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(Professor Shutt's address continued.)

Any percentage of water you leased could be obtained if you nly knew just how long to dry the bes. The chemistry on levulose ates that it is a substance which is tremely subject to decomposition heat at 70 degrees centigrade. o degrees centigrade is the temrature of boiling water and there no doubt about the very ready demposition of levulose at that temrature. But even at the temperare of 70 degrees levulose begins to compose. We took a second series honey samples and we dried them near as we could at 70 degrees tigrade. What did I get. ad of 29 and 28 I get 21 and 21; tead of 30 and 33 I get 23 and 25; lead of 24 and 26 I get 20 and 19: lead of 28 and 32 I get 22 and 21, so on.

is evident therefore that at the perature of 70 degrees, one obs from 8 to 9 per cent less water by the method in which the sare dried at the temperature of ing water.

tom the work of the last two ths I am convinced that any

method which involves the drying of honey at the temperature of boiling water is unreliable and the results will be inacurrate. Now I am not prepared to say to-day that the results from this second series of experiments, drying at a temperature of 70 degrees centigrade, are absolutely accurate, but I will say this that I feel convinced they are much nearer the truth than those which you find ordinarily on record and those which I first obtained by the method which was used by the Inland Revenue Department analysts. Thers is another method of obtaining the amount of water in honey, it is one which is used by the sugar manufacturers largely. By taking the specific gravity of the sugar sulution one can calculate the amount of dry matter present and of course by subtracting the dry matter from 100 you get the percentage of water. We tried taht method; we took the specific gravity of the honey and we made a calculation and estimated in that way the amount of water so present.

Instead of having 21 per cent of water as determined at 70 degrees centigrade I get by the specific gravity method results from 25 to 17 per cent, a still smaller quantity, than when the honey is dried at a temperatuae of 70 degrees which is evidently too high for levulose. If our results obtained by the specific gravi-