

*Arnica Louiseana*, sp. nov.

Plant 7-20 cm. high, slender, pubescent. Leaves in about three pairs, the two lowest at base of stem, the lowest pair 2-4 cm. long, elliptical to obovate, on short winged petioles, mostly entire, the second pair 4-6 cm. long, elliptical, sessile, sparingly and saliently denticulate, the uppermost pair usually much smaller, narrowly ovate to lanceolate, entire or denticulate, all slightly glandular on both surfaces, the margins sparingly glandular and bearing a few long white hairs, fragrant.

Heads of flowers 1-3, usually 3, fragrant, 4 cm. broad, borne on long, slender, nodding, pubescent peduncles, the hairs interspersed with glands; ray and disc flowers light yellow, rays 8-10, 12-14 mm. long. Involucre 1 cm. high, campanulate, densely glandular villous at base, brownish-purple, the bracts lanceolate, acute, bearing scattered white hairs especially towards the apex, uniseriate, equal.

Receptacle slightly convex; achenes linear, strongly striate, brownish-black with a few short, scattered, white hairs; pappus white.

This species is perhaps more closely related to *A. Lessingii*, Greene, than to any other, but is a much smaller plant. The margins of the leaves are slightly glandular-ciliate while in *A. Lessingii* they are strongly pubescent.

It has usually three heads instead of one only as in that species; the bracts of the involucre uniseriate instead of biseriate, glandular and villous at base instead of pubescent. The rays are about half the length of those in *A. Lessingii*. The pale yellow color of the flowers and their drooping tendency distinguish it from other *Arnica*s of the region. It was found growing among the loose rocks on the slopes of Mt. Fairview, at Lake Louise in the Canadian Rocky Mts.

*Hieracium Albertinum*, sp. nov.

25-50 cm. high, the stem villous throughout with long, rigid, white hairs arising from black papillæ.

Leaves 5-12 cm. long, narrowly elliptical, tapering at both ends, the upper sessile, the lower narrowed into margined petioles.