who sent reports, one would be well within the the limit in stating that there are 100,000 colonies of bees in Ontario this spring. The average number of colonies owned by those who reported is 34.3 each, spring count. Bees have wintered very dell. The 9.3 per cent. loss given by those who have reported is quite light, as some of the most extensive specialists count on an annual 10 per cent. loss in wintering.

Much of the winter loss is not definitely understood, owing to the limitations of our actual knowledge of bee-nature. The reasons given in the report are loss of queens, late weak swarms, starvation, dysentery, foul brood, poor ventilation of the hive or cellar, dampness in hive or cellar, honey dew, robbing, mice, and that indefinite term "spring dwindling." Other cases are covered by the term "winter killed," which is quite true even though of uncertain definition. The whole wintering problem is one of the most frequently stated "difficulties" in the reports.

The condition of bees is very similar all over Ontario. The very warm weather early in March set up breeding and made the colonies strong early in the spring, but very short of stores. This shortage of supplies and the unfavorable weather later cut down breeding, much brood and even whole colonies starved, but not until in some cases a little epidemic of swarming sent many premature swarms out to suffer or starve in their new hive. Those who gave their bees one-quarter as much attention as they would give the other live stock, fed them sugar syrup, and will probably reap dollars for dimes in the clover honey season. In many cases it will take bees at least two weeks into the clover flow to get ready for work.

The proportionate number wintered in cellars and outdoors varies greatly with the latitude. In all the southern and western counties outdoor wintering predominates, while in the north and east cellars are more popular. Some new repositories built above ground are used,

but these do not, as a rule give as good satisfaction as the underground cellar well darkened and ventilated. Bees were removed from cellars earlier than usual this year, because of the excessive heat in March made it impossible to keep them comfortably cool in the cellars. This matter of maintaining a proper temperature is one of the chief difficulties in cellar wintering. A few warm days in March make it necessary to set the bees out, then unprotected hives they suffer in their through the weeks of bad weather afterward. The only way to winter bees in the average cellar is to pack and shelter them warmly after setting them out. This the vast majority of bee-keepers will not do, so we recommend packing them warmly on their summer stands in October, for all except the more northerly counties.

Without knowing what extenuating circumstances there may have been in some cases, we would judge that many who wintered outdoors unpacked their hives too early. There seems no reason why bees comfortably packed on their stands. should be stripped and exposed to the inclement weather of April and the first half of May. Packing cases should be made so that a super could be put in the hive if necessary before it is unpacked. In fact many leave the hives in the wintering cases all summer. If the cases are individual this method has some advantages, but where six or eight are in a case it is decidedly objectionable, both from the standpoint of convenience of handling, and the distribution of disease which may be in the yard. Bee-keeping in some of the best counties in Ontario is greatly hampered by men clinging to these antiquated hives, when a single honey crop would more than pay for convenient modern appliances.

Very little disease was reported. Men are not usually proud of its presence in their apiaries, although the disgrace is not in finding it present, but only in failing to get rid of it. The Cn'a io De-

partment of Agricultum 000 this year in a continuagainst Foul Brood. district inspectors in reports show that therefor them to do. All are being visited first, a wishing to clear up downce of this disease in the should send word to the Agriculture at an early natural that those who quest for the services of the more apt to get the do not.

The report on the r far too great a percenta, man bees kept through While these bees have ities they are no better in any respect except whiteness of capping on they are a sure prey t Foul Brood which has trously over many part States and has done grea parts of Ontario. It is i this dread disease so we Italian bees. On this ac for other reasons, we wo that all apiaries in Ontai as soon as possible.

All kinds of hives are barn' down through twelve-frame. ten-fram Langstroth, the Jones, 1 lup, Quinby and home-n man was brave enough to hives, and the number of was "Goodness knows don't." After all, the 1 one to use is the kind l success with, but when or or is seeking uniformity seems nothing to gain and adopting a hive which is from everything under the The chief difficulties wh

The chief difficulties whave can be summed up in problems of apiculture—