

ON THE GENUS *ARCTOPHILA*, RUPR.

By THEO. HOLM.

(With one plate.)

The old genus *Colpodium* of Trinius was founded upon two species: *monandrum* and *Steveni*, which by Trinius himself were considered as "species facie dissimiles", and they are indeed so unlike that Robert Brown a few years later segregated the former as *Phippsia algida*, R.Br., and retained the latter only as a *Colpodium*. To the latter genus was furthermore referred *C. latifolium* R.Br., although Robert Brown was not certain about the real affinity of this species with those of Trinius and especially not with *C. Steveni* and *compressum*. At present Robert Brown's species *latifolium* is generally placed under Grisebach's genus *Arctagrostis*: *A. latifolia* (R. Br.) Griseb.

While *Colpodium* of Trinius was adopted by Grisebach with the omission of *C. monandrum* (*Phippsia*), the genus was nevertheless augmented with certain species, placed as a section "*Arctophila*" in contrast to *C. Steveni* and its natural allies, representing the section "*Eucolpodium*." By including the species of *Arctophila*, Rupr., the genus *Colpodium* became actually an aggregate of incongruities, as it had been before with *Phippsia* and *Arctagrostis*. By Bentham the genus was finally restricted to the section *Eucolpodium*, while *Arctophila* became transferred to *Graphephorum* Desv., next to *Glyceria* R. Br.; another disposition was made by Hackel, who followed Grisebach by placing them both (*Eucolpodium* and *Arctophila*) as sections of the original genus *Colpodium*, and characterized as having the "spikelets one—to two-flowered etc." This same classification is, also, followed by Beal in his lately published monograph of North American Grasses, with the same erroneous characterization, erroneous, because it was originally intended for *Colpodium* alone in the sense of Trinius.

Three species are enumerated by Beal as representatives of the genus (*Colpodium*) in North America: *C. fulvum* (Trin.) Griseb., *C. pendulinum* (Laestad.) Griseb., and *C. mucronatum* (Hack.) Beal. Considering the fact that *Colpodium* in the sense of Trinius was originally intended for both *C. Steveni* and *Phippsia algida*,

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