

old egg-masses of the species, but nothing living. However, on Long Island, N. Y., I met with larvae like *leucostigma* but without the yellow subdorsal band. On breeding them I obtained a moth exactly like Mr. Beutenmüller's recent examples of *inornata*.

Harrison G. Dyar.

JORDAN AND KELLOGG'S ANIMAL LIFE (N. Y., Appleton, 1900, 8°) is an introduction to zoology of the most rational kind, abundantly and excellently illustrated. It is the only text-book of zoology we have ever seen which was readable almost from cover to cover. Generous space is given to insects. The authors point out "that the whole life of animals, . . . all the variety of animal form and habit is an expression of the fitness of animals to the varied circumstances and conditions of their living . . . [and that this adaptation has] come about inevitably and naturally, and that it can be readily studied and largely understood." The whole book makes this clear.

STANFORD UNIVERSITY'S COLLECTION OF JAPANESE SCALE INSECTS.—Mr. S. I. Kuwana, assistant in entomology in Stanford University, spent all of last summer in Japan

collecting and studying in the field the scale insects of that country, this being the first attempt to make a systematic investigation of Japanese Coccidae. Mr. Kuwana visited and traveled over all of the larger islands of the Empire, and by reason of his knowledge of the language and geography of Japan was able to do very effective work. He gave special attention to the San José scale, in an attempt to solve, or at least to contribute to the solution of, the problem of the native habitat of this insect. This scale was found to be distributed over the whole empire, and in certain regions to be a serious pest. Mr. Kuwana is now engaged in working over his notes and material relating to the San José scale and finds much evidence to uphold the belief that the insect is native to Japan. He hopes to publish his notes about Christmas time. The collections made by Mr. Kuwana on this expedition, which are large, belong to the entomological laboratory of Stanford University. As far as the duplicate material will allow I shall be glad to make exchanges with students of the Coccidae, or to present specimens to them. Until the material is worked over, however, the collection will be kept intact.

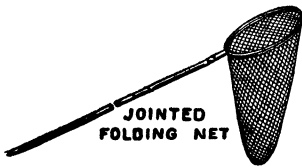
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