

One changed to a pupa in ground July 6, and another was at that date burrowing in the earth. The two pupæ were sent to Dr. Packard, who wrote me under date of April 20, 1892, that one pupa had disclosed a female moth, which proves to be probably this species. The other pupa was a male and had not yet burst. May 22, 1892, half-grown larvæ, apparently this species, were found on willow. May 31 larger specimens were found on cottonwood (*P. fremontii*).

*Eucaterpa variaria*, Grote.

This moth was bred from thin net-like cocoons found on terminal shoots of *Chilopsis saligna*, August 25, the moths issuing Aug. 28. The cocoon is very thin, formed of silk, with the nearest leaves fastened to it on the outside. (See *Psyche*, April, 1892.) The moth is silvery, speckled with blackish. I have noticed the *Chilopsis*, through September and October, both near Mt. Picacho and about the entrance to Soledad Canon, to be full of the empty cocoons of this moth. A tachinid was bred from the cocoons about Sept. 5. (See *Psyche*, l. c.) Determined by Dr. Skinner.

#### HYMENOPTERA.

*Andricus*, sp. (?).

While looking over, in March, specimens of plants collected the previous summer, Prof. Wooton handed me some scrub oak leaves, one of which possessed on the underside a reddish, woolly, hymenopterous gall. Each section of the gall contained a perfect gall-fly, which had transformed within, but had been unable to escape while the plant was in press. Determined by Dr. Riley. The oak is *Q. undulatus* var. *wrightii*; determined by Mr. W. H. Evans.

*Synergus*, sp. (?).

Scrub oaks (*Q. undulatus* var. *wrightii*) near Riley's water in the Organ Mts. were found hung full of a large and very hard twig-gall about the size of an apple. From a large gall which was brought home to breed the flies, there issued, from April 6 to 20, about two dozen gall-flies. The gall was 2½ inches in longest diameter, and 2 inches in shortest. It contained twenty-three exit holes April 20. The flies are brown or blackish, with hyaline wings. Determined by Dr. Riley.

*Decatoma*, sp. (?).

From the last mentioned gall there also issued, on April 20 and May 19, two apparent inquiline of this genus. They are of a brownish flavous colour, and the eyes are of a beautiful light carmine in life. Determined by Dr. Riley.

*Chalcididae* (?).

Prof. Wooton handed me in April a pod of a native species of *Lotus*, with some chalcid (?) flies which had issued therefrom in his herbarium. The pod is very small, and the plant was collected the preceding June. The flies are black, and several holes in the pod show where they had issued.