

it is nearer to *L. glandulifera* and *L. paradoxæ*, from which it differs conspicuously in its larger involucre with more numerous florets, much longer corollas and anthers, and stiffer pappus setae.

***Lactuca attenuata* Stebbins** sp. nov. (Plate VIII, fig. f-j).

Habitu ad *L. stipulatam* similis; folia anguste lanceolata, 6-11 cm. longa et 0.8-1.2 cm. lata, ad apicem longe attenuata, pinnatifida, vel superiora integra, margine dentata, sessilia, ad basim auriculata, ad rachidem et venas infra hirsuta. *Capitula* ad anthesin 8.5-12 mm., ad maturitatem 11.5-13.5 mm. longa; phylla imbricata, lanceolata, interiora acuta, exteriora obtusa, ad apicem sparse setosa; floscula 5, lutea (ex note collectoris); corollae 12-19 mm. longae, tubo ad apicem hirsuto; antherae 4-4.5 mm. longae; rami stigmatis 2.2 mm. longi. *Achaenia* 4-4.5 mm. longa, valde obcompressa, rostro crasso 0.5-0.8 mm. longo; pappi setae 7-8.5 mm. longae, niveae, fragiles.

In habit similar to *L. stipulata*; leaves narrowly lanceolate long-attenuate at the apex, 6-11 cm. long and 0.8-1.2 cm. broad, pinnatifid with 1-2 pairs of reflexed, deltoid lobes, the uppermost entire, the margins mucronate-dentate, the base sessile and auriculate-clasping, the midrib and veins setose-pubescent beneath; inflorescence paniculate, the lower branches subtended by lanceolate-linear, entire, sessile leaves, the upper by ovate-lanceolate acute bracts; peduncles slender and flexuous. *Heads* at anthesis 8.5-12 mm. long, 11.5-13.5 mm. at maturity; involucre bracts imbricate, the inner 5, acute, lanceolate, the outer obtuse and more or less lanceolate-deltoid, all sparsely setose on the midrib with crisped trichomes, those on the inner bracts mostly toward the apex; florets 5; corollas yellow, 12-19 mm. long, the tube hirsute at the apex, somewhat exceeded by the ligule; anther tube 4-4.5 mm. long; style branches 2.2 mm. long. *Achenes* 4-4.5 mm. long, reddish brown, strongly flattened and 8-10-alate, the two lateral wings more prominent, minutely scabrous, abruptly contracted to the short (0.5-0.8 mm.) beak; pappus setae 7-8.5 mm. long, white, slender and fragile as in *L. glandulifera*.

Explanation of Plate VIII.

a-e, *Lactuca stipulata* Stebbins from type: a, leaf ($\times 1/2$); b, inflorescence ($\times 1/2$); c, flowering head ($\times 2$); d, achene (immature, $\times 6$); e, corolla ($\times 3$); — f-j, *L. attenuata* Stebbins: f, leaf ($\times 1/2$); g, inflorescence ($\times 1/2$); h, flowering involucre ($\times 2$), all from the type; i, achene ($\times 6$), from Humbert 7742; j, corolla ($\times 3$), from type. — k-o, *L. semibarbata* Stebbins, from type (magnifications as in the preceding).

BELGIAN CONGO : Ruwenzori, Valley of the Nyamwamba, *Ericetum*, alt. 2,895 m., *Lebrun* 4523 (Type, Br.) ; mountains to the West of lake Kivu, alt. 2,000-2,200 m., *Humbert* 7742 (Br.).

Observation. — This species resembles *L. stipulata* in its leaves, except that these are much narrower, and are pinnatifid and sessile rather than entire and petiolate. Its inflorescence is more elongate and with slenderer peduncles, and the heads are considerably smaller. The achene is more nearly like those of *L. paradoxa* and *L. glandulifera*, although it differs in its much shorter beak. From the last two species, *L. attenuata* also differs considerably in leaf shape, and in the glandless setae on its involucre. The specimen from West of Lake Kivu differs from the type in its somewhat thicker, coarser leaves and its smaller involucre and corolla, but is otherwise similar.

***Lactuca semibarbata* Stebbins sp. nov.** (Plate VIII, fig. k-o).

Caulis scandens, 1-2 mm. crassus, setosus vel glabratus, eglandulosus, ad apicem glaber; folia lanceolata, media 8-11 cm. longa et 1.5-2.3 cm. lata, petiola ad basim alata auriculataque auriculis acuminatis, folia ad apicem acuminata vel attenuata, subtus trichomis eglandulosis dense vestita, pinnatifida cum 1-2 paribus segmentis, segmenta reflexa; folia in inflorescentia gradatim reducta sed saepissime pinnatifida vel sinuato-lobata. *Inflorescentia* paniculata, rami glabri bracteis minutis 1-2.5 mm. longis muniti; capitula anguste cylindrica, 4-5-flora, ad anthesin 9-10 mm., ad fructificationem 13 mm. longa; phylla imbricata, lanceolato-elliptica, ad apicem obtusa et 1-5 setis elongatis eglandulosis vulgo munita, aliter glabra; corollae (ex note collectoris) flavae, 12-13 mm. longae; antherae 4 mm. longae, pallide flavae; rami stigmatis nigrescentes, 2 mm. longi. *Achaenia* cum rostro 5 mm. longa, flavo-rufescentia, compressa, undique 4-5-costata, costis alatis, minute scabridulis, rostrum 1 mm. longum; pappi setae albae, 7 mm. longae.

Stems climbing, 1-2 mm. thick, setose with glandless setae, glabrous on the upper portion; leaves lanceolate in outline, the middle ones 8-11 cm. long, 1.5-2.3 cm. broad, the petioles wing-margined and auriculate at the base, the auricles acuminate, the terminal segment acuminate or attenuate at the apex, densely covered on the under side with glandless trichomes, pinnatifid with 1-3, mostly 2 pairs of reflexed segments; upper leaves gradually reduced toward the inflorescence, but usually pinnatifid or at least lobed. *Inflorescence* paniculate; involucre narrowly cylindric, 4-5-flowered,

