

old bees will return to the original location. If it be moved a long distance, say 10 miles, none will return. At what distance will they cease to return?—S. J. C.

R. MCKNIGHT, OWEN SOUND, ONT.—Answer who can.

G. M. DOOLITTLE, BORODINO, N.Y.—Few, if any, will return if moved a mile.

S. T. PETTIT, BELMONT, ONT.—Don't know. Have had a few return when moved one and one-half miles.

O. O. POPPLETON, WILLIAMSTOWN, IOWA.—Have never moved bees a less distance than three miles, and have found no difficulty at that distance.

DR. J. C. THOM, STREETSVILLE, ONT.—I should say three or four miles away none would return, at least not in sufficient numbers to weaken a hive.

PROF. A. J. COOK, LANSING, MICH.—We are now carrying on an elaborate series of experiments, that we may be able to speak with authority on this point.

H. D. CUTTING, CLINTON, MICH.—It depends on the time of season. If early in spring, you can move almost any distance, if you place some obstruction in front of entrance; late in the fall the same.

M. EMIGH, HOLBROOK, ONT.—I don't think all the old bees will return when moved a few yards, if properly handled. Don't know the exact distance at which they cease to return; think one and one-half miles would do.

S. CORNEIL, LINDSAY, ONT.—I do not know the shortest distance at which they will cease to return without special precautions being taken to make them stay. By shaking all the bees into one of Doolittle's nucleus boxes and then allowing them to cluster in a cool place, moving them in like a new swarm, they can be made to stay anywhere.

ALLEN PRINGLE, SELBY, ONT.—No definite answer could be given to this, because so much would depend upon the circumstances. At a distance of only a few yards, some of the bees accustomed to leave the hive to work would return, while others would not, depending upon age, etc. Special treatment would have much to do with it too, as, for instance, leaning a board against the front of the hive, smoking them, etc.

DR. C. C. MILLER, MARENGO, ILL.—I think it would depend much on what the bees had been doing. If they were moved four or five miles to a field where the bees had been at work the day before, I should think they might return to their old home, as they would only have to return a road they were familiar with, but I may be mistaken. Ordinarily I should feel safe in moving them one or two miles; in early spring much less.

J. E. POND, FOXBORO, MASS.—I have had occasion to move bees a mile several times and found that practically none went back to the old stand. Last summer I sent a colony about one-half mile and found quite a number returned. I think from the above experience that one mile is about the distance inquired about. This, however, where no precautions are taken. I move bees in my apiary from one spot to another and have no trouble in their returning, but a little precaution is used to prevent them from so doing.

FUEL FOR SMOKERS.

QUERY No. 82.—What is the best fuel for smokers, and where is it obtainable?—J. F.

G. M. DOOLITTLE, BORODINO, N.Y.—I use partially decayed maple, beech, or elm, found here in our woods.

M. EMIGH, HOLBROOK, ONT.—Rotten maple or elm answers me, if not too soft or too hard; it is obtainable in almost every bush in Ontario.

H. D. CUTTING, CLINTON, MICH.—Dry dozed elm is the best I have found for a good practical smoke. You can obtain it in almost any wood pile containing elm wood.

O. O. POPPLETON, WILLIAMSTOWN, IOWA.—Partly rotten elm wood gives me the best satisfaction. Get it in the woods near by. Partially decayed apple wood is also good.

R. MCKNIGHT, OWEN SOUND, ONT.—The dozed but not fluffy maple usually found in a pile of dry fire wood,—or the fungi found on decaying elms, cut fine, being thoroughly dried either before or after it is cut.

PROF. A. J. COOK, LANSING, MICH.—See what James Heddon says in his new book on shavings. My brother hit upon the same device to give abundant and long continued smoke, before Mr. Heddon made his report. He says it is *par excellence*.

DR. J. C. THOM, STREETSVILLE, ONT.—The fuel I mainly use is cedar bark bruised up into