

about much lately—too hot, and he likes a little holiday too as well as the next man; hence he has not much to say this month.

WINTER WHEAT

Leading Varieties Throughout Ontario.

RESULTS OF CO-OPERATIVE EXPERIMENTAL WORK

The following information which we have received from the R. A. College should be of interest to our farmers.

Within the past seven years, one hundred and thirty-three varieties of winter wheat have been very carefully tested in the Experimental Department at the Agricultural College, Guelph. Besides ascertaining the comparative yields of grain and straw of the different varieties, the wheats have been closely examined each year for their quality of grain, time of maturity, strength of straw, freedom of rust, etc., in order to determine which kinds will give the most satisfactory results when grown under uniform conditions. After the various varieties have been carefully tested at the College for a few years, those which have given the best satisfaction are selected for distribution through Ontario. This system of co-operative experimental work enables the farmers to determine for themselves which of the leading varieties will give the best results upon their own particular farms. As a practical result from obtaining information in this way, hundreds of farmers are now growing varieties in their regular farm practice, which were entirely unknown to them a short time ago. For instance, the Dawson's Golden Chaff variety of winter wheat, which has recently given such high average yields of grain per acre, both at the College

and throughout Ontario was scarcely known except in one neighborhood near Guelph, until it was sown in our experimental grounds in 1891, and afterwards distributed for co-operative experimental work. This is now one of the most popular varieties of winter wheat in this province.

In the fall of 1895, nine leading varieties of winter wheat were distributed in this way. They were divided into two sets with five varieties in each. The Dawson's Golden Chaff was used in both sets to form a basis by which the results of all the varieties could be compared with one another. Each person who wanted to conduct an experiment, stated in his application which set he desired, and the five varieties in the set selected were sent to his address, with full instructions for conducting the experiment. The grain was sown at the rate of one and one-third bushels per acre, upon plots exactly uniform in size and shape. The yields per acre have been calculated from the actual results obtained from the plots.

Ninety reports of carefully conducted experiments have been received this season up to the time of writing. As these came from 27 of the counties in Ontario, the results should be of real practical value to the farmers of the province.

The following table gives the results of straw and grain per acre of the winter wheat varieties tested during the past season on 99 Ontario farms:—

	Straw per acre (tons)	Grain per acre (bu.-60 lbs)
1. Dawson's Golden Chaff.....	1.29	26.9
2. Jones' Winter Fife.....	1.45	29.4
3. Pride of Genesee.....	1.30	25.0
4. Early Red Clawson.....	1.27	24.9
5. Surprise.....	1.27	23.8
6. American Bronze.....	1.31	23.4

7. Early Genesee Giant.....	1.26	23.1
8. Bulgarian.....	1.20	21.3
9. Jones' Square Head.....	1.12	20.2

DISTRIBUTION OF SEED FOR TESTING PURPOSES.

In the following table will be found three sets of winter wheat varieties, which will be sent free, by mail, in half pound lots of each variety, to farmers applying for them, will carefully test the three kinds in the set which they choose, and will report the results after harvest next year. The seed will be sent out in the order in which the applications are received as long as the supply lasts.

SET NO. 1.

Dawson's Golden Chaff.
Early Genesee Giant.
Early Red Clawson.

SET NO. 2.

Dawson's Golden Chaff.
Pride of Genesee
Poole.

SET NO. 3.

Dawson's Golden Chaff.
Stewart's Champion.
Siberian.

Each person wishing one of these sets, should write to the Experimentalist, Agricultural College, Guelph, mentioning which set he desires, and the grain, with instructions for testing, and blank forms on which to report, will be furnished free of cost to his address, until the supply of grain for distributing becomes exhausted.

C. A. ZAVITZ,

Experimentalist,

Agricultural College,

Guelph, Aug. 14, 1896

repeated, "you do not know what my past life has been." His fingers pressed convulsively into his palms. "Surely," he cried, "it has not been more than thirty-five years." The ocean moaned as it has for ages, and that was all.—Puck.