

milk. The evidence, therefore, is in favor of the intermediate variety, which gives a good-quality silage combined with a large yield.

Crop Competitions.

A resume of what had been accomplished by Field Crop Competitions was given by Wm. Scarf, of Durham, President of Fairs and Exhibitions. "The aim of this competition work is to make one acre produce as much as two, and to encourage the sowing of cleaner and better seed," said the speaker. The results which had been attained by some societies were enumerated, and surprise was expressed that more farmers did not enter the competitions. There are over 100 agricultural societies in Ontario that have not given their members an opportunity to go into the work. Liberal prizes are offered competitors. Out of \$75 offered in prizes in each society the Government provides \$50 of the amount, besides supplying the judges. The importance of interesting the boys and girls of the home in the competition was emphasized by the speaker. They should know what part of the field was entered in competition and should know the variety of the crop grown. Since the work was started an ever increasing quantity of clean, pure seed is becoming available for seeding purposes.

J. L. Dougherty, District Representative for Kent County, discussed the work which had been accomplished through the organization of the young people of the province. The results of School Fairs, Short Courses, Junior Farmers' Organizations and Corn Clubs were discussed by the speaker, and it was pointed out that competitors at the School Fairs a few years ago were now among the best exhibitors at the larger fairs. It was suggested that every encouragement be offered the young people to exhibit.

"Our Feathered Friends" was the subject of an interesting address delivered by A. E. Saunders, London.

Officers for 1917.

The Annual Meeting of the Corn Growers' Association was well attended, and reports showed that the exhibition and convention this year compared favorably in every respect with past Corn Shows. The balance of \$358.38 appeared on the right side of the ledger. The election of officers resulted in R. W. Knister, Comber, being elected Hon. Pres.; President, L. Gregory, Chatham; First Vice-Pres., L. D. Hankinson, Aylmer; Second Vice-Pres., W. Anderson, Amherstburg; Secretary, J. W. Noble, Essex; Treasurer, J. H. Coatsworth, Kingsville.

A committee appointed to revise the present standards for the different varieties recommended that the length of Wisconsin No. 7 ears be $8\frac{1}{2}$ to $9\frac{1}{2}$ inches in place of 8 to 9 inches, and the number of rows of kernels be increased to 18 to 20. A cylindrical ear in place of a tapering one was desired with the Golden Glow variety. The length of Salzer's North Dakota was reduced to $10\frac{1}{2}$ to $11\frac{1}{2}$ inches, other varieties were not changed. It was also suggested that the Leaming variety be added to the Standards.

The Seed Corn Control Agreement was discussed by E. D. Eddy, of Ottawa. This agreement was adopted last year, and is for the purpose of protecting growers and purchasers of high-class seed corn. The agreement was published in full in "The Farmer's Advocate" in the report of last year's Corn Show. A few minor changes were suggested, and it was decided that extra No. 1 grade be dropped, but the standard of quality for No. 1 and No. 2 grades be raised. There was considerable discussion over the standard of the different grades. The revised standards of quality for the grades shall be as follows:

No. 1 seed corn on the cob shall consist of sound, well-developed ears that are reasonably uniform and typical specimens of the variety named; it must be carefully selected and be well cured; and the germination on the basis of the average ear tests, must not be less than 95 per cent. No. 2 seed corn on the cob shall consist of sound ears that are reasonably uniform and typical specimens of the variety named; and the germination, on the basis of the average ear tests, must be not less than 85 per cent.

Awards in the Different Classes.

Ten Ears, Bailey: 1, Walkerside Farm, Walkerville; 2, Rayner Peterson, Kingsville; 3, J. Bunn, Kingsville; 4, F. Dornton, S. Woodslee. Golden Glow: 1, Walkerside Farm, Walkerville; 2, F. Dornton; 3, W. Mitchell, S. Woodslee; 4, J. C. Brenner, Alvinston. Leaming: 1, A. L. Fullmer, Kingsville; 2, F. Weaver, Turnerville; 3, W. J. Dalton; 4, T. Brien, Comber. Reid's Yellow Dent: 1, F. M. Printy, Kingsville; 2, L. Malott, Kingsville; 3, J. Annaser, Tilbury; 4, T. Brien, Comber. White Cap Yellow Dent: 1, Walkerside Farm; 2, A. Bunn; 3, G. Newman, Cottam; 4, R. Rousin, Chatham. Wisconsin No. 7: 1, B. R. Cohoe, S. Woodslee; 2, F. Dornton; 3, R. Rogers, Kingsville; 4, P. W. Hornby, Blenheim. Salzer's North Dakota: 1, Wm. McNeil, Kent Centre; 2, J. B. Clark, Blenheim; 3, A. S. Maynard, Chatham; 4, A. S. Campbell, Blenheim. Longfellow: 1, R. H. McClelland, Aylmer; 2, Wm. McNeil; 3, A. S. Maynard; 4, Wm. Blake, Merlin. Compton's Early: 1, W. B. Roberts, Sparta; 2, F. A. Smith, Pt. Burwell; 3, A. McColl, Rodney; 4, H. M. Hesseaur. Sweet Corn for Canning: 1, F. A. Smith, Pt. Burwell; 2, P. Malott, Kingsville. Sweet Corn for late Canning: 1, F. A. Smith; 2, L. D. Hankinson; 3, D. McKillop, W. Lorne. Sweet Corn for Table Use: 1, L. D. Hankinson; 2, I. Smith, Kent Centre; 3, F. A. Smith; 4, R. H. McClelland. Popcorn, White: 1, F. A. Smith; 2, A. S. Maynard; 3, E. Chute, Pt. Burwell; 4, A. E. Wismer, Essex. Popcorn, Yellow: 1, E. Chute; 2, A. E. Wismer; 3, J. Trother. Popcorn, Red: 1, J. Trother; 2, A. E. Wismer; 3, J. Brisley, Thamesville; 4, S. Wyatt. Single Ear—Yellow Dent: 1, R. Peterson; 2, A. D. Underwood, Essex; 3, G. Coghill; 4, L. D. Hankinson.

