

soot, used as a preservative compost, are healthier, although surrounded with diseased vines."

We give the above extract for what it is worth, and hope some of our correspondents will try soot and report the result to the Department, as we have scarcely any of these destructive insects in our own immediate neighborhood. In reference to this insect, the grape-root gall-louse, the Department has received a very interesting letter from Mr. George W. Campbell, of Delaware, Ohio, in which he expresses his opinion that the aphid (*pemphigus*) affecting the leaves and that upon the roots are not identical. He says:

"I have since then found in two instances what were doubtless eggs of the *phylloxera* (root-gall-louse) upon diseased roots the same as those within the galls, but solitary, and not in clusters as in the galls. This, I think, settles the question that the aphides infesting the roots are propagated under ground, upon the roots, and that they are probably not the same as are propagated in the galls upon the leaves."

Mr. Campbell also sent specimens of the roots injured, together with numerous root gall-lice clustered upon them, but although carefully examined with the microscope, we failed to find any eggs whatever upon the roots sent. These roots, however, have been planted just as received, with the insects upon them, in a flower-pot, and placed in a large wardian case in close contact with other pots containing healthy vines, in order to find out if the insects will pass from one vine to another during the winter, and if the healthy roots will next season be infested with either root or leaf gall-lice. We give Mr. Campbell's remarks merely to stimulate further inquiry into the identity of the two insects, as many naturalists have stated them to be merely varieties of the same insect. In France, it appears that flooding the vineyards at certain seasons to drown the insect out has been recommended, but this plan, even if successful, could only be carried out in level places, and could not be adopted in side-hill vineyards. — *Monthly Report of the Department of Agriculture.*

CORRECTION. — We would draw attention to an error which appeared in Dr. Summers' advertisement last month, and which will be found corrected in the present issue. It is in reference to the time up to which shares may be secured of the material to be collected in the lengthened tour he is about to undertake. It should be up to *December, 1874*, instead of April; after that date specimens only will be for sale; we have a few yet to dispose of, — parties desiring them will please address our Secretary.