The Ontario Agricultural Gazette

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

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

Annual Membership Pees -- Cattle Breeders', \$1; Sheep Breeders', \$1; Swine Breeders', \$2

BENEFITS OF MEMBERSHIP.

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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 500, per head, non-members are charged \$1 00 per head.

A member of the Sheep Breeders' Association is allowed to register sheep at 500, 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 probab's 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 advertise sheep he must be a member of the Dominion Sheep 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, and to advertise swine he must be a member of the Dominion Swine Breeders' Association.

1 no list of cattle, sheep, and swine for sale will be published in the third issue of each month. Members having stock (5° sale, in order that they may be included in the Garette, are required to notify the undersigned by letter on or before the pith of each month, of the number, breed, age, and sex of the animals. Should a member fail to do this his same will not appear in that issue.

F. W. Houson, Secretary.

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EAST VICTORIA FARMERS INSTITUTE.

In the absence of Mr Thurston, our secretary, who has been spending a part of the winter in Oregon, I enclose herewith a list of names of persons who have become members of East Victoria Farmers' Institute, that they may be placed upon the mailing list, and receive the various reports which are now becoming much sought after in this section. (The names are received and placed on the mailing list.) In looking over the Institute report for 1897, I notice that some of the Institutes have been holding local meet ings, and I thought that as our supplementary meetings were held early in January, there was a good opportunity to attempt something along that I spoke to two or three of the best men in my own locality, and as a result we have had two most successful nicetings with an attendance of 125 and 150, conducted entirely by local men, and without costing the Institute one cent. A third meeting was to have been held in another locality on the 11th of March, but owing to the almost impassable state of the roads and a wet evening, it has been post poned. I might say that I am delighted with the manner in which the people take hold of these meetings. Among those who have given us short talks on the various subjects intro duced are men who have never be fore attempted to address an audience of any kind, and I am bound to say that the ability to express their ideas and the knowledge of the subject evidenced by the manner in which it was handled, has been a surprise to more than one, and I think in this respect, i.e., the bringing forward of new men to help at larger and more public meetings, these local meetings must prove very helpful.

I enclose a programme of the meet ings held, by which you will see that there was no lack of material, especially in the case of the latter one, with twelve speakers on the list. I might say that, although we tarried till near midnight we did not get more than half through the list, and arranged to

visability of placing a lady on the deputation had been expressed. Miss Rose proved to be a great success, and some of those who were the most outspoken in opposition to the movement have asked us to endeavor to have her placed on supplemental deputation next year.

W. H. CULLIS, President.

PROGRAMME.

1. Introductory Address, Manley Maybee.

2. "Hog Culture for Profit," John

Earle.
3. "Benefit of Having a Cheese Factory in a Community and Profits Arising Therefrom," T. Parkin.

4. "Apple Culture," A. E. Winthorne.

5. "How to Build and Manage a Silo for Profit," Alex. Magee.

6. A paper on Reading, J. Cundal. "One Way of Handling Cattle

for Profit," J. Suggitt. 8. Paper, W. H. Cullis.

"Culture of Sheep," etc., L. Ir-

10. "Fowl on the Farm," T. Coad. "Drainage," R. Westaway.

12. Music, readings and recitations, interspersed as required.

Who says East Victoria Farmers' Institute is not abreast of the times! Well done, East Victoria! Many of the other Institutes have done similar work with very gratifying results. Let us hear from others. The object of the Farmers' Institute system is to inspire, improve, and use local talent. All the work undertaken aims at this who thinks or says that it is impossible some startling conclusions. to derive great benefit from meetings such as Mr. Cullis describes, is clearly behind the times and should mend his ways or make room for a better man. Upward and onward is the motto of the Farmers' Institute system in Ontario.

WEEDS.

By GEORGE BINNIE.

ing that some doubt. regarding the ad- found to be equally abundant. In this

part of the country weeds are becom them, it costs many thousands of dol re crop too often, and thus allow the ket or seed, indeed it is almost imposso much feed has been imported into siderable loss in the reduction of the this district that many new weeds have market value of grain not properly been brought in and are making their cleaned. The yearly cost of growing appearance here and there. Every weeds to the firmers of this province plant out of place may be called a amounts to a large sum, and costs more weed; a grain of wheat is a weed in a now in proportion to the value of grain flower garden, and a rose in a wheat grown than at any previous time, field is also a weed. But there are There are different classes of weeds some plants that may be considered requiring different treatment for their from his farm.

