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## NOTES ON *LIXUS MARGINATUS* SAY.

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While collecting under a fence at the Michigan Agricultural College on the 4th of September, 1909, I noticed a great many swellings, about as large as peas, on the stems of the low, flat shore weed, *Polygonum littorale*. Upon opening these, I found that they were galls, containing a snout beetle or its larva or pupa. Many of the beetles had already emerged from their galls, in which there was always a hole in the apex or anterior end of the gall.

Every beetle found was lying snugly in his or her nest, with head toward the terminal end of the twig.

A great many larvæ and pupæ were found. At least one twig was found which contained a larva, a pupa, an adult, and the empty galls from which adults had emerged.

The galls were generally scattered along the stems of the larger, healthier plants. Some were close to the base of the plants, and some were only a couple of inches from the tips, but more were found about half the distance between bases and tips. The galls near the tips being necessarily small contained the very young larvæ, while the larger galls near the base contained the pupæ, large larvæ, and adult beetles.

The beetles and galls were found only in the larger, healthier plants growing in protected places. None could be found on plants in such places as lanes, lawns and pastures, though luxuriant growths of the plant were found in such places.

At the time of first finding this insect (Sept. 4), I collected several adults, a couple of larvæ and a pupa. One of the larvæ was nearly full-grown, the other was not more than half-grown. Some of the beetles were just matured, others were quite ready to emerge, as some had already done.

On October 6th I collected several more adults, larvæ and pupæ. On this date I found some very small larvæ, as well as other sizes.

The life-history of this species is not entirely known, so far as I have been able to learn. The eggs must be laid just beneath the bark of the