

world's markets to the very best advantage to both buyers and sellers."

"No doubt the time has come when special subjects of peculiar interest to a locality can best be handled by Farmers' Clubs. Still, I do not believe that the time has come when the Institute system as now organized should be replaced. There is plenty of good work to be accomplished, and if a few enthusiastic farmers in each locality get behind the meetings they are bound to succeed."

"We also found that where there was a good Women's there was generally a good Farmers' Institute."

"I found in discussing the weed question that the perennial sow-thistle is gaining ground rapidly, and the farmers are of the opinion that some legislation is needed to compel the destruction of this weed before it goes to seed. There are careless farmers in every locality, and these are the means by which this weed is spreading. The farmer who is trying to get rid of this weed by cultivation is only making a better bed for the seed from the careless farmer's place, and I feel something should be done to help these farmers get rid of the pest."

"Around Bowmanville this weed is gaining ground so fast that fear is entertained by some who have young orchards that it will choke and starve out their trees."

"After an absence of nearly two years from regular Institute work in Ontario, I attended a few meetings with a feeling of curiosity. I wondered if it was true, as we have often heard, that Farmers' Institutes were on the decline, that they had seen their best days."

"At our first meetings, when we reached the place appointed, the officers of both the men's and women's institutes were on hand to meet us, and convey us to our different places."

"The meetings were well advertised, and as a result large audiences met us at each place, both afternoon and evening. In some places the ladies provided supper, so that the people did not meet to return home before the evening meeting."

"At the Women's Institute meetings the attendance increased each day we were out, and the local officers in the different places seemed to vie with each other in making their meetings better than any other. Everywhere we went we were impressed with a feeling of enthusiasm and a deeper faith in the future of the Institute work, both for men and women."

"In West Hastings, our other riding, young men have been appointed this year as officers, and realizing the able work done by the Institute pioneers in the work, they are making every effort to accomplish even greater results in the future than their predecessors in the past. As a result, they have already secured the largest membership for 1907-1908 that West Hastings has ever given, and there are yet a number of supplementary meetings. Good audiences awaited the speakers in each place, and everywhere a bright outlook for the future is apparent."

**A WORLD'S CHAMPION COW.**

The great Holstein-Friesian cow, Colantha 4th's Johanna 48577, owned by W. J. Gillet, of Wisconsin, under the supervision of representatives of the State Experiment Station, began a year's test on December 24, 1906, which she completed on December 22, 1907, the result of which for various periods is shown in the following table and report, as published in Hoard's Dairyman:

Period.	Time.	Milk.	Fat.	Fat.
		Lbs.	%	Lbs.
1 day	—Feb. 9-10 *	90.6	5.07	4.94
7 days	—Feb. 6-13.....	651.7	4.32	28.76
30 days	—Jan. 21 to Feb. 20.....	2,873.6	3.86	110.83
60 days	—Dec. 27 to Feb. 24.....	5,326.7	3.91	208.39
120 days	—Jan., Feb., Mar., Apr.....	10,521.2	3.76	395.28
1 year	—Dec. 22, '06, to Dec. 21, '07 .....	27,432.7	3.64	998.26

The average daily yield ..... 75.2 3.64 2.73

\* This was made on the evening of Feb. 9 and morning of Feb. 10.

Following are the seven-day records made at five, eight, ten and eleven months after calving, and for periods of one week, under the supervision of the Wisconsin College of Agriculture:

Time After Calving.	Milk.	Fat.	Fat.
	Lbs.	%	Lbs.
Five months .....	613.0	3.56	21.80
Eight months .....	378.8	3.95	14.96
Ten months .....	468.7	3.40	15.95
Eleven months.....	478.6	3.61	17.28

The seven-day record made, eleven months after calving, is the largest ever made by a cow so far along in the period of lactation. In fact, it beats all weekly records made eight months after calving.

So far as we know this cow has made a clean sweep of all records from the one day to the yearly.

The amount of butter that could be made from her 998.26 lbs. of fat would be, allowing 1-6 overrun, 1,164.64 lbs., or an average of 3.19 lbs. daily for the year.

This cow and her dam and grandam do not represent the attenuated dairy form, but carry a little more flesh than the extreme dairy type. They are classed by the Holstein people as of the "milk-and-beef form." This term is a bit misleading, as it does not mean that they perform two functions, but rather they carry a little more flesh than the extreme dairy type.

