

DISSOSTEIRA CAROLINA.

BY JEROME M'NEILL, MOLINE, ILL.

During the past summer I collected at Dublin, Wayne Co., Ind., a number of *Ædipodini* that seem to be a long-winged variety of the above named species. A comparison of the dimensions given by Thomas and Saussure for *D. carolina* and *D. longipennis* with measurements taken from eleven of these specimens, will show what the difference amounts to. The former, in his *Acrididæ of North America*, page 118, gives for *D. carolina* the following dimensions: "Female—Length, 1.5 to 1.75 inches; elytra, length of the body; posterior femora, about half the length of the body. Male—Length, 1 to 1.25 inches; elytra and wings passing the abdomen about one-third their length." The same authority gives for *D. longipennis*: "Length, 1.14 inches; elytra, 1.27 inches; posterior femora, 0.64 inch; posterior tibiæ, 0.55 inch." These dimensions are those of the male, the female being unknown to Thomas.

Saussure, in his "*Prodromus Ædipodiorum*," pages 137 and 138, gives for the measurements of the first named species: "Length, female, 40, male, 33; elytra, female, 41, male, 36 mill." And for the last mentioned species: "Length, female, 45, male, 35; elytra, female, 46, male, 35 mill."

It appears from these facts then that while the length of the body is greater in *D. longipennis*, the wings are proportionally longer in both female and male of *D. carolina*, and absolutely longer in the male of this species, so that the latter is, in spite of the name, the long-winged species. But the Dublin specimens exhibit a much greater contrast in the relative lengths of the elytra and bodies, as a glance at the following table will show:—

No. 1, female, length,	34;	elytra, 41;	posterior femora, 17;	posterior tibiæ, 14 mill.
No. 2, " " "	37;	" 40;	" " 17;	" " 15 "
Average " " "	35.5;	" 40.5;	" " 17;	" " 14.5 "
No. 3, male, length,	27;	elytra, 33;	posterior femora, 14;	posterior tibiæ, 12 mill.
No. 4, " " "	28;	" 34;	" " 15;	" " 12 "
No. 5, " " "	27;	" 33;	" " 14;	" " 12 "
No. 6, " " "	27;	" 32;	" " 15;	" " 12 "
No. 7, " " "	30;	" 34;	" " 14;	" " 12 "
No. 8, " " "	27;	" 33;	" " 14;	" " 12 "
No. 9, " " "	28;	" 35;	" " 15;	" " 13 "
No. 10, " " "	26;	" 33;	" " 14;	" " 12 "
No. 11, " " "	29;	" 34;	" " 14;	" " 12 "
Average " " "	27½;	" 33½;	" " 14½;	" " 12½ "