

# The Ontario Agricultural Gazette

Vol. II. The Official Bulletin of the Dominion Cattle, Sheep, and Swine Breeders' Associations, and of the Farmers' Institute System of the Province of Ontario.

No. 37

## THE DOMINION CATTLE, SHEEP, AND SWINE BREEDERS' ASSOCIATIONS.

Annual Membership Fees:—Cattle Breeders' \$1; Sheep Breeders', \$1; Swine Breeders', 1.

### BENEFITS OF MEMBERSHIP.

Each member receives a free copy of each publication issued by the Association to which he belongs, during the year in which he is a member. In the case of the Swine Breeders' Association this includes a copy of the Swine Record.

A member of the Swine Breeders' Association is allowed to register pigs at 50c. per head; non-members are charged \$1.00 per head.

A member of the Sheep Breeders' Association is allowed to register sheep at 50c. per head, while non-members are charged \$1.00.

The name and address of each member, and the stock he has for sale, are published once a month. Over 10,000 copies of this directory are mailed monthly. Copies are sent to each Agricultural College and each Experiment Station in Canada and the United States, also to prominent breeders and probable buyers resident in Canada, the United States and elsewhere.

A member of an Association will only be allowed to advertise stock corresponding to the Association to which he belongs; that is, to advertise cattle he must be a member of the Dominion Cattle Breeders' Association, to advertise sheep he must be a member of the Dominion Sheep Breeders' Association, and to advertise swine he must be a member of the Dominion Swine Breeders' Association.

The list of cattle, sheep, and swine for sale will be published in the third issue of each month. Members having stock for sale, in order that they may be included in the Gazette, are required to notify the undersigned by letter on or before the 9th of each month, of the number, breed, age, and sex of the animals. Should a member fail to do this his name will not appear in that issue. The data will be published in the most condensed form.

F. W. HODSON, Secretary.  
Parliament Buildings, Toronto, Ont.

## Reports of Annual Meetings.

We respectfully call the attention of secretaries of Farmers' Institutes to Clause 58 of the Rules and Regulations Governing Farmer's Institutes. See page 15 of the pamphlet entitled Act, Rules and Regulations of Farmers' Institutes of Ontario, recently issued. Clause 58 reads:

"Within one week after close of each institute meeting, or series of meetings, the secretary shall forward to the superintendent a detailed report of said meeting or meetings, in which shall be stated the name of the place or places where sessions were held, the number of persons present at each session, the name and address of each person who read or gave an address, the title of the address or paper, and a comment upon its value, whether fair, good or indifferent."

A number of the annual meetings were held two and three weeks ago, but still some of the secretaries have not yet sent reports to the superintendent. We wish to draw their attention to the fact that this clause governs the report of annual meetings as well as the report of any other meetings held by the institute. In any case the annual report must reach the superintendent on or before July 1st, otherwise the local institutes will lose the annual grant and the services of speakers sent to address institute meetings in their division.

Annual Reports have been received from the following Institutes:

Algoma East.  
Amherst Island.  
Brant South.  
Bruce Centre.  
Bruce West.  
Carleton.  
Cornwall.  
Elgin East.  
Grey South.  
Hastings East.  
Hastings West.  
Huron East.  
Middlesex West.

Muskoka Centre.  
Norfolk North.  
Peterboro' West.  
Renfrew North.  
Simcoe South.  
Stormont.  
Wellington East.  
Wellington West.  
Wentworth South.  
Wentworth North.  
York East.  
York North.

## Institute Memberships

The following is a list of the members received since the last list published:

Algoma East.....	8
Bruce Centre.....	3
Bruce North.....	2
Bruce West.....	2
Grey North.....	7
Grey South.....	5
Hastings East.....	2
Hastings West.....	3
Lambton West.....	4
Leeds N. & Grenville North.....	2
Middlesex West.....	1
Muskoka South.....	20
Norfolk North.....	3
Peterborough East.....	1
Peterborough West.....	3
Port Carling & Bala.....	2
Prescott.....	10
Renfrew North.....	3
Simcoe East.....	26
Simcoe South.....	3
Victoria West.....	4
Waterloo North.....	3
Wentworth South.....	6
Wentworth, North.....	2
York East.....	5
York North.....	2

## Ontario Provincial Winter Fair.

It has finally been decided that the next Ontario Provincial Fat Stock and Dairy Show will be held in London, Ontario, December 12th, 13th, 14th, and 15th. The prize list is now in the course of preparation and will be issued at an early date.

## Cotswolds Wanted.

Cleveland, O., June 19th, 1899.

F. W. HODSON, ESQ.,  
Toronto, Ont.

DEAR SIR,—I am in the market for four hundred head of Cotswold ewes and five bucks. Can you tell me who breed these sheep and about what they are worth, also if there is any duty on them to this country.

Yours truly,  
(Sgd.) D. R. HANNA.

The above is a letter which has been received by the secretary of the Dominion Live Stock Associations, who respectfully requests that breeders of Cotswold sheep correspond with M. A. Hanna & Company, Cleveland, Ohio.

## An Abridged Report of American Experiments which are of Value to Canadian Farmers.

HORTICULTURE.

### Cross-Pollination in Relation to Fruitfulness.

It is well-known to experienced fruit-growers that a large number of different species of fruit are self-sterile, that is to say, they must receive pollen from other varieties in order to insure the production of fruit. Several investigations into the cause and extent of this self-sterility have been held by some of the stations.

The pollinations of peas has been studied by the United States Department of Agriculture. Extensive experiments were conducted in three localities in New York, and one in Virginia. They were continued through two seasons, and included work with thirty-eight varieties. A majority of those tested were entirely self-sterile, but fruited well when pollinated by other varieties. Pollen from another tree of the same variety appeared to be no more effective than from another branch of the same tree, or than from the same flower. A number of varieties were found to be self-fertile, but, even with these, cross pollination appeared to be more certain and more satisfactory under adverse conditions. There were shown to be marked differences between self and cross-pollinated fruits of the same variety, especially in the case of Bartlett's and Buffums, and also fairly well pronounced in Anjou, Angouleme, and the Heathcote trees. Self-pollinated fruits are somewhat smaller, tend to be narrower, and not so well filled out toward the blossom end. Most of them are entirely seedless. They also tend to ripen slightly later than cross-pollinated ones; this, however, being