**A ROUSING SHORT COURSE AT TRURO.**

Recent advices report one hundred and forty students in attendance at the short course at the Nova Scotia Agricultural College. Of this number, sixteen are from Prince Edward Island, nineteen from New Brunswick, one from Newfoundland, and the remainder from the various counties of Nova Scotia. The larger proportion of the class consists of young men from twenty to thirty years of age, but there is quite a sprinkling of some of the older men, who are of the opinion that even they can learn something by coming to hear the instruction given at the Agricultural College. The course has been by far the most successful that has yet been held in the Maritime Provinces, and is, perhaps, the most hopeful indication we have yet seen of a general revival in the agricultural spirit of the people in Eastern Canada. The instruction has been of a high character, as is evidenced by the fact that, in addition to the well-recognized faculty of the College, many well-qualified outside professional and practical men have taken part.

These men are recognized authorities on their subjects, and the occasion of having so many enthusiastic young men in the class seems to have drawn the very best from them. On Tuesday evening, January 7th, Lieutenant-Governor D. C. Fraser, of Nova Scotia, delivered an address before the students on "The Fundamental Principles of Success." He was greeted with an audience which more than taxed the capacity of the large Assembly Hall of the Agricultural College, and his address was most enthusiastically received.

It would be invidious to make any distinction in regard to the various classes which have been carried on in animal husbandry, horticulture, dairying, etc., but it should be mentioned that those who gave instructions in animal husbandry found in the College stables a splendid class of stock. In Holsteins, for example, the cows upon which students passed judgment had an average milk yield for the past season of 13,000 lbs., while other standard breeds of cattle, horses, sheep and swine were excellent. Classes in dairying and poultry were yet to be given, but promised to be fully as instructive as any of the other classes. Altogether, the students have had one of the best opportunities to receive an all-round agricultural course which has been afforded at any institution in America. The enthusiasm among the students is marked, and the influence of the course is bound to be felt throughout the Maritime Provinces.

**EASTERN ONTARIO LIVE-STOCK AND POULTRY SHOW.**

JANUARY 20TH TO 24TH.

The importance of this exhibition of the Eastern part of the Province can hardly be realized if it is properly taken advantage of by persons living in that district who are interested in live stock and poultry. The series of addresses this year are the best which have ever been arranged for this exhibition. Their benefit will depend upon the advantage taken of them by those in whose interest the show is held, and for whom the lectures are arranged. Special attention is drawn to several subjects.

Single-fare passenger and freight rates are in force over all railroads.

**PROGRAMME OF MEETINGS.**

Unless otherwise stated, these lectures will be delivered in the Lecture Room of the Exhibition Building.

**PUBLIC MEETING.**

Tuesday, January 21st, 8 p. m.—The programme for the meeting on Tuesday evening will consist of popular addresses by prominent public men. Hon. Nelson Monteith, Minister of Agriculture, will occupy the chair.

**DAIRY SESSION.**

Wednesday, January 22nd, 10 a. m.

Chairman, Hon. Nelson Monteith.

Address—"Breeding and Care of the Dairy Cow from Birth to Maturity," by W. F. Stephen, Huntingdon, Que.

Address—"Feeding Dairy Cattle," by J. H. Grisdale, Agriculturist, Central Experimental Farm, Ottawa.

Address—"Judging Dairy Cattle," by D. Drummond, Department of Agriculture, Ottawa.

**HORSE SESSION.**

Wednesday, January 22nd, 2 p. m.

Chairman, Hon. Nelson Monteith.

Address—"Selection of a Stallion and Proper Type in Mating," by John Gardhouse, Highfield.

Discussion—The discussion will be based on the information and suggestions contained in the report of the investigation into the horse-breeding industry of Ontario, which was prepared from the reports received from the special inspectors appointed by the Ontario Department of Agriculture. A number of points suggested by the directors of the Ontario Horse-breeders' Association will be presented for discussion by the President, Mr. Wm. Smith, Columbus.

**DAIRY.**

Wednesday, January 22nd, 8 p. m.

Chairman, Hon. Nelson Monteith.

Address—"Milking and the Sanitary Handling of Milk and Milk Products," by H. H. Dean, Professor of Dairy Husbandry, O. A. C., Guelph.

Address—"Stable Ventilation," by J. H. Grisdale, Agriculturist, Central Experimental Farm, Ottawa.

**SEEDS.**

Thursday, January 23rd, 10 a. m.

Chairman, Prof. G. E. Day.

