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## NOTES ON THE VARIATION IN COLOR OF *ÆDIPODA* *CORALLIPES* AND *ÆDIPODA CINCTA*.

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Rev. Cyrus Thomas, in his *Acrididæ of North America*, page 132, says: "There are no permanent characters by which to distinguish alcoholic specimens of *Ædipoda corallipes*, *Haldemanii*, *paradoxa* and *rugosa* from each other." He therefore considers them the same. Probably *Æ. discoidea* might be considered as another variety of the same. This much named grasshopper is abundant in Nebraska from the middle of June to about the middle of August. Owing to its large size (which is exceeded here only by the huge, wingless *B. magnus*) and colored wings it is one of the most conspicuous of our Orthoptera. It would be difficult, if not impossible, to breed grasshoppers from the egg; the only way, therefore, to establish the relationship of different varieties, is by comparing a large number of fresh specimens, seconded by close observation of their habits. I have therefore collected and compared a large number of specimens of this species during the past summer. I find but little difference between them except in the color of the wings and hind femora and tibiæ; but these vary considerably, as the following table will show:

- Variety A. Wings yellow; inside of hind femora and hind tibiæ yellow.  
" B. Wings red; inside of hind femora and hind tibiæ yellow  
(*Æ. paradoxa*).  
" C. Wings yellow; inside of hind femora and hind tibiæ bright  
red (*Æ. Haldemanii*).  
" D. Wings red; inside of hind femora and hind tibiæ bright red.  
" E. Wings yellow; inside of hind femora whitish, ribs brown;  
hind tibiæ yellow.  
" F. Wings yellow; inside of hind femora brown, lower sulcus  
blue; hind tibiæ yellow.