son. White Cap Yellow Dent: 1, B. R. Cohoe; 2, Walkerside Farm; 3, A. E. Wismer; 4, R. Bonsin, Chatham. Wisconsin No. 7: 1, G. Coghill, Kingsville; 2, R. Hornby; 3, M. Heatherington, Wheatley; 4, F. Weaver, Salzer's; 1, A. S. Maynard; 2, Wm. McNeil; 3, A. Gilbert, Simcoe; 4, A. S. Campbell, Blenheim. Longfellow: 1, L. D. Hankinson; 2, Wm. McNeil; 3, B. R. Cohoe; 4, J. Moe, Aylmer. Compton's: 1, F. A. Smith; 2, J. Moe; 3, P. Upcott, S. Woodslee; 4, A. McColl. Best Bushel Dent Corn: 1, B. R. Cohoe; 2, F. Dornton; 3, W. Anderson, Amherstburg; 4, F. Ure, Maidstone. Best Bushel Flint Corn: 1, R. J. Johnston, Chatham; 2, A. S. Maynard; 3, H. M. Hesseaur; 4, G. McCormick, Harrow. Professional Classes: Ten Ears Dent Corn, any variety: 1, B. R. Cohoe; 2, J. B. Farough, Maidstone; 3, A. E. Wismer. Flint Corn: 1, L. D. Hankinson. Winners in Judging Class: 1, J. McCrae, Pt. Lampton; 2, D. Botsford, Amherstburg; 3, S. McDonald, Pt. Lampton; 4, W. Martin, Amherstburg. Best Ten Ears Dent Corn: 1, Walkerside Farm. Best Ten Ears Flint Corn: 1, L. D. Hankinson. Best Single Ear, Dent: 1, Geo. Coghill. Best Single Ear, Flint: 1, A. S. Maynard. Best Five Ears in Junior Classes: 1, J. McNeil. Best Bushel of Corn: 1, B. R. Cohoe, on Wisconsin No. 7.

GRAINS AND SEEDS.—One Bushel Fall Wheat: 1, F. A. Smith; 2, J. W. Noble; 3, P. McKinley; 4, S. Wyatt. Barley: 1, D. Carmichael, West Lorne; 2, N. Peterson, Kingsville; 3, P. McKinley; 4, W. A. McCutcheon, Glencoe. Oats: 1, J. Martin; 2, E. Chute; 3, S. Wyatt; 4, D. Carmichael. Buckwheat: 1, F. A. Smith. Peas: 1, W. A. McCutcheon. Beans, White, Medium: 1, J. B. Snobelem; 2, R. D. Snobelem; 3, P. McKinley; 4, L. Nelson. Beans, Yellow Eye: 1, J. D. Snobelem; 2, R. D. Snobelem. Alsike: 1, W. A. McCutcheon. Red Clover: 1, J. Martin; 2, B. R. Cohoe; 3, J. M. Panpathey, Aylmer; 4, W. A. McCutcheon. Alfalfa: 1, W. A. McCutcheon. Timothy: 1, B. R. Cohoe; 2, W. A. McCutcheon; 3, C. A. Dalton; 4, M. S. Printy. Flax: 1, B. R. Cohoe.

Canadian Ayrshire Breeders Hold Annual Meeting.

The annual meeting of the Canadian Ayrshire Breeders' Association met in Montreal on February 14. M. Ste. Marie, in his Presidential address, said the Association had enjoyed, during 1916, the most successful year in its history. An increased membership and a larger number of registrations and transfers, had given increased funds to further Ayrshire interests. The money used for this purpose had been economically and wisely expended in grants to exhibitions and dairy tests, and for advertising. The Dairy Standards Act, recently passed by the Ontario Legislature, was commended and termed "progressive legislation" because it accepts the principle of fairness and remedies a grievance, namely, that of pooling milk. The President also recorded a strong protest against the incoming of oleomargarine, and said the Association had done all in their power to prevent it.

