

tion, and it is not well agreed among eminent coleopterists whether there should be one species or two. The form found in Grant Land is stated to have been the common black British form, *mesomelinus*, Marsh.

*Tanarthrus salicola*, Lec.—This interesting little Anthicide was described from the salt marshes of the Rio Colorado, where it is said to have the habits and activity of a Cicindelide. I saw an example taken by an amateur entomological friend on a salt marsh near Lincoln, Nebraska, which shows the species to be also an inhabitant of the alkaline salt marshes west of the Rocky Mountains.

*Leptinus testaceus*, Müll.; *Caucasicus*, Motsch.; *Americanus*, Lec.—This curious beetle, which is blind, is known to be native in Europe and Western Asia, as well as in North America. Its consideration here is chiefly intended to present at one view what is known of its habits and what has been written about it, with the view to ascertain more nearly its mode of life. The chief bibliographical references in American literature are:—

1. Proc. Acad. Nat. Sci., Phil., 1866, 367. Described by Dr. Leconte, under the name *Americanus*, from examples found by Dr. Brendel at Keokuk, Iowa, under a log, in a mouse nest.

2. Classification of the Coleopt. of N. A., 1883, 77. "Lives with various small rodents and insectivora, either on their bodies or in the material of their nests, but whether as true parasites or merely as guests has not been determined."

3. Proc. Ent. Soc., Washington, I., 16, 1884. "Known to be parasitic only in the imago state."—*Schwarz*.

4. Insect Life, I., 200. Prof. C. V. Riley states that the larvæ and imagoes had been found around Washington in the nests of *Graphops*.

5. Scientif. Amer. Suppl., XXV., 10356, June 1888, and re-printed in Insect Life, I., 306. "It is known to be parasitic on mice, as it has been found upon them in Philadelphia by Dr. John A. Ryder, and I have taken it in the nests of a common field mouse near Washington."—*Riley*.

6. Proc. Ent. Soc., Wash., II., 2. "Parasitic on wood mice and on other small rodents."—*Schwarz*. Mr. H. Ulke has also taken this species. Prof. Jerome Schmitt, of St. Vincent College, Westmoreland Co., takes it comparatively frequently, and kindly permits the use of his notes. Nov. 3rd, 1890, one example was taken in a mouse nest under a log, the mouse having just fled; cold and snowing. Many nests of mice were examined by sifting during the winter, but no *Leptinus* were obtained