

daylight till dark.

Mr. Smith : I have bees both under trees and in the open and some are in the shade all day long and I have never seen any material difference in the amount of surplus honey.

Mr. McEvoy : No, that is so, none whatever.

Mr. Brown : That has been about my experience. I find a man is a great deal better off when he is under the shade than in the open.

Mr. Dickenson : I think shelter is an important thing in connection with bees that are out—shelter on the west or north side. There are rows of hives in my apiary under the shade of apple trees and also rows in the open which I try to shade as much as possible. I don't see there is any material difference; if any at all, I think it is in favor of those that are shaded, that are under the trees; that is, in the quantity of honey.

Mr. Darling : I have not been trying any experiments, but there are somewhere about a dozen swarms this year left under apple trees and I found that the heaviest colony I had in the yard was one of the hives sitting under an apple tree. I think, take them right through, that those under the shade would hold their own with the others.

Mr. McEvoy : Mr. Dickenson has good chance to know. He has about 50 colonies in an apple orchard; part are under trees in rows and part are outside.

Mr. Fixter : An apple orchard is quite different from large elms and maples.

Mr. Miller : It was only an orchard and reference to.

Mr. Dickenson : In the discussion, I had principally in my mind orchards.

Question 6 : In wintering outdoors is it advisable to pack the bees for wintering prior to November 1st?

Mr. Miller : That would depend on the weather. I like my bees packed by about the 20th October in case of damp chilly weather. If it remained bright and reasonably warm I see no reason why it would be any harm to leave them; they could be packed dry the 1st November.

Mr. Shaver : You wouldn't want them disturbed much in packing after that time.

Mr. Miller : Not later than that. Of course, you couldn't pack them without disturbing them more or less.

Mr. McEvoy : I think Mr. Shaver had reference to late packing, disturbing them in cold weather.

Mr. Holtermann : There is an important point there that has not been touched upon I think and that is in keeping the stores in proper condition. When you pack early—and I can see no objection to even October 1st—then the bees being warm will spread more over the combs and they will keep the stores in a better condition for winter, whilst if you let them stand outside and they are exposed to the dampness and cold in the fall of the year the bees contract and the honey takes up a certain amount of moisture and becomes thinner and is less fit for stores for the winter. So I believe the right thing to do is about as early as you can, get them in condition for wintering and then pack them. I don't know whether there is any reason for it or not, but the policy I have pursued is to keep off a portion of the top packing until later; there may be nothing in that, but that is what I have done, and then when the cold weather came I added to the top packing.

Mr. Chrysler : I like to see chilly weather, quite a little freeze, so that they will cluster up in the smallest space possible. I find a great many times that they will spread over—there are some bees that do not clust-