

BRITISH NORTH BORNEO, Mount Kinabalu, Marai Parai Spur, *Mrs. Clemens 11078*, December 2, 1915, on a forested ridge, altitude about 2000 meters, the fruits green.

The alliance of this species is clearly with *Timonius koor-dersii*, Valetton, of Celebes, from which it differs in numerous characters, notably its lanceolate, slenderly acuminate, much longer stipules, thicker, somewhat smaller leaves, shorter pedicels, and fewer pyrenes.

COMPOSITAE.

Lactuca, Linnaeus.

Lactuca retrorsidens, sp. nov.

Herba nana, glabra, 6 ad 10 cm. alta, *foliis* omnibus radicalibus, longe petiolatis, oblongo-obovatis, 1 ad 3 cm. longis, apice rotundatis apiculatisque, deorsum angustatis, basi cuneatis, margine dentibus minutis sparsis retrorsis vel patulis instructis; *capitulis* solitariis, circiter 7.5 mm. longis, circiter 10-floris, longe graciliterque stipitatis, squamis exterioribus numerosis oblongis ad oblongo-ovatis 1.5 ad 3 mm. longis, interioribus circiter 8 angustè oblongis 6 mm. longis obtusis apice minute ciliatis.

A dwarfed, glabrous, perennial herb 6 to 10 cm. high, the roots thickened, the very short caudex 1 cm. long or less, including the persistent bases of the petioles about 5 mm. in diameter. Leaves all radical, long-petioled, the blades greenish-olivaceous when dry, obovate to oblong-obovate, submembranaceous to chartaceous, 1 to 3 cm. long, 5 to 10 mm. wide, apex rounded and apiculate, gradually narrowed below, the base cuneate to decurrent-acuminate; lateral nerves few, very slender, obscure; petioles 1.5 to 6 cm. long, the margins on each side with from two to five short, slender, acute, retrorse or spreading teeth 1 mm. long or less. Heads solitary, about 7.5 mm. long, the scapes slender, 5 to 8 cm. long. Outer bracts oblong to oblong-ovate, obtuse, glabrous, 1.5 to 2 mm. long, succeeded by several oblong, 3 mm. long bracts, the innermost involucrel bracts about 8, narrowly oblong, about 6 mm. long and 1 mm. wide, the obtuse apices obscurely ciliate. Flowers about 10 in each head, yellow. Achenes 1.2 mm. long, somewhat compressed, glabrous, slightly narrowed at the apex, scarcely beaked, the pappus brownish, copious, about 4 mm. long.

BRITISH NORTH BORNEO, Mount Kinabalu, Low's Peak, *Mrs. Clemens 10623*, November 13, 1915, in rock crannies above the summit lakelet, the roots with milky juice.

A very characteristic dwarfed species, readily distinguishable by its solitary heads; its long-petioled, obovate to oblong-

obovate leaves; and the few, characteristic, retrorse or spreading, minute marginal teeth on the leaves.

***Lagenophora*, Cassini.**

***Lagenophora gibbsiae*, sp. nov.**

Folius oblanceolatis vel lineari-oblanceolatis, integris, numerosis, 1.5 ad 2 cm. longis, obtusis vel subacutis, glabris, nervis lateralibus obsoletis; *capitulis* circiter 8 mm. diametro, pedunculis 4 ad 11 cm. longis, sursum leviter pubescentibus foliis 3 ad 5 plus minusve reductis instructis; *achenis* 2.5 mm. longis, oblongo-obovatis, compressis, sursum obscurissime papillatis.

A tufted, nearly glabrous, perennial plant, the roots apparently not thickened as in *Lagenophora billardieri*, Cass. Leaves numerous, rosulate, oblanceolate to linear-oblanceolate, 1.5 to 2 cm. long, 2 to 3 mm. wide, chartaceous or subcoriaceous, olivaceous and shining when dry, glabrous, entire, the apex acute to obtuse, narrowed below, scarcely petiolate, the midrib evident on both surfaces but the lateral nerves and reticulations obsolete. Scapes 4 to 11 cm. tall, each bearing a single head, sparingly pubescent above, each bearing from 3 to 5 more or less reduced, scattered leaves, the uppermost ones 5 to 7 mm. long. Heads about 8 mm. in diameter. Involucral bracts numerous, in general oblong, 3 to 4 mm. long, 1.5 to 1.7 mm. wide, rounded, glabrous except the slightly ciliate apices, when fresh dull-red. Ray flowers white, tinged with pink, the corolla-tube 0.5 mm. long, the limb about 2 mm. long, somewhat navicular, entire, fertile, the achenes compressed, 1.5 to 1.8 mm. long, slightly papillate near the apex, otherwise glabrous. Disk-flowers numerous, yellow, the achenes similar to those of the ray-flowers. Corolla 2 to 2.5 mm. long, the tube short, the limb somewhat campanulate, 4-cleft. Anthers 0.5 mm. long. Style-arms less than 0.5 mm. long. Mature achenes brown, compressed, oblong-obovate, 2.5 mm. long, 1.3 to 1.5 mm. wide, glabrous except in the apical parts where they are obscurely papillate.

BRITISH NORTH BORNEO, Mount Kinabalu, above Paka Cave, Mrs. Clemens 10560, November 13, 1915, altitude about 3300 meters, associated with *Centrolepis* and *Potentilla*.

This species, dedicated to Miss L. S. Gibbs, is doubtless the one represented by her No. 4202, reported by S. Moore* as a Composite with the habit of *Lagenophora*, but with the flowering heads not sufficiently advanced to allow a certain generic identification of the specimen. Mrs. Clemens's speci-

* Journ. Linn. Soc. Bot. 42 (1914) 99.