are a very common means of distribut-

ing weeds.
Weeds are injurious in many differ-

ing usually of a more sturdy nature ture, air, and sunshine.

ten plants to the square yard, it was would take from the ground and evap orate into the atmosphere over twenty water is being wasted by these useless and grow plenty of clover. Travelling through the country we plants as would ensure a successful have the other half at a later date. In can see field after field colored with crop of the different grains. This of reference to the regular meetings held the purple thistle top, or braiant with itself ought to be sufficient to make per acre has been obtained by growing at Bobcaygeon and Fenelon Falls, they the yellow mustard, while upon closer any farmer strain every effort to rid his clover, peas and vetches with phoswere both very successful, not with stand observation others less prominent are farm of useless and injurious weeds. phoric acid in a form combined with

4. It costs a large amount to handle lime and iron as bases.

ing more abundant. This is owing lars for the time it takes to bind them, partly to the failure to get a catch of it costs large sums for drawing, for grass during the last two or three dry storage room and threshing; it takes seasons, and having to re-plough and extra labor cleaning the grain for maiweeds to multiply. During the past year sible to get it clean, and there is con-Every weeds to the firmers of this province weeds under all circumstances, such eradication. Those known as annuals as the thistle, mustard, wild oat, ox-eye grow only from seed. They grow, daisy, etc., and every farmer should mature, and ripen their seed in one bend his energies to eradicate all such season. Some of the most common are wild oats, mustard, cockle, fox-tail, Weeds are distributed in many ways etc. The seed of these are of such a The seeds of some, such as the thistle, nature that they will lie a long time in are provided with feathery attachments the soil and grow when favorable cirand are borne far and wide on the cumstances arise. The best method wings of the wind. Others, as the of attacking them is to turn the seed burdock, attach themselves to passing to the surface, get them to grow, and animals, and are carried by them to kill them before they are allowed to other parts where they flourish and seed. The biennials take two years Weeds are too often carried to mature and ripen seed. The perenfrom one part to another in seed grains nials are perhaps the worst class of and seeds. Three years ago I got a weeds. They grow from the roots as pretty good dose of daisy in grass seed well as the seed. Some of these are which gave me a great amount of the Canada thistle, ox eye daisy, couch trouble, and I am not done with it grass, etc., and owing to the tenacity yet. Threshing machines, too, carry with which they cling to the soil they seeds from one place to another, and are extremely difficult to get rid of. The remedy to be applied to rid the

soil of these and all other weeds is good cultivation, and the first re uisite is to remove all obstructions as stones, 1. They take up room that should stone piles, and rubbish of every debe occupied by useful plants, and be- scription, as these are not only a hindrance to cultivation but also a prothan the cultivated varieties, crowd tection to weeds of all kinds. Then them out and deprive them of mois- the land should be well plowed, every inch of it turned over and not done in They take from the soil the food that careless slipshod manner that we that should go to build up the useful see so often in our fields. No amount plants, thus making the latter weaker of after cultivation will make up for and less able to withstand the crowd- poor plowing. If the land is very dirty ing of weeds, and the attacks of in- it will be necessary to summer fallow, sects or disease.

3 There is another way in which kill, if possible, every sign of vegetaweeds are an injury to the growing tion in the field. But land, unless excrop. All plants draw a certain amount tremely dirty, can be cleaned and kept of water from the soil, and through the clean without summer fallowing and leaves throw it off into the atmos- without the loss of a season. Hoed Prof. Panton, of the Ontario crops should be extensively grown, as Agricultural College, at Guelph, and potatoes, turnips, mangolds and corn. others have lately been making some Large quantities of these are necessary experiments as to the amount of water to feed the stock that ought to be fed result, and without it little good is conveyed by certain plants from the on every farm. Proper cultivation accomplished. The Institute officer soil into the air, and have arrived at will be a valuable assistance in the de-Taking struction of weeds. A short system of the wild mustard plant and allowing rotation of crops should be adopted, as a long continued cropping of grain is a found that from an acre this plant sure method of encouraging and multip'ying weeds, as well as impoverishing the soil. We should grow plenty tons, or more than four thousand gal- of clover. It crowds out weeds and ions daily. Other plants of a like enriches the soil. The best method to nature also throw off large amounts of clear a farm of weeds and keep it clear water. This is a very serious matter, is to practise a thorough cultivation of especially in this dry climate, as much the soil, adopt a short rotation of crops