

EUGENE SECOR, FOREST CITY, IOWA.—I do not know positively, but I do know this:—There is an apiary about two and a half miles from mine where there has been no attempt to Italianize, and yet his bees show a good deal of Italian blood.

R. F. HOLTERMANN.—(a) Do not know—would say ten miles would likely be safe; and it would depend on the physical features of the country if hills or mountains divided less would do than at level country. (b) Do not know.

J. K. DARLING, ALMONTE.—This is a question that would be hard to answer. Have had no positive experience, neither have I tried any experiments, but I am satisfied that I heard a "drone meeting" one day last summer, when nearly three miles from my apiary in a straight line; and there was no other large number of colonies any nearer. I do not think you would be safe at a less distance than seven or eight miles.

G. W. DEMAREE, CHRISTIANBURG, KY.—Well, this is an old question in modern bee culture. Just how far a queen may sometimes fly when driven by necessity no one will ever know; but long experience has taught me that queens do not fly any great distance when there are drones in the apiary from which she takes her flight. I have reared Italian queens largely within from one to two miles, of black bees, with less than five per cent mismating. I should say for all practical purposes three miles would be a safe distance. The main point is to have lots of pure drones in your own apiary. Those persons who have told big yarns about queens and drones mating at a great distance only guess, and their guesses go for nought with me.

D. A. JONES, BEETON.—We have known Blacks, Syrians, Cyprians and Carniolans to mix, when from five to ten miles in favorable localities. We do not even consider five miles safe unless on water, and we have had Carniolan queens mate with Syrian drones, and Carniolan drones mate with Syrian queens about seven miles. We have one instance where we know positively that black bees were crossed with yellow bees between twelve and fourteen miles—most of the country was cleared between the two points, except one large piece of bush. The black bees were on a very high ridge of land, and the yellow bees were also on a height of land. As the drones flew out from either apiary the other one was in plain sight on the side hill in the distance.

The *British Bee Journal* says that cork dust is superior to chaff for cushions to put over hives. Of course it is; it absorbs more moisture, is less liable to mould, and retains the heat well, but it should not be too coarse. Almost every town in the country that sell grapes and Southern fruits have them come packed in cork dust. This dust can be procured at a very trifling sum.

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D. A. JONES, - - - EDITOR-IN-CHIEF.

F. H. MACPHERSON, - - - ASSOCIATE EDITOR.

BEETON, ONTARIO, AUGUST 15TH, 1891.

In order to supply the demand for labels, we have now about 1,000,000 in stock.

The best trade mark for honey is a superior article and your name attached to it.

The perforated metal queen-excluding honey boards have settled the question of egg-laying in this section.

The honey report seems to be coming in very slowly this year. A good many consider it a little early yet.

Prof. Cook of the Agricultural college Michigan, is a strong believer in raising the hive three inches from the bottom board.

Wide sections are going out of use very fast in Canada. We wonder how long it will take people to learn that narrow ones pay best.

Force pumps are beginning to be more appreciated. Now as the honey harvest slackens and robbers are more plentiful, its use is almost indispensable.

Jas Heddon thinks his new divisible brood chamber will winter bees singly, as well or better than any other. For large colonies he should have two.

France has decided to exhibit at the "World Fair," Chicago. If Dr. Mason has the bee department, if everybody does not exhibit, it will be their own fault.

A good smoker is a good investment, but its merits are not fully appreciated until you have the best dry fuel for it. If thoroughly dried in an oven, it will well repay the trouble.

In making up the forms for our July JOURNAL the foreman omitted to put in W. H. Laws' Lavia, Ark., advertisement. We are sorry, indeed, for the omission, as a large number of queens that Mr. Laws has sent into Canada, as far as we can learn, have given splendid satisfaction. We introduced several into our own hives to test them, and the results thus far are all that we could expect.