

## LACTUCA L.

*Lactuca stipulata* Stebbins sp. nov. (Plate VIII, fig. a-e).

*Caulis* scandens, 1.5-2 mm. crassa, glabra; folia anguste sagittata vel subhastata, 5-9 cm. longa, ad basim 1.5-3 cm. lata, apice longe attenuata, remote dentata, dentis reflexis, mucronatis, rhachis et venae infra hirsutae, petioli tenues 1.5-3 cm. longi, sparse setosi, ad basim stipulis auriculatis muniti. *Inflorescentia* paniculata, cernua, pedunculi bracteati; involucra ad anthesin 11.5-14 mm., ad maturitatem 15-17 mm. longa, phylla imbricata, lanceolato-elliptica vel exteriora deltoidea, obtusa, glabra; floscula 5-8, lutea (ex note collectoris); corollae 18-20 mm. longae; tuba ad apicem hirsuta; antherae 4 mm. longae; rami stigmatis ca. 3 mm. longi. *Achaenia* (immatura) 5 mm. longa, leviter compressa, inaequaliter ca. 10-costata, breviter rostrata, rostro ca. 0.6 mm. longo, crasso; pappi setae albae, rigidae, 7 mm. longae.

*Stems* climbing, 1.5-2 mm. thick, glabrous; leaves narrowly sagittate or subhastate, long-attenuate at the apex, strongly and unequally dentate, the teeth mucronate, reflexed, the rhachis and veins setose-pubescent beneath; petioles slender, 1.5-3 cm. long, sparsely setose, bearing at the base a pair of auricular or stipular appendages, these varying considerably in size and shape at the different nodes. *Inflorescence* nodding, paniculate, its lower branches subtended by somewhat reduced leaves, the upper nodes and the peduncles bearing ovate, acute bracts 1.5-3.5 mm. long; heads at anthesis 11.5-14 mm., at maturity 15-17 mm. long; the bracts imbricate, lanceolate-elliptic or the outer deltoid, obtuse; florets 5-8, yellow; corollas 18-20 mm. long, the tube slightly shorter than the ligule, hirsute at the apex with somewhat blackish trichomes; anther tube 4 mm. long; style branches ca. 3 mm. long. *Achenes* (immature) 5 mm. long; slightly compressed, unequally about 10-ribbed, the ribs broad and blunt, not scabrous, attenuate to the short (ca. 0.6 mm. long) and stout beak; pappus bristles white, stiff, 7 mm. long.

## Explanation of Plate VII.

Stigmas, with magnified details of barbs and « collecting hairs » and pappus setae (weakest and strongest) of : a, b, *Prenanthes scandens* Hook. f.; c, d, *P. subpeltata* Stebbins; e, f, *Lactuca glandulifera* Hook f. (Stigmas  $\times 25$ , enlarged details and pappus setae  $\times 100$ ).

BELGIAN CONGO : Volcano Karisimbi, south slopes, alt. ca. 3000 m., *de Witte* 2264 (Type, Br.) ; between the volcanoes Sabinyo and Ngahinga, alt. ca. 2200-2600 m., *Humbert* 8648 (part, Br.).

*Observations.* — 1. — This species is strikingly different from all of the other described species of *Lactuca* of this group in its slender-petioled leaves with the auriculate bases forming stipular appendages. The leaf shape is similar to that of the terminal lobe of *L. attenuata*, but broader and less strongly attenuate. Furthermore, the involucre and florets are considerably larger than in the other species, and the achene is less strongly compressed, and has a shorter, stouter beak. In the coarser pappus bristles and less strongly compressed achenes it is transitional toward *Prenanthes*. The Humbert collection contained only a fragment of this species between two immature shoots of *L. semibarbata*, but the heads of this fragment are apparently smaller than those of the type.

2. — A specimen from west of Lake Kivu (Kanzibi marshes, alt. 2200 m., *Humbert* 7773) has leaves similar in shape to those of *L. stipulata*, though less strongly dentate; but the heads and florets are in this plant much smaller throughout as shown in the following key :

Involucre at anthesis 11.5-14 mm. long; corollas 18-20 mm. long ... ..  
..... *L. stipulata*.  
Involucre at anthesis 8-9 mm. long; corollas 12.5-13 mm. long ... ..  
..... *Lactuca* sp. (*Humbert* 7773).

It is apparently an undescribed species, but since it is just coming into bloom, and therefore does not bear even immature achenes, it cannot be well characterized.

*Lactuca paradoxa* *Sch. Bip.* in herb., ex *Oliver* et *Hiern*, *Flora Trop. Afr.*, III, p. 454 (1877).

*L. paradoxa* var. *pedicello-foliolata* *De Wild.*, *Plantae Bequaertianae*, V, p. 458 (1932).

ABYSSINIA : Mount Aber, province Simen, *Schimper* 1320 (Cotypes!, K. and V.).

BELGIAN CONGO : Ruwenzori, Butagu, alt. ca. 2200 m., *Bequaert* 3612 (Br.) ; Ruwenzori, Lamia, alt. ca. 2000 m., *Bequaert* 4317 (Br.).

TANGANYIKA TERRITORY : Ngorongo Crater, alt. 2270 m., *B. D. Burt* 4290 (K.).

