

TWO NEW BLIND BEETLES, OF THE GENUS *ADRANES*,  
FROM THE PACIFIC COAST.

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The species of *Adranes* are to be looked for in nests of ants belonging to the genus *Lasius*. They are helpless creatures, lacking eyes and with much reduced mouth-parts, dependent probably upon the ants for their supply of food. They are carefully attended by their hosts, to whom they give requital in the form of a secretion, much appreciated by the ants, which collects on certain patches of hair situated on the tips of the elytra and on the base of the abdominal dorsum. The antennæ are much modified, consisting of only two joints, the second of which is very large and heavy, varying in form in different species.

Until recently but two species were known, namely, *A. cæcus*, Lec., from Pennsylvania, Georgia and Illinois, and *A. Lecontei*, Brendel, from the Mississippi, Potomac and Ohio\* valleys. Some time ago I received from the Rev. Geo. W. Taylor a specimen which appeared to belong to a third species. It had been captured by him in an ants' nest near Nanaimo, Vancouver Island. My trip to the Pacific Coast has given additional specimens of the same kind, and also of a fourth species which is very distinct from any of the others.

While all of the *Adranes* are of much the same colour (a peculiar shining reddish yellow) and agree closely in general shape, they nevertheless offer structural characters, particularly in the male sex, which enable us to separate them readily. I regret not to have seen *A. cæcus*, which evidently approaches the form that I have called *pacificus* in size and in some other features. I annex a table which gives in brief the differentials necessary for specific discrimination :

Head cylindrical. Antennæ with second joint narrowed to tip. L.  
1.8 mm. .... *cæcus*, Lec.

Head narrowed behind.

Antennæ with second joint narrowed to tip.

Smaller (2 mm.); middle tibiæ of ♂ not appreciably thickened  
near the base. .... *pacificus*, n. sp.

\*Dr. E. Wasmann has also a record of *A. Lecontei* from California. (Krit. Verz. d. Myrmekoph, u. Termitoph, Arthropoden, Berlin, 1894, p. 107.)