

These new species are:

*ARCTOPHILA GRACILIS* (Figs. 3 and 4.)

Rhizome wanting: culm glaucous, slender, glabrous, the internodes longer than the leaf-sheaths: leaves glaucous, glabrous, the sheaths split to about the middle: ligule lacerate; leaf-blade flat, very narrow, much longer than the internode, erect: panicle relatively long and narrow, the almost capillary rays semiverticillate: the basal and several of the upper ones deflexed, giving the plant somewhat the aspect of *Poa sylvestris* Gr.: spikelets glaucous, quite numerous near the end of the branches with capillary pedicels, two to four-flowered: empty glumes very unequal, obsoletely three-nerved, acute: flowering glume relatively narrow, the apex obtuse and erose, three-nerved, longer than the bidentate, glabrous palea: rhacheola hairy at the joints: stamens and pistil as in *A. fulva*.

Very characteristic by its narrow panicle, the narrow leaves and glaucous hue.

Collected by Dr. R. Bell in bogs and swamps north of Lake Superior; in flower July 1883.

*ARCTOPHILA FRIZOIDES*. (Fig. 8.)

Rhizome robust, stoloniferous: culm glabrous, about 60 cm. in height, the upper internodes longer than the leaf-sheaths the basal shorter: leaves glabrous, the sheaths split to about the middle; ligule large, almost entire. leaf-blade flat, quite broad, much longer than the internode, erect: panicle nodding, very short, but broad, the rays semiverticillate, two or three together, drooping, very slender: spikelets pale green with a slight tinge of purple, mostly four-flowered, quite numerous in proportion to the small panicle, broadly ovate, on very slender pedicels: empty glumes subequal, the lower one-nerved, the upper three-nerved: flowering glume rather broad, obtuse, erose, nerveless, longer than the palea: rhacheola, stamens and pistil as above.

Recorded as *A. fulva*, but very distinct from this and the others by the short and broad inflorescence with its drooping, broadly ovate spikelets, rendering the plant the aspect of a *Briza*.

Collected by James M. Macoun on St. Paul Island, Behring sea; in flower August 1892.