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Author(s): Greene, Charles Tull

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THREE HUNDRED AND SIXTEENTH MEETING, NOVEMBER 6, 1918

A NOTE ON THE HABIT OF PEGOMYIA AFFINIS STEIN AND
OTHER ANTHOMYID GENERA.

BY CHARLES T. GREENE.

At Lyme, Conn., May 13, 1918, the writer was collecting in a field where there were numerous burrows of the common ground hog, *Marmota*. Numerous specimens of *Pegomyia affinis* Stein, a common fly of the family Anthomyidae, were found flying around the openings of these burrows. On investigation I found pupae in the loose earth which was thrown out around the burrow opening. A few days later the adults of this fly emerged. There were no traces of excrement or any decaying material in this loose earth that I could see.

The U. S. National Museum collection contains several specimens of this species labeled, "In dung in the den of *Marmota*," collected by Mr. H. S. Barber at Plummers Island, Md., June 15, 1911.

The larvae of *Pegomyia* are generally known to be leaf miners. The larvae of the family Anthomyidae are rather variable in their habits and it might be of interest to mention the habits of some of the other genera which are as follows: *Hydrotaea* in cow-dung and human excrement; *Ophyra* in human excrement, cow-dung and human graves; *Fannia* in human excrement, dead fresh-water shells, fruit and vegetables just beginning to decay; *Hyetodesia* in cow-dung; *Mydaea* was reared from nestlings of *Spermophila* sp. and nestlings of the nightingale; *Limnophora* in human excrement; *Anthomyia* in roots of cabbage and radish; *Hylemyia* in human excrement and in swelling on the wing of *Picus striatus*; *Hammomyia* is parasitic on bees; *Phorbia* is a root miner in cabbage, radish, cauliflower, turnip, winter cress, hedge mustard, celery, onion, beans, potatoes, corn, raspberry, young wheat plants, stems of *Lupinus albus* and human excrement; *Fucellia* in seaweeds and other refuse.

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At Lyme, Conn., May 13, 1918, the writer was collecting in a field where there were numerous burrows of the % common ground hog, *Marmota*. Numerous specimens of *Pegomyia a finis* Stein, a common fly of the family Anthomyidae, were found flying around the openings of these burrows. On investigation I found pupae in the loose earth which was thrown out around the burrow opening. A few days later the adults of this fly emerged. There were no traces of excrement or any decaying material in this loose earth that I could see.

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