

Cyprian blood than with the Italians alone. They have really proved to be the strongest honey-gatherers I have had. I do not like the stinging qualities of the pure Cyprian. I have crossed them somewhat with Italian-hybrids. If I had crossed them with the Carniolans, which, I believe, is the favorite cross, they would be pure hybrids. These Italian crosses with Cyprian have proved to be best bees in my hands.

J. F. Flory—Are they not crosser than the Italians?

Mr. McIntyre—Yes; I think you can not add Cyprian blood without adding a little temper. I think probably there is a little Cyprian blood in the queens. Those are selected from may be 10 to 20 generations bred in my own apiary, and I can not tell whether there is Cyprian blood in a queen, but I pick her for her business qualities. I would not take a queen that would sting me all to pieces; I would not breed from such a queen. I want them to be easy to handle, nice in color, and I want them to be great honey-gatherers. Those three points are about all I look to. I cannot ask a queen whether she has any Cyprian blood in her or not, if she is easy to handle.

Geo. L. Emerson—I have not much to say, but I was interested in this cold-knife proposition, and thought perhaps we might get a little more information. Mr. McIntyre is a very large honey-producer. We have never been able to use a cold knife with any degree of satisfaction whatever. We seem to have a diversity of opinion here. There may be some that think they will have to change and use a cold knife instead of a hot knife. If they are going to do that they ought to know how to do it. If there is any way Mr. McIntyre can show me how to get away with

that gasoline stove, I would like to have him do so; but we must have the same quality of work, even if we are a little warmer in doing it. I believe that is all.

T. O. Andrews—I was going to say if there was crossed blood in those queens Mr. McIntyre sent me they are the most uniform I ever got together. So I thought they were pure Italians.

H. H. Hyde—I would like to know if Mr. McIntyre has ever used shallow frames for extracted honey 5½ inches deep.

Mr. McIntyre—No, I have had some frames 7x17. They would do very nicely to extract from, but they did not suit me for brood-chambers so I have only the 10-frame Langstroth. We usually manage to get them down near the super, which is so much heavier; get the combs out and extract them about from eight to ten days, according to the way the honey flows.

Mr. Hyde—We have used both shallow and Ideal supers, and we have concluded we can handle more conveniently, and quicker, by using the Ideal super for extracted honey and, in extracting, we have a large extractor that takes two frames each basket. When we come to uncapping we can uncapping one side, and not go over it twice. But the principle is in not using the Porter escape at all. One man simply takes hold of the super, the first man smokes it freely. One man gives it a wobble. In a few minutes we take it in the house, and then can take the super about as quick as a frame, and we consider it quite a gain also in uncapping.

Charles C. Schubert—I would like to ask whether Mr. McIntyre uses bee-escape? also whether he has entrance to the super above queen-excluder?