thence to inner margin, somewhat quadrate in form ; lines light gray, not well defined, the basal with an outer angle at middle and towards inner margin ; outer line rounded from costa to centre, then angled outwardly, then nearly straight to inner margin, all faintly serrate; discal spot distinct ; outer line edged both sides with darker fuscous. Hind wings ochre-fuscous, dark iridescent at apex. Beneath even dark fuscous, hind wings somewhat lighter than fore wings.

Charlotte Harbor, Florida. One ♂, from Mrs. Slosson.

CANADIAN COCCIDÆ.

III. A LECANIUM, PERHAPS IDENTICAL WITH L. RUGOSUM, SIGNORET.

BY T. D. A. COCKERELL, N. MEX. AGR. EXP. STA.

I have just received from Mr. James Fletcher a small bottle of scales found on plum at Queenston, Ontario. He writes concerning them : " Dead scales picked from a plum tree in the Niagara district, where it was very abundant on plums and much rarer on peach trees growing amongst the plums."

Directly I saw these scales, they struck me as something unusual, and yet I rather expected they would prove to be some form of *L. persicæ.* Unfortunately they were full of the mycelium of a fungus (doubtless *Cordyceps*), as well as in some cases containing a Chalcidid parasite, so that their specific characters were very hard to make out. The fungus, which must be a very important check to their increase, was not noticed on examination with a lens ; but on boiling the scales in liquor potassæ, they stained the liquor brown, and a microscopic examination showed the fungus quite plainly. Of course, from mere mycelium no determination could be made. I saw in one case what looked like germinating spores, but perhaps in this I was mistaken.

Assuming that the scales were not *persicæ*, I went through the descriptions to see what they would fit better. *Lecanium rugosum*, Sign., seemed the very thing, though comparison in detail revealed some differences.

The following information on *Lec. rugosum* was translated from Signoret by my wife. I transcribe it for the use of those who have not the original :