

heat of the day has gone past before the colony is warmed up right.

Mr. Pickett—It is a question whether the solar heat is any benefit or not, unless it is sufficiently strong to induce to have a fly, if it is only sufficient to cause a commotion, and cause the breaking of the cluster. It strikes me that solar heat is rather detrimental than otherwise.

Mr. Gemmell—I am trying a little of it this winter.

Mr. Heise—I understand that it will be necessary to have a committee to wait upon the Government to secure an increase of grant, and I therefore move that Mr. Holtermann and Mr. Pickett be recommended for that purpose.

Mr. Pickett—I prefer that we get along without it. If it is an absolute necessity, then perhaps we had better appoint a committee.

Mr. Evans—The Committee might ask the Government to make that \$650 grant the regular grant.

Mr. Pickett—I think this additional grant will be forthcoming. In case it is not, they can communicate with the Minister of Agriculture and find out whether it is an established fact or not, as I understand it, we expect it as a matter of course.

Mr. Holtermann—It might not be necessary to go to Toronto at all, but the way the matter stands at present I know that the idea was that the \$150 would be for that year, and was only put in the supplementary estimates.

Mr. Frith—I think \$650 ought to be the regular thing. I think we are entitled to it.

Mr. Darling—As I see the state of our finances now I think we need not be ashamed of our past year's records. And I do not see how we can give our local Associations anywhere near the \$20 we are supposed to give them unless we have an increase of grant from the Government. Motion carried.

Moved by Mr. Pettit, seconded by Mr. Pringle, that Dr. Mills be the Director of this Association to represent the Ontario Agricultural College staff.

Moved by Mr. Hall, seconded by Mr. Heise, that the best thanks of this Association be tendered to the citizens of Brantford the mayor and to the hotels, for the accommodation they have given, and the Telephone City Quartette, and the Press. Carried.

Moved by Mr. Pringle, seconded by Mr. McEvoy, that the resolution of condolence with regard to the death of Mr. Cornell be incorporated in the forthcoming report. Carried.

Mr. Pettit—I would like to ask the ques-

tion, do bees that winter right in the cellars break cluster?

Mr. Pringle—They do when the time comes for breeding, towards spring, until that time comes if the conditions are right, and they are wintering properly, the clusters won't be broken. They have to have feed occasionally, but it does not mean to break cluster in your sense.

Mr. Pettit—It has been suggested that they do break cluster and clean up house, and change their stores. I used to have that idea, but I have been watching them for two winters, and I have come to the conclusion that bees which are wintering right do not break cluster till they are set out. I go into my cellar twice a week, take a light, lift the hive from the bottom board and I find it in the same situation for weeks, and weeks, and I never found them to break cluster so as to be scattered around on the frames. How is it that you find dirt dragged out and dead bees dragged out? My present impression is that just a few bees do that work and the rest lay perfectly quiet. I believe from my observation that when you find bees scattered they are not just right, they are breeding and taking harm.

Mr. Pringle—There is one thing that I cannot agree with you in, of course it may be different in your locality, you say you do not expect them to breed before you set them out. That would not answer my case I do not set mine out sometimes until the last of April. I have set some out on the 16th of May; there is no time between that and the honey harvest to breed. If I find the colony do not require setting out, if the weather is unfavorable, I leave some in very late. I have began setting out bees about the 10th of April and have extended it up to the 16th of May.

A Member—I would like to know from those that winter in the cellar and also out of doors, which they prefer, and a few reasons for their preference.

Mr. Hall—My views for the last five years have been that the cluster stays about as it is, when they get nicely settled down after being two or three days in the cellar until February, and then that cluster does not scatter all over the hive, but keeps growing and growing, those that were only medium, perhaps touch the bottom board with three frames. I can only account for this by their starting brood rearing and extending the number, and therefore they have to extend the cluster. I believe they stay in the cluster they have no occasion to move except those that want to die. My furnace is in my cellar, and I have to go down once a day to attend to that, and in the evening it is very tempting to go down