Fisch.; Boiss. Fl. Or. iii. p. 724.

Hari-rud valley: 426, May 10, 1885; Badghis: May 20, 1885. Common in stony soil.

CREPIS STOCKSIANA, Aitch. & Hemsl.—*Heteroderis Stocksiana*, Boiss. Fl. Or. iii. p. 794.

Hari-rud valley: 324, April 26, 1885, May 9, 10, 28, 1885; 602, June 5, 1885; Khorasan: June 21, 1885. In loamy soil near the roots of shrubs.

PTEROTHECA FALCONERI, Hook. fil. Flora British India, iii. p. 399.

Hari-rud valley: 293, April 21, 1885, May 10, 1885. Abundant, in gravelly soil, on low hills.

TARAXACUM OFFICINALE, Web.; Boiss. Fl. Or. iii. p. 787.

Badghis: 110, January 20, 1885; Hari-rud valley: April 2, 1885. Generally distributed, wherever there is moist soil, over the whole country.

LACTUCA LONGIROSTRA, Aitch. et Hemsl., n. sp. *Herba* annua, undique fere glabra vel glabrescens, a basi ramosa, 3–6 poll. alta. *Folia* radicalia rosulata, obovato-spathulata, $\frac{3}{4}$ –2 poll. longa, irregulariter dentata vel plus minus lobulata, simul denticulata, supra glabra, subtus pilis longis albis parce instructa; folia caulina subnulla vel parva, amplexicaulia. *Capitula* numerosa, circiter 10-flora, 6–8 lineas longa; involucri bracteae 10–12, extimae minimae, calyculatae, intimae lineares, vix acutae. *Achaenia* pallida, obovato-oblonga, valde compressa, medio leviter 1-costata, transversim striatula, margine incrassata, obscure muriculata; pappus breviter exsertus, brevis, longirostratus; rostrum quam achaeium fere triplo longius.

Hari-rud valley : 416, May 10, 1885. This is near *L. undulata*, Ledeb., and also to *L. canescens*. Winkler writes "*Lactuca* nova species a *L. undulata*, Ledeb., cui proxima, foliis cuneatis subtus pilis parvis scabris differt. *L. canescens*, Regel et Schmalh., foliis involucri phyllisque scabris (ut species nova) foliorumque forma et habitu persimilis, differt achæniis muricato-scabris, rostro triplo brevior." "

An annual, from three to four inches in height, with numerous copper-coloured basal leaves and a large loose corymbose inflorescence.

LACTUCA ORIENTALIS, Boiss. Fl. Or. iii. p. 819.

Northern Baluchistan : 52, Oct. 9, 1884 ; Hari-rud valley : July 30, 1885 ; Khorasan : August 27, 1885. A characteristic shrub of the dry, arid, stony regions, from Baluchistan to the Hari-rud and Persia. Its branches so densely interlace that it forms a hard prickly ball.

LACTUCA SCARIOLOA, Linn. ; Boiss. Fl. Or. iii. p. 809.

Khorasan : 699, June 21, 1885. Common in cultivated soil, and in hedges near villages.

LACTUCA PERSICA, Boiss. Fl. Or. iii. p. 806.

Badghis : 366, 466, May 1, 14, 1885. A very handsome-flowered species ; would be worth cultivating. It was in some quantity near the Nihal-sheni Pass.

SONCHUS ASPER, Vill. ; Boiss. Fl. Or. iii. p. 796.

Hari-rud valley : 455, May 12, 1885. Common.

MICRORHYNCHUS NUDICAULIS, Less.—*Zollikoferia nudicaulis*, Boiss. Fl. Or. iii. p. 824.

Hari-rud valley : 726, July 27, 1885.

MICRORHYNCHUS SPINOSUS, Benth. & Hook. f., forma.—*Zollikoferia spinosa*, Boiss. Fl. Or. iii. p. 826 ; Aitch. in Trans. Pharmac. Soc. Lond. vol. xvii. (1887), p. 468.

Hari-rud valley : 723, July 26, 27, 1885. This is the same plant as 3373, and ⁷¹⁵/₈₈₃ Griffith's Journal, and the same form as our plant is in the Herbarium at Kew from Persia, the Egyptian desert, and Syria. It differs from typical *M. spinosus* in its lateral capitula being on short scaly peduncles. Native name *Chirkah*. This and *Lactuca orientalis* are extremely characteristic of the arid gravelly tracts of the whole country, and form spinous balls, those of the present plant being larger and much laxer. *M. spinosus* yields a resinous exudation, which is collected for adulterating true *Anzerut*. This when freshly gathered has a most horrible odour like decaying animal matter.

TRAGOPOGON COLORATUM, C. A. Mey. ; Boiss. Fl. Or. iii. p. 746 (varietates).

Hari-rud valley : 325, April 26, 1885 ; Badghis : 1073, May 1, 4, 20, 1885. Profuse in sandy loam ; flowers purple.

Native name *Gash-goshi*.