

## A LIST OF CALIFORNIA APHIDIDÆ.

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Our knowledge of the group Aphididæ in California has been limited in the past to certain forms that were of economic importance in their relations to cultivated crops. No systematic list of these interesting insects has heretofore been attempted in this region, and this has not been due to any lack of material, for the varying conditions of climate here seem to be particularly favorable to them.

In Hunter's list of the Aphididæ of North America (Bull. No. 60, Iowa Ag. Ex. Sta., 1901) we find nine forms that may be considered as reported from California. Only five of these forms are directly referred to this State, while the other four are stated to be found, as in the case of *Nectarophora avenæ*, Fabr., "throughout the United States." One of the five forms directly referred to the State is *Aphis mali*, Fabr. The writer is doubtful of the occurrence of *mali* here, and believes that other species have been confused with it, and therefore does not include it as a California form. With this exception the following list is made up from the reported Aphididæ of California and from the writer's own collections in the State during the past eighteen months.

Forty-three species are listed, including ten new species. This number does not by any means exhaust the group so far as this State is concerned, as it represents but few localities, yet it is believed that the presentation of the list at this time is desirable, in that it may stimulate further study of the group by other observers.

## TABLE OF GENERA.

- |       |   |               |
|-------|---|---------------|
| A.    | Third discoidal vein wanting              | Phylloxera.   |
| AA.   | " " " simple                              | Pemphigus.    |
| AAA.  | " " " one-branched                        | Schizoneura.  |
| AAAA. | " " " two-branched.                       |               |
| B.    | Antennæ five-jointed                      | Lachnus.      |
| BB.   | Antennæ seven-jointed.                    |               |
| C.    | Style long.                               |               |
| D.    | Frontal tubercles toothed internally      | Phorodon.     |
| DD.   | Frontal tubercles not toothed internally. |               |
| E.    | Frontal tubercles approximate             | Nectarophora. |
| EE.   | Frontal tubercles distant                 | Myzus.        |
| CC.   | Style short.                              |               |