

China :—N.W. Yunnan, near Atuntsi.

The description is based on plants grown from seed obtained by F. Kingdon Ward. These flowered in July 1912 at the nurseries of Bees Limited, Sealand, near Chester, and also in the Royal Botanic Garden, Edinburgh.

COMPOSITAE.

Cremanthodium bupleurifolium, W. W. Sm. Sp. nov.

Species affinis *Cremanthodio plantagineo*, Maxim. sed caule gracili glabriore, capitulo minore fere glabro, pappo deficiente, inter alia facile distinguenda.

Planta unicaulis, 18–35 cm. alta, basi fibris multis erectis circ. 4 cm. longis induta. Caulis suberectus flexuosus, debilis, striatus, inferne glaber, superne minute tomentosus, capitulo solitario terminatus. Folia radicalia 3–4, petiolata ad 2 cm., oblanceolata vel subelliptica, 2–5 cm. longa, circ. 1–5 cm. lata, apice subobtusa, basi cuneata, subintegra, chartacea, glabra penninervia; folia caulina 2–3, eis *Bupleuri Candollii* similia, 4–5.5 cm. longa, circ. 1.5 cm. lata, oblonga, apice rotundata vel obtusa, basi angustata amplexicaulia, subintegra, glabra. Capitulum in sicco 3–4 cm. diametro, cernuum; involucri phylla circ. 1 cm. longa, lanceolata vel ovato-lanceolata, acuta, glabra vel fere glabra, ligulae circ. 1.5 cm. longae, lineari-lanceolatae, 5-nerviae luteae; achaenia immatura glabra; pappus nullus.

“China :—N.W. Yunnan, at Atuntsi, at an elevation of 14,000–15,000 ft. in alpine grassland. July 1911.” F. Kingdon Ward. No. 75.

Lactuca Forrestii, W. W. Sm. Sp. nov.

Species *Lactucæ grandifloræ*, Franch. affinis; capitulis minoribus multo angustioribus, involucri phyllis valde diversis facile distinguenda.

Planta 30–75 cm. alta, erecta, robusta. Caulis 4–10 mm. diamet., infra simplex, in regione inflorescentiae ramosus, teres, in parte inferiore glaber, purpureo-maculatus et -striatus, superne pedunculique setoso-glandulosi. Folia radicalia petiolo ad 10 cm. longo valido praedita, 15–25 cm. longa, 5–10 cm. lata, runcinata, lobis grosse rotundatis indurato-dentatis, lobo terminali triangulari subacuto, glabra, subtus glaucescentia, nervis eminentibus; folia caulina sessilia, ad 15 cm. longa, ad 5 cm. lata, runcinata, auriculis rotundatis dentatis amplexicaulia, supra sparsissime pilosula, infra glabra glaucescentia. Rami floriferi (praeter supremos) numerosi axillares, saepe foliis inferioribus orti, 3–6-cephali, praesertim ad

apicem setoso-glandulosi; inflorescentia terminalis copiosa ramulis fere rectangulo abeuntibus, foliis reductis ovatis vel lanceolatis praedita. Capitula ovato-oblonga, 2 cm. longa vel ultra, basi 6-8 mm. lata, cernua, circ. 10-flora; involucri phylla 3-seriata, lineari-lanceolata, acuta vel acuminata, purpureo-viridia, setoso-carinata, exteriora subreflexa, circ. 1 cm. longa, interiora erecta, circ. 2 cm. longa, 3 mm. lata; ligulae coeruleae involucri multo superantes, 5-dentatae, tubo extus glabro; ovarium oblongum, valde compressum, faciebus 3-5-costatum, glabrum, in rostrum albidum gracile attenuatum, pappo albido fragili praeditum.

"Plant of 1-2½ ft. Flowers blue. On rocks and ledges of cliffs on the eastern flank of the Lichiang Range. Lat. 27° 30' N. Alt. 10,000 ft. September 1910." G. Forrest. No. 6703.

Also flowered in the Royal Botanic Garden, Edinburgh, in September 1912.

Lactuca funebris, W. W. Sm. Sp. nov.

Species e grege *Scariolarum*; foliis atroviridibus, capitulis saepe apice glomeratis more *Cardui palustris*, floribus albido-caeruleis vel albidis conspicua.

Herba 30-120 cm. alta, erecta, in schedâ simplex (sed culta a basi ad apicem ramis erectis ramosa) succo lacteo praedita, radicibus fasciculatis fusiformibus. Caulis robustus, .5-2 cm. diamet. vel ultra, subteres, basi glabrescens, medio sparse, apice dense rufo-tomentellus, purpureo-striatus atque -maculatus; ramuli similes, apice bene foliati. Folia infima et mediana subsimilia, alterna, crebra, petiolo 10-15 cm. longo, anguste alato, praedita; lamina 9-12 cm. longa, 7-9 cm. lata, ambitu irregulariter et late triangularia, varie 3-5-loba vel -fida, lobis oblongis serratis, serraturis apiculatis, supra atro-viridia, nigro-pilosula, nervis immersis, infra pallidiora, sparsius pilosula vel subglabra, nervis eminentibus; folia superiora minus divisa, saepe fere integra, obovata vel oblanceolata, vel lanceolata vel lineari-lanceolata, acuta vel acuminata. Inflorescentiae numerosae caulem et ramulos terminantes et cymas breves axillares formantes; capitula 5-20-aggregata, pedunculis brevissimis rufo-pilosulis praedita, circ. 1.5 cm. longa, circ. 7 mm. lata, 20-30-flora; involucri cylindrici phylla exteriora lanceolata, 5-8 mm. longa, carinâ albo-setosulâ praedita, interiora lineari-lanceolata, 1 cm. longa vel ultra, subglabra, omnia arcte imbricata; receptaculum planum nudum. Corollae circ. 5 mm. exserta, sordide albida vel pallido-caerulea. Ovarum ovoideum, compressum, glabrum, apice in rostrum breve productum, pappo albo praeditum.

"Plant of 1-2 ft. Flowers pale blue. Ledges of cliffs and humus covered boulders on the eastern flank of the Lichiang