capped honey. The difference appears to be in the neighborhood of two per cent.

294

This Association is going to appoint a committee to make a practical test of these samples which we have brought here and when they have completed their work you will have an opportunity of examining them for yourselves.

You get some idea of the relative vicosity of the honeys by turning the bottles upside down and noticing the length of time it takes the bubble of air to ascend. The samples are merely lettered. They comprise ripe capped honey, honey partly capped and honey entirely capped. The first named are the most viscous. After the Committee has reported on the quality of the honeys I will label them. We wish to learn if practical men can pick out the samples of ripe honey, if their judgement in this matter coincides with ours, which is that the capped honey is a better quality of honey than that from uncapped comb. The latter honeys were collected on July 1st, the former on August 6th.

With regard to the question of water in honey, I feel that its importance lies really in this matter of ripe and unripe honey, water is not used as an adulterant of honey. The chief adulterant of honey is glucose syrup; that is to say the sugar which is manufactured by the action of dilute acid upon starch. Glucose is a sort of generic term and dextrose and levulose are specific terms. The word glucose chemically would include dextrose and levulose. Glucose is what results from the action of dilute acid upon cane sugar. That has been found in one or two instances and it is fairly readily detected. If honey were adulterated by the addition of cane sugar that

would also be comparatively easy of detection. In order to show you what genuine honey would be with the addition of 5, 10 and 15 per cent. positi of water, I have in these bottles just must mixtures. The bottles are labelled foods according to their contents. order

It was suggested to me last night that I might just say a word or two with regard to the position of honer as a food. I have already spoken a some length and you already may be minute somewhat tired of this subject. nd th

Voices : Go on.

Prof. Shutt : It is altogether apar from the question of this investiga tion which I have undertaken. On word further, however, about our ex periments. I believe it would b better to keep the honey upstairs everything seems to point to the plan as producing a better class hese 1 honey ; but I can't say that there ential (very much difference in our sample troger between the honeys kept in the cell lexan and those upstairs. It does, how should ever, seem to be a fact that t g, wh honeys in the cheese cloth cover e of tl bottles contain a little less water u n obta stairs than those which were in t ilk, an cellar, but owing to the uneatisfa here an tory character of the examination it or oi do not want at present to speak cause 1 definitely upon that matter. ch as b

Mr. Gemmell: I have found t the specific gravity of capped a uncapped honey is very different.

Prof. Shutt : I had a conversat with Mr. Percy Selwyn, an Otta bee-keeper, and he said there was great difference between seasons this matter. If you take a mo damp, cold season you get wat honey and it takes a long time ripen up, before the bees cap it. said if you were to take that und ed honey in the comb you a dash it right out ; but in a dry season the honey would be too u

July 1902

to eas

Wi

value

with r

stitue

vill ne

n the

Il foor

uanti

onstit

ats, st:

matt

Now

rotein

s, mate

niliar

an wh

word

suga

neral c

b have

ave sai

relate

se sub:

th the

rates ;

eral m

sto for

ices yo