

of the more matured larvæ; the second the comparatively feeble, and the third the charge of the herds. On the disturbance alluded to, each class immediately set to work in the discharge of its prescribed duty. But as it is to the third class that I shall particularly call attention, I shall be compelled to pass over the two preceding classes, referring your readers to the forthcoming Proceedings of the Philadelphia Academy of Natural Sciences, where their habits will be found minutely detailed.

But now to the third class. When the disturbance took place, its individual members were so intent upon soliciting by their caresses the much coveted sweet, most likely to be used as food for the young larvæ (but this I could not determine at the time), that they did not seem to notice the invasion of their jurisdiction. When fully aware of the fact instead of leaving their flocks at the mercy of the invader, and seeking their own personal safety by flight, each manifested the deepest concern for the little creatures who pandered so willingly to their temporal welfare. As if conscious of the debt of gratitude which they owed to them, they carried them down into their underground dwellings, where they found them comfortable quarters. Here it is plain that these tender creatures receive as much, if not infinitely more, care and attention than man is apt to bestow upon his flocks. Whether they bring the food to them or not it is not my province to say; but this I do affirm, that the galleries of *F. sanguinea*, whenever I have observed plant-lice therein, have always been constructed where these little creatures can find an ample supply of natural food. It may be probable that the lice are carried to the food; but that they are escorted to it by the ants is highly certain, as the slightest disposition to stray away by the more roving ones, is instantly checked. But on the whole, it cannot be denied that under the rule of their peaceful masters—the ants—they lead happy and prosperous lives.

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## NOTES ON COLLECTING.

BY W. V. ANDREWS, NEW YORK.

I can endorse (not necessary of course) Mr. Mead's "Notes on Collecting," pub. p. 78, vol. 5 of the "Entomologist," with right good will, having used similar methods myself for several years. I think I got my idea from D. Girard Knaggs.