American, but *S. uva-ursi* seems to be confined to America. *Rubus triflorus*, the dwarf raspberry, and *R. chamœmorus*, the cloud berry, climb about equally high on Mount Washington; but the former is exclusively American, and ranges pretty far southward, while the latter extends no farther south than the northern coast of Maine, and is distributed all around the Arctic regions of the Old and New Worlds. It is to be observed, however, that the former can thrive on rich and calcareous soils, while the latter loves those that are barren and granitic; but it is nevertheless probable that *R. triflorus* belongs to a later and more local flora. Similar reasons would induce the belief that the American dwarf cornel or pigeon-berry (*Cornus Canadensis*), whose distribution is solely American, and not properly Arctic, is of later origin than the *C. Suecica*,[1] which occurs in northern America locally, and is extensively distributed in northern Europe.

I can but glance at such points as these; but they raise great questions which are to be worked out, not merely by the patient collection of facts, but by a style of scientific thought very much above those which, on the one hand, escape such problems by the supposition of multiplied centres of creation, or on the other, render their solution worthless by confounding races due to external disturbing causes with species originally distinct. Difficulties of various kinds are easily evaded by either of these extreme views; but with the fact before him of specific diversity and its manifestly long continuance, on the one hand, and the remarkable migrations of some species on the other, the true naturalist must be content to work out the problems presented to him with the data afforded by the actual observation of nature, following carefully the threads of guid-

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[1] I have found *C. Suecica* growing along with *C. Canadensis* in shaded and northern exposures on the south side of the St. Lawrence, near Caconna and Metis. Its seeds may have been brought over from Labrador by migratory birds.