Address—"The Improvement of Ontario's Pasture Crop," by C. A. Zavitz, Professor of Field Husbandry, O. A. C., Guelph.

Address—"Hill Selection of Seed Potatoes," by T. G. Raynor, Ontario Representative, Seed Branch, Ottawa.

**LIVE STOCK.**

Thursday, January 23rd, 2 p. m.

Chairman, Prof. C. A. Zavitz.

Addresses—"Judging Live Stock," illustrated by live animals and dressed carcasses:

(a) "Sheep," by Prof. H. S. Arkell, Macdonald College, Ste. Anne de Bellevue.

(b) "Swine," by G. E. Day, Professor of Agriculture, O. A. C., Guelph.

(c) "Beef Cattle," by John Gardhouse, Highfield.

Addresses—"Economic Feeding of Live Stock":

(a) "Sheep," by John Campbell, Woodville.

(b) "Swine," by G. E. Day, Professor of Agriculture, O. A. C., Guelph.

(c) "Beef Cattle," by J. H. Grisdale, Agriculturist, Central Experimental Farm, Ottawa.

**POULTRY.**

Thursday, January 23rd, 8 p. m.

Address—"Winter Egg Production," by L. H. Baldwin, Deer Park.

Address—"The Colony House—An Economical and Effective Plan of Housing Poultry," by F. C. Elford, Manager Poultry Department, Macdonald College, Ste. Anne de Bellevue, Que.

Address—"Rearing and Fattening Chickens," by A. G. Gilbert, Manager Poultry Department, Central Experimental Farm, Ottawa.

**AUCTION SALE PURE-BRED CATTLE.**

January 24th, 1.30 p. m.

The exhibition and sale will be held in the new building, known as the Howick Pavilion, situated on the Central Canada Fair Grounds, Ottawa, Ont.

**HOW TO SECURE SALVATION ARMY IMMIGRANTS.**

During the past four years, the Salvation Army has succeeded in bringing to Canada a good class of farm laborers and domestic servants.

Notwithstanding the protest made in some sections of the country, that there is a surplus of labor, the Army officials find there is still a demand for agricultural laborers, and they have chartered several ocean liners to supply the need. The call for farm laborers comes from all parts of the Dominion, and now that the Ontario Government has decided not to continue supplying farm help, and as it is likely that immigration to Canada will not commence until late in April, the demand for settlers coming out under the Army auspices is likely to be great. The first chartered ship will be the "Kensington," sailing from Liverpool, February 20th, for British Columbia points, followed by the "Southwark," on March 5th, for Ontario points; the "Ionian," from Glasgow, and the "Kensington," from Liverpool, on March 26th.

Farmers who have not made application for help for the coming season, are advised to write for application forms and further particulars to Lieut.-Colonel Howell, 20 Albert St., Toronto, Ont.

**ONTARIO HORSE-BREEDERS' EXHIBITION.**

The prize-list of the Ontario Horse-breeders' Exhibition, to be held in Toronto, February 12th to 14th, is being distributed, and may be procured, together with entry forms, from the Secretary, A. P. Westervelt, Parliament Buildings, Toronto. The prize-list offers \$3,265 in cash, made up as follows: Clydesdales (open), \$820; Shires (open), \$305; Clydesdales and Shires (Canadian-bred), \$440; Hackneys, \$420; Standard-breds, \$275; Thoroughbreds, \$365; ponies, \$180; championships, \$205; heavy draft horses in harness and shown on the line, \$305.

This classification and the large prizes offered should encourage every owner of a good stallion or mare to have them on exhibition. As the show follows immediately after the National Live-stock Convention, a large number of buyers will be present from the Eastern and Western Provinces, which will ensure a good market for all horses on exhibition. Entries close on the first of February.

**FORTHCOMING EVENTS.**

- Jan. 15th and 16th—Western Ontario Dairyman's Association, Woodstock.
- Jan. 20th to 24th—Eastern Ontario Fat-stock and Poultry Show, Ottawa.
- Jan. 28th to 30th—Nova Scotia Farmers' convention at Antigonishe.
- Feb. 3rd and 4th—Canadian Seed-growers' annual convention, at Ottawa.
- Feb. 4th—Annual meeting Dominion Shorthorn Association, in Toronto.
- Feb. 12th to 14th—Ontario Horse-breeders' Show, Toronto.
- Prince Edward Island Dairyman's Convention, Charlottetown, February 20th.
- May 4th to 9th—Canadian National Horse Show, Toronto.