

in other departments of zoology as well as botany, have brought about great changes. I have had no trouble in crossing ♂ and ♀ *Gloveri* with *ceanothi*, *cecropia* and *ceanothi*, and *Gloveri* and *cecropia*, and have now in my possession some fine cocoons of such hybrids between *ceanothi* and *cecropia*, of which I will speak after the imago appears.

ENTOMOLOGICAL NOTES.

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1. *Cecidomyia spec.* on *Aristolochia siphoc.*

Flat rounded galls on the under side of the leaves, pale, somewhat transparent, pale greenish, 4 mil. diam. On the upper side of the leaf the gall becomes a slightly elevated disk marked with dark red and having in the middle a small pale-bordered hole. The galls grow larger and more globular on the stems of the leaves, to globes of 8 mil. diam., some more elongated, 18 mil. long and 8 mil. broad. The larvæ are brick red, 3 mil. long, very agile. I find no species on *Aristolochia* described by Osten Sacken and others.

2. Caterpillar of *Papilio philenor* on *Aristolochia siphoc.*

I received a number nearly full grown, and young ones (about 10 mil. long). Harris, Ent. Corresp., p. 147, discovered them on the same plant in the botanical garden in Cambridge, August, 1840, and Mr. Scudder, List of N. Engl. Butterflies, p. 162, says "once or twice taken in Eastern Mass. last September." I don't know if the species is taken more often, but it is remarkable that the caterpillars (about two dozen) were nearly full grown on June 16th, as Harris and Scudder give August and September.

3. *Nematus Erichsoni* on *Larix Europæca.*

A large number of larvæ very young to nearly full grown, some probably full grown, were sent living with the twigs. The larvae agree perfectly with description and figure in Ratzeburg's Forst-Insecten, Tom. iii., pl. 3, f. 4. The species is not represented in the collection here, neither in the larva nor in the imago state. It is not mentioned in Mr. Norton's Catalogue of N. Am. Tenthredinidae. I have to remark that the larvae of the three other species living in Europe on *Larix*, viz., *Lyda laricis*, *Nematus solea* and *compressa*, from their description, do not agree with those sent to me. I am indebted to the Harvard Arboretum and its Director, Mr. Chas. S. Sargent, for these specimens.