

having been deposited in the wood, the latter growing about it and allowing in some cases an escape of liquid that is greatly esteemed by ants and certainly tastes like honey. Filling their bodies with this material, the workers proceed to the storeroom where the bottle ants are kept and deliver it up to them, the receptacles receiving so much that they become distended to an enormous extent, as we have seen, and are incapable of movement to any great degree. The bodies upon examination seem particularly adapted for the purpose, being covered in their normal condition by several plates that spread apart when the abdomen is distended. How long these living bottles hold their store is not known—undoubtedly indefinitely. When the other ants want to draw their rations they proceed to the dark chamber, and a supply is forthwith given up. Such an arrangement seems to show that ants have much more intelligence than they are given credit for, as all their movements cannot be instinctive. In Colorado their nests are quite common about the Garden of the Gods, and the tunnels that they form often penetrate considerable distances into the rock, and the work in arriving at the chamber where the honey bottles are hung is one of no little labor.

QUERIES AND REPLIES.

UNDER THIS HEAD will appear Questions which have been asked, and replied to, by prominent and practical bee-keepers—also by the Editor. Only questions of importance should be asked in this Department, and such questions are requested from everyone. As these questions have to be put into type, sent out for answers, and the replies all awaited for, it will take some time in each case to have the answers appear.

Perpetual Summer For Bees.

QUERY No. 181.—Is southern latitude or perpetual summer more favorable for bee-keeping than the central, or more northern part of North America?

O. G. RUSSELL—I think not.

DR. C. C. MILLER—I doubt it.

H. D. CUTTING—I should prefer a more central location to either extremes of north and south.

M. EMIGH—I think not. The bee-keepers in the south have their draw-backs as well as those in the north.

G. M. DOOLITTLE—As to wintering, yes. As to honey getting, no. Latitude 38 to 44° north, gives the best returns in honey of any place in North America. All in all I would prefer about 40° north latitude.

S. CORNEIL—Fruits and cereals attain their highest perfection when grown near their north-

ern limit, and the same is claimed by some for honey. I have never seen much southern honey and do not know how it compares with ours.

ALLEN PRINGLE—Without having had experience in the Torrid Zone in bee-keeping, I should think the most favorable place would be a temperate climate where the desired flora abounds; say nine months in the year, and the perplexing wintering problem becomes practically no problem at all.

PROF. COOK—I think, perhaps, not on the whole; for though there is no danger in wintering, I think, on the whole, the honey from colder regions is finer. I may not be warranted in this opinion by facts. I have just received some very nice honey from Cuba, and I have eaten as fine honey from Southern California as I ever tasted.

Best Latitude for Wintering.

QUERY No. 182.—Do bees winter better in a central latitude where they can get occasional flights, or in a more northern latitude where the temperature is steady cold and the atmosphere dry?

DR. C. C. MILLER.—I think in a central latitude.

G. M. DOOLITTLE.—Central every time, as the winters of the past prove abundantly.

S. CORNEIL.—If I had a choice I would prefer the latter conditions.

O. G. RUSSELL.—I think they usually winter better where they can get occasional flights.

H. D. CUTTING.—From the many reports from year to year it is said bees will winter better in a central locality.

PROF. COOK.—Most decidedly, unless we supplement the unfavorable condition north with intelligent skill.

M. EMIGH.—If bees are wintered in the right kind of a repository they can stand it six months without a flight all right; if you mean outside wintering I would take the central, otherwise the northern.

ALLEN PRINGLE.—As a matter of fact I believe they do winter better in the central or milder latitude, but in my opinion we shall soon get the necessary conditions of successful wintering so nearly perfect that the "steady cold" will cease to be an obstacle.

Humidity for Wintering.

QUERY No. 183.—Which is best for indoor wintering, or anywhere, a dry, medium or damp atmosphere?

DR. C. C. MILLER.—Perhaps medium.

O. G. RUSSELL.—I prefer a medium