Mr. Hirschiser-There is one point that Mr. Holtermann din't bring out. and that was in building up 'the medium colonies instead of the weakest. Supposing you have a good queen in a weak colony and the season comes along, and there is not enough bees in there to take care of the brood that that queen naturally produces, so that in that case we actually gain in the apiary by taking a frame from that weak colony and taking it to a strong colony that can take care of it, and it leaves that colony we have taken that frame from in better condition. I find I can build up an apiary in bad condition by taking from the very weak and building up the medium, because we give that good queen in the weak colony a much better opportunity.

Mr. Saunders-What do you mean by sufficient super room?

Mr. Holtermann-Well, there is a point that I see in the prevention of swarming. A queen will lay and there is a certain amount of increase going on, and if you have a limited worker force in proportion to your brood chamber, then the worker bees are not dying off nearly as rapidly as the increase is going on, but as you increase crease your working force the proportion of dying bees is greater than with the more limited brood chamber, and you can get that condition where your brood is going on at a certain rate, and if the two balance one another as nearly as possible you can then control the swarming to a certain extent.

Mr. Saunders-How much does each super hold in honey?

Mr. Herschiser-About 80 pounds.

Mr. Holtermann—We don't extract till the close of the honey season, is in that way you don't give the bees the same violent stop as you do by taking out the honey every now and then.

Mr. Dickinson-I take no honey when the honey season is on except from the second super, and I endeavor to have that taken off when it is ripe.

Mr. Armstrong-I think that is a isd a good crop. good point that has been brought out momb and extract I have tried that myself. I used is ind 100 pounds per think just as soon as a super is ready fiths of that or off it must come. I used to think that honey. I ran some but that disturbs my colony of teas by extracted honey and it wont do the work it would. I didn't swarm. I you place a super with no honey is more and four brow it doesn't disturb them, and you don' ight-frame Lang stop the working force at all.

Mr. Lowey—I like to leave the hone just as long as possible for the sat of the honey. Even comb honey, favor leaving it as long as possible i is a better flavor.

Mr. Whiteside-It seems to me the could be some convenient way of dia nosing a hive that would save a lot We must go over 60 or . trouble. hives a day, and if we raise the cov on one and see cups, and raise a other and see them there, that show be all we would need to see. If could get in a way of diagnosing yard and looking at one or two would save a lazy fellow like mealot trouble. I think we can tell pret near the condition of a hive by loo ing at one or two combs.

Mr. Holtermann-If you have o spot that is near the centre of i brood chamber and you look at it spot that brood is all right, but in ordinary hive you simply look on o or two combs, I find it is a mistake The President-I see Mr. Boy of Nicara Falls and perhans

of Niagara Falls, and perhaps would say a word or two on the s ject.

Mr. Bowen-Mr. President, of concontrolling swarming in comb has and extracted honey is an entirely ferent thing. I run only a smaller portion of my apiary for extra honey, perhaps ten or fifteen per o of the number of colonies. I was der the impression that you extra

honey men had no Ididn't have a si had a good crop. for extracted hones iidn't swarm. I supers and four bro ight-frame Lan langstroth frame wuld be full of b e no' swarming. hem that are pret in, but most of ybreds, a greater n blood. But for low how to pr m't do it unless tificially. That m't do anything m ventilation. nce, and I give e back at all, ne back ventila nds in an orcha e trees, but some honey are in the out five weeks sn't do that alv Mr. Holtermanne locality.

The President-Is tween the fruit ere is no honey Mr. Bowen-Ust eks. After the b but the clover. The President-If gs along till th pretty hard to Ir. Bowen-This e enough betwe d the clover flow the honey they t I was 'contemp he President-V sed with Mr the discussion,

138