

ADDITIONS TO THE LIST OF GALL-PRODUCING INSECTA COMMON TO INDIANA.

BY MEL T. COOK.

One year ago the writer presented a list of gall-producing insects, with a list of host plants, for the State of Indiana. This list is no doubt very incomplete, since the writer has collected specimens in Illinois and Ohio which have not been reported from Indiana. Furthermore, this collection of galls which I have received from other parts of the United States and Canada lead me to believe that galls have a very wide distribution; it is probable that the galls are distributed over as wide an area as the host species and, in some cases, are as widely distributed as the host genera. However, the insects may in some cases be restricted to smaller areas, due to other environments. Our knowledge of American galls is at present so limited that it is impossible to draw any definite conclusion on this subject.

Within the past year I have collected a large number of galls in Illinois, Indiana, and Ohio, but, of course, many of these duplicate those reported in the list of one year ago. I have also received collections from various parts of the United States and Canada, and wish especially to thank Mr. F. L. Sims, of Laporte, Indiana. Mr. C. C. Deam, of Bluffton, Indiana, and Prof. W. A. Kellerman, of Columbus, Ohio, for interesting collections of Indiana galls.

The additional list which I now present gives an increase of two genera and eleven species of insecta.

Hemiptera:

41. *Pemphigus populis-caulis*, Riley, on *Populus deltoides* Marsh.
42. *Pemphigus populis-transversus*, Riley, on *Populus deltoides* Marsh.

Diptera:

43. *Sciara ocellaris*, O. S., on *Acer saccharium* L.
44. *Cecidomyia holotricha*, O. S., on *Hicoria alba* L. (Britton.)
45. *Cecidomyia tubicola*, O. S., on *Hicoria alba* L. (Britton.)

Hymenoptera:

46. *Amphibolips sculpta* Bass. on *Quercus rubra* L.
47. *Andricus femoratus* Ashm. on *Quercus rubra* L.
48. *Andricus lana* Fitch. on *Quercus rubra* L.
49. *Diastrophus nebulosus* O. S. on *Rubus villosus* Ait.
50. *Diastrophus cuscuteformis* O. S. on *Rubus nigrobaccus* Bailey.
51. *Rhodites dichlocerus* Harris, on *Rosa* sp ———.

Nos. 41 and 42 were collected in Wells County, Indiana, by C. C. Deam; Nos. 46 and 47 were collected near Laporte, Indiana, by F. L. Sims; No. 50 was collected in Stenben County, Indiana, by Prof. W. A. Kellerman, of the Ohio State University. All others were collected by me near Greencastle, Indiana.

No. 12. *Trypeta solidaginis* of the last report should have been placed under the order Diptera.

I should very much appreciate collections of galls from various parts of Indiana.