

DISCUSSION.

W. S. Blair.—Do you think that if the copper sulphate is dissolved and allowed to remain in the cask—stock solution—that the copper sulphate will deteriorate?

Prof. Sears.—Only after it is mixed.

W. S. Blair.—Have you had any experience with Plumatus?

Prof. Sears.—No.

W. S. Blair.—What mixture would be the best for that?

Prof. Sears.—I should think some form of kerosene Emulsion or kerosene mixed with water. I have never had any experience with it.

W. S. Blair.—I have used tobacco water. One mixture I put a little soft soap in. Do you suppose the lye in it would injure the leaves? I think it would.

Prof. Sears.—I have seen leaves injured by it.

W. S. Blair.—What strength do you think would be the best?

Prof. Sears.—I think it is difficult to gauge it. Do you use the stems?

W. S. Blair.—Yes.

Prof. Sears.—I tell the strength by the color. I boil the stems and dilute them with plain water.

W. S. Blair.—I use 10 lbs. of stems to a gallon of water, but I have had the best success with Kerosene Emulsion.

C. R. H. Starr.—I used Pure Arsenic with very satisfactory results. From memory I cannot give you the formula. It certainly is very effective and I think with much less risk of injuring the leaves. I regard it as a better solution in every way.

Dr. DeWitt.—Did you use pure arsenic or did you put soda in to neutralize it? I think that is the method, where arsenite of soda is used and arsenite of lead, as well as the arsenite of copper, which we have used for a long time in the Bordeaux Mixture. I believe we always have had to use an alkali for neutralizing. We can readily see why soda can be used as an alkali with arsenic.

C. R. H. Starr.—Yes, but I cannot give you the formula from memory.

Prof. Sears.—How did you use lime with it, in the same way as with Paris Green?

C. R. H. Starr.—Yes.