

and America. I believe, with this paper, to have discussed the principal points where Lederer cannot be followed. I may say, in conclusion, that my former use of *Parastichtis*, Hübn., Verz., type *suspecta*, is warranted, since the other species follow *didyma* to *Apamea*, Ochs., 1816, nec Lederer.

SOME SPECIES OF DIPTERA INHABITING OR FREQUENTING THE WHEAT FIELDS OF THE MIDDLE WEST.

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The swarms of small Diptera that are to be found in the fields of fall wheat in Ohio, Indiana and Illinois, during late autumn and in early spring, seldom fail to attract the attention of the entomologist who has occasion to visit these fields at the above mentioned seasons. That some species are attracted to these fields as mere visitants is indicated by the accompanying list, but that many others breed there, either upon the living or the dead portions of the wheat plants, is as clearly apparent.

It has been my custom each year to sow a small patch of wheat as early as possible, in order to attract the various inhabitants among insects, in order to study them. In August, 1897, a small plat of wheat was sown at the Experiment Station at Wooster, Ohio, and late in the fall, under my direction, a large number of these plants were transferred to a breeding cage in the insectary, and the results of this breeding were carefully watched by my former assistant, Mr. C. W. Mally. During the following April the various experiment plats of wheat were swept with an insect net and the results properly preserved.

From the wheat plants enclosed in a breeding cage, in the insectary, there emerged, during December, the following species of flies :

<i>Cecidomyia destructor</i> , Say.	<i>Oscinis dorsata</i> , Loew.
<i>Cecidomyia</i> , sp.?	<i>Oscinis coxendix</i> , Fitch.
<i>Diplosis</i> , sp.?	<i>Oscinis umbrosa</i> , Loew.
<i>Sciaria</i> , sps.? (2)	<i>Oscinis carbonaria</i> , Loew.
<i>Phorbia ruficeps</i> , Zett.	<i>Oscinis trigramma</i> , Loew.
<i>Phorbia cinerella</i> , Fallen.	<i>Ceratomyza dorsalis</i> , Loew.
<i>Meromyza Americana</i> , Fitch.	

From the same lot of wheat plants there appeared during the following April :

<i>Diplosis</i> , sp.?	<i>Oscinis carbonaria</i> , Loew.
<i>Chironomus</i> , sp.?	<i>Bibio pallipes</i> , Say.