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water in their clusters operates to more advantage at low temperatures. There would be no condensation of 00000 moisture on the walls of the hive. If we cover the brood chamber of a hive always in winter with a pane of glass there keepers. said, to will be no condensation on the glass reasons so long as the bees are in their winter en their clusters, but condensation will take o spare, place when the bees raise the temper-tore ten sture of the hive above that of the air. consume In hives with inclined floor boards ntingen from the hives. It is most apparent will not inspring, but sometimes seen in sumters, but per and fall. I have never seen the h to last lees touch this water, and I take it ummers hat for some reason bees will not climate make use of the water from conden-inter to sation on the wall of the hive.

honey, but they would raise more

brood, as their method of distilling

If we cover the brood chamber of ey out hive in summer with a thin sheet of cotton or linen cloth so as to give improve the bees time to fasten it and to want in plaster the underside with wax and in wint populis the bees will winter safely in red for the hive; and it will make no difference s. The the bees whether quilts are placed n must be wer the cloth or not. If we give the in some bees no time, however, to make the of the brood chamber tight, but e or other the fall cover with loose quilts and t is smill confi cushions the strong winter wind all sometimes blow through the hive f bees it the bees will not winter well. It nd open be necessary to keep a crooked f the gl e to pull out dead bees at the ive plat marance, but a colony wintering it off perly will have no dead bees to pull vo orth at the entrance. ould be

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he bees commence foraging in ng for some time before they andon their winter clusters, and as cannot raise brood in spring, to extent, without bringing water the hive, one of their first efforts find water. They will carry no r from running brooks or creeks

because the water is too cold, and they will not take water placed for them in the apiary for two reasons, one is that it is also too cold, and the other is that the bee-keeper nearly always puts salt in the water, and the bees want no salt. Bees will take honey mixed with turpentine and carbolic acid but it is the honey they want and not the other ingredients, and they have been known to take enough honey dew into the hive to kill the colony, showing that the old bees can carry poisions that will kill the young bees. What the bees will not take when mixed with honey has not yet been found The bees in spring try to find stagnant pools in which fermentation and decomposition have raised the temperature of the water above that of the air. The more the pool is teeming with animal and vegetable life the warmer will be the water, and the more the bees will resort to it. That they sometimes carry disease into the hive from stagnant pools there can be little doubt, but they will not carry cold water.

There is an effection of the bees in Australia which the bee-keepers there call the "disappearing trick." The bees of strong colonies in spring will in a very short time nearly all disappear, while, strange to say, the weak colonies will not be affected. The bees in strong colonies leave their clusters much sooner, and often to their disadvantage, than the bees in weak colonies, and are then, for raising brood, wholly dependent on water from outside. When bees go out hunting for their accustomed warm pools, and cannot find them. they likely do not return to the hive. It is astonishing how strongly ingrained in animal nature are acquired instinctive habits. There is in Norway a lemming-rat that occasionally migrates in vast numbers into the sea, and this "dissappearing trick" of the