

Yale, B. C., as collected by Mr. Macoun, Geol. Sur. N. 61,314, Under ground growth apparently different from that of *A. Mensiesii*, and the leaves short, broad, not long-pointed; flowers few, not cymose but scattered in the axils of leaves.

*A. TERETICAULIS*, Greene, l. c. 105. Of this I know but a single specimen, Herb. Geol. Surv. n. 10,123, from Waterton Lake, Alberta, 1895, by Mr. John Macoun, but the characters of the species are excellent, the stems with no trace of angularity, and openly dichotomous from the middle, the inflorescence therefore ample, but leafy.

*A. TENERRIMA*, Greene, l. c. 104. This is remarkable for extremely thin vivid green foliage, and the whole plant, even to the 4-angled stems is very slender and delicate, the scattered flowers on the most slender of pedicels in the axils of the leaves. Notwithstanding its slenderness and delicacy the plant appears to be upright. The specimens are from Medicine Hat, Assiniboia, by Mr. Macoun, June, 1904, the fine herbarium sheet being numbered 3,090.

*A. DEBILIS*, Greene, l. c. 101. A low small depressed and much branched herb., nearly as delicate as the last, as different as possible as to mode of growth, the angles of the stem almost uncinat-prickly in a very delicate fashion, the very lowest internodes somewhat villous downwards. The species is another of Mr. John Macoun's gathering in Assiniboia, June, 1895, from Farewell Creek in the Cypress Hills, the number, 10124.

*A. PICTA*, sp. nov. Loosely tufted, ascending 8 to 10 inches high, the stems terete, dichotomous, leafy and floriferous from below the middle but loosely so, the internodes often of more than twice the length of the leaves, the lower with a minute and scanty retrorse pubescence, the upper and the pedicels with as minute but more copious and spreading gland-tipped hairiness: larger leaves little exceeding an inch in length, spreading, elliptic-lanceolate, very acute, sparingly and retrorsely scabro-pubescent on both faces: reduced leaves of the cyme ovate-elliptic, the pedicels short, the lower not exceeding the leaves; calyx small, oval, the triangular-subulate teeth erect or connivent and wholly red-purple: petals small.

Hector, B.C., 4th Aug., 1904, J. Macoun, Geol. Surv., n.