

and then to make the slightest and most trivial character serve as a basis for a new species, even when it is known that the character is elsewhere in the genus a known variable one.

In my *Satyrus* paper I termed "forms" what I here term "races." The latter is more expressive and more in accordance with the nomenclature in other departments of zoology.

CONTRIBUTIONS TO THE NORTH TRANS-CONTINENTAL SURVEY.

BY LAWRENCE BRUNER, WEST POINT, NEBRASKA.

ORTHOPTERA.

Herewith is presented for publication a partial list of the Orthoptera collected by Dr. H. A. Hagen and Samuel Henshaw during the summer of 1882, along the line of the Northern Pacific Railway. The collection, although not an extensive one, contains some new forms, as well as several interesting varieties of well known species. The collection is also of much interest in extending the range of quite a number of species heretofore recorded as occurring only on the eastern slope of the continental divide, or at the extreme eastern edge of the great interior basin, to the western slope.

Taken as a whole, this collection of Orthoptera is very complete for the regions in which it was made, and shows careful work both in its formation and preservation. It is to be regretted, however, that so few specimens of some of the more interesting forms were taken, a feature which, no doubt, might have been remedied to some extent had their value been known at the proper time.

There still remain a few species which are to be more carefully studied and compared before they can be properly placed. These, when I have the time to do so, will be worked up, and, in connection with the doubtful ones here enumerated, will form the subject for a future paper, when, it is hoped, I will be able to add such points as have been carelessly overlooked here.