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organisms. Trees, plants, ponds, pools, etc., become literally alive with groves and swarms. Through the water many of these forms find their way to the hive, bringing about unsanitary conditions, which, to a greater or less extent, influence the general health of the colony, giving rise to spring dwindling, and possibly dysentry, paralysis, etc.

I have seen yards badly affected with paralysis and dysentry cured in in a few days by feeding artificial pollen and pure water in the hive, when the weather was too bad for bees to fly; or fed in the open air when the weather was fair. Good water, plenty of honey in the field, fresh pollen and hygienic environments, will generally put an end to paralysis, dysentery, and pickled brood.

Apiaries should be so arranged and located that plenty of sunlight and pure, fresh, dry air could circulate through them; the bottom-board should always be dry, even on the underside; many harmful molds and mildews spring up in the presence of heat and moisture, some grow in the dark better than in the light, many spores are carried into the hive and find a suitable medium in which to grow. Highweeds and grass should not be allowed to grow about hives, neither should the shade be so dense that a few hours' sunshine could not dry the ground.

Cheshire found the cause of some of these diseases to be a bacillus which he isolated. I have not been so

flying. Frequently pollen has been gathered from flowers upon which the rain has fallen; this may have had fungi from the branches of the plant or tree conveyed to it by the rains.

The warm, wet weather of spring starts to life thousands of forms of microscoptical animals and vegetable microscoptical animals and vegetable as to isolate a single specie reat amount of that would infect a prosperous colony mentary that with paralysis or dysentry, In fact In pick during a good honey flow, with a rely affect prosperous colony and proper same much the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in the tation, it will be found a difficult task in th one that is always present and more in this, w or less visible, is foul brood. Blad lisease, is brood, pickled brood, dysentry an efore the paralysis all disappear during a good lave some honey flow and hygienic surround larval life ings; to this common-sense principle aged per the "McEvoy method" owes it lad any displayers.

Much has been said in convention ree from and written for journals on paralysis ells may yet little is known as to its cause. ule, there have not had the time at my dispose ble of rei to make a thorough analysis of the read cont disease, but will give some of the shich are results obtained. It appears, at first an indigestion; dissectioned show accept on the obstruction in the way of casts of the control of the ship pollen and fungi in the true stomac isease. pollen and fungi in the true stomac usease.

and intestinal tract; there seems In the be an enlargement, as if engage sed for e of the tubules corresponding to the urinary apparatus of higher animal ell development of the internal organs is common. The my peared the celia, or threads, of various fungial found in the uriniferous tubules an air-passages of those dead from the good sweet of the celestrate of the second states. disease. All of these bring me conclude that when an individual bee has a bad case of paralysis not ing would cure it, and that it mig be worthless if cured. What In order st on a n usually meant by curing all diseas among bees, is stopping the infect ney-flow from spreading to new individual r of all and not individual cures. ork last

In dysentery dissection shows dropsical condition, an extra amou of fluids in the circulatory syste fungus and pollen casts in the cretory organs, and in some case