

purple in the middle and glabrous except marginally, there somewhat white-woolly: achenes including the short stout beak  $\frac{1}{2}$  inch long, the pappus soft, dull white, nearly as long.

Marysvale, Utah, and Buckskin Mountains, Arizona, at altitudes of 9000 and 10000 feet, Marcus Jones, Aug. & Sept., 1894; specimens in U. S. Herb.

AGOSERIS LONGIROSTRIS. Crown of root simple or branching but fleshy like the root, not subligneous; scapes erect, a foot high; herbage very pale and glaucous, mainly glabrous: leaves ascending or suberect, 4 to 6 inches long, very narrowly linear, attenuate to a long almost filiform summit, mainly entire, some with a few remote short teeth, others as many short slender lobes, all perfectly glabrous: scapes slender, showing a few long soft hairs almost throughout, but more conspicuously below the middle, terminally under the head scantily white-woolly; involucre an inch high, subcylindric, the bracts very white but showing purple dots, the outer oblong, acute, scantily and even interruptedly woolly-ciliate: achenes long and slender, tapering very gradually to a slender beak (not pappus stipe) of their own length.

At 9000 feet, near Fish Lake, Utah, Marcus Jones, 4 Aug., 1894. An elegant plant by its almost filiform foliage, remarkable for the length of the beak of the achene, for the plant is of the *A. glauca* group.

AGOSERIS LONGULA. Scapes stout, 2 feet high, but foliage only one-third as long, the whole plant glaucous, also glabrous as to all the vegetative organs: leaves narrowly linear to lance-linear, acute, often entire, as often with here and there a short salient tooth: involucre many-flowered,  $1\frac{1}{4}$  inches high, bracts more numerous than in the last, in three series, all triangular-lanceolate, acuminate, the outermost series of about one-third the length of the innermost, the tapering upper part of the middle series more or less distinctly bristly-ciliate: achenes 6 lines long, extremely slender, the beak though slender striated, nearly half as long as the body; pappus fragile.