

subcylindric, hardly even narrowed at summit, the long firm pappus sessile on the body of the achene.

Rocky ground at 8000 feet on Mt. Rainier, Washington, C. V. Piper, 1895; his n. 2149 as in my herbarium.

AGOSERIS ANGUSTISSIMA. Tufted perennial, with numerous upright slender scapes about a foot high, and the narrowest of leaves about half as long, either upright or ascending, not depressed; the whole plant pale and glaucescent: leaves very narrowly linear, attenuate-acute, glabrous above, but basally crinite-ciliate, the whole leaf commonly quite entire, yet very often showing one or more pairs of narrow subfalcate lobes or segments an inch long or less: peduncles lanulose under the involucre, the woolliness extending up along the margins of the bracts, these lance-linear and elongated, not even the outer series much wider than the inner, but only shorter: flowers few in the head, apparently rose-red: achenes con-similar, slenderly fusiform, much exceeded by the slender beak, the very delicate and fragile pappus still longer.

Fir glades, bordering the eastern shore of Diamond Lake, extreme southeastern Oregon, collected by Coville and Applegate, 6 August, 1897; also by the same collectors, on 17 August in the same year, shore of lake south of the Three Sisters, in the Cascade Mountains; copious and fine specimens in U. S. Herb. The plant has been taken by some one for *A. aurantiaca*, and the specimens are so labelled, but the nearest affinity is *A. gracilens*, a name which better befits this plant than it does the real thing that is so named.

AGOSERIS VULCANICA. Stout, low, the upright scapes and ascending foliage from a branching caudex, the scapes not greatly surpassing the leaves and 6 inches high or less: leaves glabrous, oblong-linear, rather blunt at apex, though tipped with a gland-like mucro, mostly entire, some with an obscure tooth or two on either margin: flowers unknown: scapes sparingly hairy above the middle, densely so under the head, the bracts woolly-ciliate, otherwise glabrous or nearly so, the