

hindered by the lack of such a source of reference. There are five plates, four of sexual and other characters and one of an ideal agrotid, showing the normal maculation and habitus, with the proper names for the different constant markings, which will be of great service to students.

CATALOGUE OF INSECTS FOUND IN NEW JERSEY, 8vo. Trenton, pp. 486, 1890. By John B. Smith.

The above catalogue is issued by the Geological Survey of New Jersey and is a publication of much interest. Local lists are of great value when carefully prepared and Prof. Smith seems to have used the facilities he possessed to great advantage. Being well acquainted with all the leading Entomologists, both from the public positions he has held, and also as editor of *Entomologica Americana* he has been able to avail himself of the assistance of specialists in all the different orders. This catalogue is a valuable contribution to the Science of Entomology in North America, and we trust that ere long many others of the States will follow the good example set by New Jersey. 6,098 species are recorded as occurring in the State.

PLANT LICE AND HOW TO DEAL WITH THEM, by John B. Smith.

This is Bulletin No. 72 of the New Jersey Agricultural College Experiment Station. It is a pamphlet of 27 pages and is illustrated with 16 exceptionally good illustrations, all of which are original. The insects treated of are the Wheat Aphis, which, as well as its parasites, is fully described, the Cabbage Aphis, the Black Peach Aphis, the Cherry Aphis and the Melon Aphis. In all cases the best remedies are given and the method of their application is described. For such plant-lice as attack vegetation above the ground, Kerosene Emulsion and Whale-oil Soap are recommended, and for those species which attack the roots, periodical dressings of Kainit or Potash were found effective. This substance not only acts as an efficient fertilizer, but also destroys many of the plant-lice. The application should be made just before a rain, if possible, so that the salts can be at once dissolved and carried into the ground.

This bulletin will be read by many with great interest, and from the language in which it is couched it can be understood by every one.