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On the Occurrence of the White Ant (*Termes flavipes*) in Iowa

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on a great variety of plants, but has never proved troublesome to native plants outside the lower austral zone.

While the San Jose scale has not as yet been received from any point in Iowa we can hardly hope to remain exempt from its attacks. It is of the utmost importance to recognize it at once in case it appears in any locality. The scale is circular and the exuviæ form a nipple-like elevation at or very near the center. No eggs will be found under the scales, as the females produce living young, and a microscopic examination of the last segment of the female shows an absence of the grouped ventral glands common to related species. All scale, however, that can not be referred certainly to some of the above named species had best be sent at once to the experiment station or referred to some one thoroughly acquainted with the characters by which it is recognized.

ON THE OCCURRENCE OF THE WHITE ANT (*TERMES FLAVIPES*) IN IOWA.

BY HERBERT OSBORN.

I am not aware of any published record of the occurrence of *Termes flavipes* in Iowa and aside from a note book record by J. Duncan Putnam I have not until the present year been able to secure any definite facts that would warrant listing it as belonging to our fauna.

Last year Mr. F. M. Rolfs stated in one of my classes that he had seen this species at his home in Le Claire in Scott county, and when he returned to the college from his summer vacation this year he brought with him a number of examples of the workers and soldiers collected at that place.

The well known habits of this insect and the great economic importance it sometimes assumes where it gets access to stored books or documents, or to the timbers of bridges and buildings, render this definite occurrence of sufficient interest to record.

In all probability the species occurs throughout the timbered portions of the state, adjacent to the Mississippi at least. I think it hardly possible that it can occur at Ames, as I have examined thousands of old stumps and logs in quest of insects and have never yet met with it there.