May, 1910

capped, and a comb having plenty of horey, in the super of a strong colony. At the next visit, a week later, bring Italian queens that have been secured from a reliable queen breeder, or good ripe queen cells of your own rearing, and proceed as follows: First examine the two combs of brood and destroy any cells that may have been started because of the excluder separation from the brood chamber. Do this carefully so as not to drive the bees down out of the super. You now have in this super a proper nucleus, with hatching brood and young bees which will not return to the parent hive, and which will easily accept a strange queen, and because of the week's separation from the queen, there is no open brood to perish from neglect. Now set the whole super gently off on a bottom board, contract the entrance to about two inches, introduce the queen or cell, and carry this hive to its own stand wherever desired. Nuclei should be made as early as possible and not as a run later than the middle of July. The safest way to introduce a new queen is to a nucleus, and the safest way to requeen a strong colony is to unite with a nucleus.

Last Words.

A limited number of photographs of Experimental Groups can be used in publishing results. Any that are sent sliculd have name and address of sender written on the back for identification.

It must be remembered that for this experiment all these operations are to be performed only on the colonies of Lot A. If the management of the colonies of Lot B is changed one iota from the old method it will not be possible to make a fair comparison of results.

This method with slight variations could be applied to Comb Honey Production but experiments in that line will be deferred for a year.

If anyone knows a better way to controt swarming than the one outlined

above, or if it looks like too much work, please reserve judgment until you give it a fair trial and afterwards give us the benefit of your candid opinion.

Be sure to have necessary appliances and supplies on hand before the season opens. Always be a little ahead of time with all apiary work.

Examine the bees carefully and study their habits from week to week. After a few years' experience you may be able to prevent swarming and get a good honey crop and leave the bees in the best condition for winter without examining them weekly. But the best training for this is the weekly examination.

Kindly answer to the best of your ability all the questions asked in the enclosed report blank and mail it immediately after harvest to Morley Pettit, Provin-Apiarist, Agricultural College. Guelph, Ont.

OBSERVING CHALMER'S OBSERVATIONS.

Indexed

Orel Hershiser.

Writing in Canadian Bee Journal for April, page 104, Mr. Chalmers testifies in his own behalf, that he has recently "wakened up" and is "completely aroused from his slumbers." But marked symptoms of dreaming are noticeable as he proceeds with his observations, and as this condition of the mind frequently accompanies sleep, it would seem to require the testimony of other and disinterested witnesses to establish a prima facie case of complete awakening. However, it may be only in the seeming and hence a few counter observations.

Mr. Chalmers' wax extracting outfit being adapted to both the hot water and the steam or cold press processes, and his preferring to use it in the latter capacity. is, to me, an indication that he has not gone far enough with his investigations If he will make some further experiments I should expect him to be convinced that

when the pressure is relea gam that is immersed in l it will absorb the water in and the hotter the slumgun idly will it absorb the wat find that when pressure is the hot water as it is expe wax with it and if the pro times repeated, at short int will be washed out within it. Hot slumgum is sponge lations to water. If yo sponge and saturate it wi coloring matter and subm pressure you cannot possi the color. Saturate it w procs again and you will g the coloring matter, and i peas the operation several wash the sponge clean of the is just what happens to sli hot-water press, with inte sure. We wash the wax o within fractional limits only in cappelary attraction in Whether "in Mr. H's eye" elsewhere, the above is ju of slumgum.

Attention may properly b fact that many careful exp sides Mr. Chalmers have ex selves in favor of the hot From writings and translati man Greiner, I gather that use the hot water process or other in preference. Wh paper at the Chicago, c which Mr. Chalmers refers, process was in very limite United States and Canada, was made of it was usual form. Since then there has erable change and now ti press is the first in the list described in nearly all the bee-keepers' supplies and i by many of the most promit ers. If Mr. C. is fully awa call to mind a prominent Ca facturer of bee-keepers' s