ndy day the hives d, nor after noon, very hot, as then ed to go at sight person who lifts

strongly object to f eucalyptus prok. They will sting t carries my watch nev will not worry eat irritates them, e partaken of nastung. Apifuge o pacifying effect cumstances, in my trying to the bees' two colonies that and had to be ree done quickly and hours, so that the terrupted, by cagefrom, say, 9 a.m. acing her by the the same cage and rning, say, 9 a.m., r activity is great,

> rtile, but are not ing, nor are they if they are only nd ventilation. I twelve or thirteen e swarm, and that ot to remove the rive the bees the ne of my colonies more drone-com 1 not gather la d did not swarn e drone-comb wit it certain that the mb should be o

> > sually arranged to combs of hon ntrance, then from

four to six combs of brood, and the remainder honey.

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If left without guidance, as in a box with smooth cover, they space their combs 11/4". I have observed once as little as 11/8". But 11/4" is certainly their rule, indifferently whether the combs contain all worker-brood or drone-brood as well. The thickness of sealed brood-comb varies from 34" to %", not leaving much unnecessary space between the combs, either for the queen or for ventilation.

I have never yet found them build their combs at right angles to the entrance, rarely parallel, but generally more or less in the diagonal direction.

The measurement of the worker-cells in the diameter between two opposite sides I found to vary between 0.188" and 0.192". We may thus assume 0.19" as their normal diameter, against the 0.92" of "Weed" foundation. small diameter harmonizes with the slender shape of the bee. They will, bowever, draw out imported foundation radily and breed in it; but if you ive them half a sheet, they will, beath it, continue in their own smaller d honey-gatherers, seath it, continue in their own smaller by do in this arid measurement, after drawing out the oundation in the larger.

It would be an interesting experiment see if, by giving the bees for several ears full sheets of foundation and pacing them 1-7/16", the size of the yasa bee would become larger. I onder if experiments in that direcon with other small bees have been

There are 65.6 worker-cells per square ch of comb on both sides together, or out 6,030 cells per frame of 8"x12" ternal measurement.

The drone-cells, of which there are rdly more than one-tenth, measure m side to side 0.256", one-third more an the worker-cells. There are 49.2 square inch of comb on both sides, about 4,730 per frame of 8"x12" emal measure. But such a frame as

had drone brood only I have not yet come across, except in the honey-combs beyond the brood-nest.

The honey-comb is beautifully white, as they do not quite fill the cells as long as they are not cramped for space, but leave a very small layer of air between the honey and the capping. In this the Nyasa bee compares favorably with the Italian, which seals its cells hard on the honey, and therefore cannot make white combs, and is less suitable for section production. On the other hand, if for any reason these native bees are cramped, be it narrow spacing of frames or that pollen is at the bottom of the cells, they often lay the capping right on the honey, thus making it look dark.

(To be Continued)

SHORT COURSE AT O.A.C., GUELPH

Beginning on January 7th, and ending January 18th, a course of practical lectures and demonstrations in bee-keeping will be given by the regular college staff and other specialists from various parts of Ontario. The following are some of the subjects to be considered: Method of Management Throughout the Whole Season's Work; Diseases of Bees and Their Treatment; Queen Rearing,

Those who purpose attending this course are recommended to read "Langstroth on the Honey Bee," and also, if possible, "The A B C and X Y Z of Bee Culture," before coming. Either of these books can be obtained from the Apiculture Club of the College.

For the benefit of those who cannot attend the whole course, arrangements are being made to hold a two days' convention sometime during the course.

Information regarding the particulars and program of this course may be secured by writing to Morley Pettit, Provincial Apiarist, O. A. College Cu