

are known between these two forms and, to judge from specimens in my collection from Savanna, Illinois, are to be found as far east as the Mississippi River. Also, *coloradensis* appears to intergrade with *artemisia*, the Great Basin subspecies described from Provo, Utah, by Cole. Specimens that I have collected from Grand Mesa and Grand Junction, Colorado, show an approach towards *artemisia* in their reduced size, somewhat shining vertex, and loss or near loss of the granulated surface and foveolae so characteristic of the head of *coloradensis* east of the divide.

Though the ranges of *coloradensis* and *senex* overlap, the ants are morphologically distinct, and while examples of the new form have been taken as yet only from the type locality, they show no tendency to intergrade with *coloradensis*. *Senex* can be expected to turn up later in more southern stations. It cannot be confused with Wheeler's supposed variety *neomexicana* from Las Vegas, New Mexico, for Creighton has shown the latter to be a synonym of *coloradensis*. I have seen a cotype of *neomexicana* and agree with Creighton's treatment of this ant. Cole's *artemisia* approaches *senex* more than any other member of the *pilifera* complex and might be regarded as the same insect population, taxonomically and genetically, especially if the two showed intergradation, if it were not for the topographic barrier and hundreds of miles which lie between them. The stations for these ants are located at relatively low altitudes (viz., about 4000 feet), in north central Utah and southeastern Colorado. *Pheidole* as a genus does not go high into the Rockies, and even the subspecies *coloradensis* is confined to the plains and to rather low elevations in the foothills and along the base of the mountains. It does not seem likely, therefore, that these forms are conspecific.

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