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The Dairy Meeting at Guelph
(Continued from page 9.)

summarized by Mr. Brown, of the Dairy School. He found that the use of a red reader to eliminate the meniscus reduced the reading one-half per cent. As the results were not certified by chemical analysis it was agreed that the value of the red reader is yet in doubt. In handling composite samples it was found that least mold developed when sufficient preservative was added at first and the bottle not shaken on each addition, care being taken that cream does not get on the sides of the composite bottle.

Daily Versus Composite Sampling

The old question of daily versus composite samples was again to the fore. Several were ready to express their belief in the superiority of the daily test but found that the variations from day to day due to poor separators, poorly regulated speed and other causes of objection to patrons. In this regard the first year is probably the worst. Chief Instructor Hearn suggested a special plan on cream separators to eliminate the variation due to ill-regulated speed. (Manufacturers please take notice).

Another phase of the testing problem that is often a cause of irritation is the testing of cream samples sent by patrons to Guelph. Mr. Waddell mentioned one case where his test was 31, the patron's 33 and the college test 39. Prof. Dean pointed out that his department could not refuse to test these samples even though they might not have been correctly taken. Finally it was agreed that a letter be drafted to accompany every test explaining why variations occur and why the college test might disagree with the creamery test.

Proportional Sampling

Mr. Barr threw additional light on tabling proportional samples by describing the Marker system in use in Alberta. The drawer takes a sample of each patron's cream. At a certain scale is placed behind the composite bottle. On this scale are gradations for various weights of cream. It is a simple matter of pouring in an amount proportionate to the delivery of the patron for that day. Needless to say, the composite bottles are all of uniform size.

For pasteurizing temperatures Prof. Dean recommended 171 for the flash method and 140 for the holder method. Cream cooling experiments during the past year indicate that with pasteurized cream, brine through one cooler used too much ice but that water in a first cooler and brine in a second worked very well.

Farm and Dairy can give but this brief summary this week of this important meeting. Extracts from the various discussions will be given from time to time in future issues. It was generally agreed that this year's meeting will be provocative of good in bringing nearer to solution the questions of cream grading, instruction of patrons and the friction due to college cream tests.

Winter Feeding of Sheep
(Continued from page 5)

send a few of them from time to time to the butcher. When doing this the grain ration is increased so the market lambs being kept by themselves, and being given a mixed ration of corn and oats, with the emphasis on the corn. For lambs corn is the finest feeding grain that we have ever used.

One point we would make for the fall of the year. Pastures are short, and unless a little supplementary feeding is done, both lambs and ewes will lose in condition. Don't be deceived by the growth of the fleece. Handle the ewes carefully, and you will find that the growing fleece may cover a serious loss in flesh.

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