The report of the Secretary, W. F. Stephen, Huntingdon, Que., was most gratifying to the members, as it showed a marked progress in every line of Association work during 1916. A number of new Ayrshire herds had been started mostly by young men, who will be an acquisition to the Ayrshire business. Last year the Secretary reported 1,197 members, but there was an increase of 168 during 1916, making the present membership 1,365, as follows: Quebec, 659; Ontario, 394; Alberta, 76; Nova Scotia, 56; New Brunswick, 41; Manitoba, 36; Saskatchewan, 34; Prince Edward Island, 29; British Columbia, 26, and the United States, 14.

The total registrations were 6,041, made up of 4,000 pedigrees, 1,976 transfers, and 65 duplicates. Quebec led in both registrations and transfers, with Ontario a close second in transfers. There was a slight decrease in both registrations and transfers in New Brunswick and Nova Scotia; all the other Provinces showed gains. The work of the Live Stock Record Office was commended, and the Secretary exhorted breeders to be more particular in making out application forms to give correct data and thus avoid error.

The record of performance work during 1916 showed a normal and healthy growth considering that there was a great shortage of labor on our dairy farms. There were 708 entries in 1916, being an increase of 101 entries over the previous year. There was a larger per cent. of registrations; 197 cows and heifers having qualified with increased records of milk and fat, as well as per cent. of fat, and several records were broken. To December 31 last, 879 cows and heifers had qualified. In the silver cup competition, Lady Jane, (mature) owned by A. S. Turner & Son, of Ryckman's Corners, came first with 19,405 lbs. of milk and 786 lbs. fat. This broke all Canadian Ayrshire records for milk and fat production. In the four-year-old class Milkmaid of Orkney, owned by Harmon McPherson, Copetown, Ontario, won with 14,883 lbs. milk and 596 lbs. fat. This heifer made a new butter-fat record by an increase of six pounds. In the three-year-old class, Scotch Thistle, owned by A. S. Turner & Son, secured the cup, with a record of 14,907 lbs. milk and 631 lbs. fat. In the two-year-old class, Lenore 2nd., owned by Harmon McPherson, made 12,052 lbs. milk and 524 lbs. fat. More interest than usual centred in this competition and large records were made.

Lady Jane, referred to in the preceding paragraph, made a high record, but she held it only for a short time. She has been eclipsed by Grandview Rose, owned by Shannon Bros., Cloverdale, B.C. This

cow completed her record in the mature class on January 31, with 21,423 lbs. milk and 900 lbs. fat.

Volume 25 of the Herd Book contains 3,764 pedigrees and 1,407 transfers, and is about the same size as Volume 24. The increased demand for the Annual in 1916 caused the Executive to have 3,000 copies printed, instead of 2,000 as in the previous years. The increased cost was \$191.44, making the cost slightly over 22 cents per copy. There were 12,000 books of Records published and a new edition called "Facts about Ayrshires" was compiled and distributed. There has been a great demand for the free literature sent out by the Association, especially since the commencement of the advertising campaign.

As indicated by the increased number of transfers, many Ayrshires changed hands in 1916. The demand for breeding stock to start new herds was unprecedented and many breeders sold to the limit. Importations were made by R. R. Ness, D. W. Watt, and William Gibson, all of Quebec. Ayrshire Clubs had a very successful year; a feature of their work being the Field Days at which demonstrations in judging were given by experts. The Howick-Huntingdon Club exhibited twenty head at the National Dairy Show held at Springfield, Mass., with excellent results. There are now 253 herd names registered. The registering of a herd name gives the owner the absolute right to use that particular name in connection with the recording of his stock.

With regard to finances, the Secretary reported: "It is gratifying that we close the year with a balance of \$6,383.48, an increase of \$157.10, after having paid a liability of \$501.56, an increase on printing account of \$743.91, also on account of Herd Book Volume 26, \$500, and for advertising \$1,059.81.

In annual meeting a resolution was passed respectfully urging the Ontario Government not to delay the putting into effect of the Dairy Standards Act. The Federal Government was also asked through a resolution not to introduce legislation that will allow the manufacture or sale of oleomargarine.

It has been found that the resolution passed at the last annual meeting governing the disposition of Diplomas to bulls that qualify in the record of performance test cannot be successfully carried out, and as a result a motion was carried to the effect that the Diplomas be sent to the breeder of the bull qualifying, or the importer, in the case of an imported bull, and any owner may secure a copy on payment of fifty cents.

The Secretary was instructed to invest \$4,000 of the surplus in the next war loan issue, and to pay \$100 to the Canadian Patriotic Fund.

A very enjoyable evening was spent at the Banquet spread by the Association. Several interesting and instructive addresses were delivered, and the members had a good time. On Thursday, following the annual meeting, the members visited the farms of several leading Ayrshire breeders in the vicinity of Montreal. Macdonald College was also visited and there they were entertained to a display of live stock. These field days following the annual meeting in Montreal prove to be an interesting feature.

Officers: Honorary President, John Bright, Ottawa; President, W. W. Ballantyne, Stratford, Ontario; Vice-President, L. J. Tarte, Montreal; Sec.-Treas., W. F. Stephen, Huntingdon, Que.; Registrar, J. R. Dawson, Ottawa. Auditors, J. P. Cavers, Ormstown and W. C. Tully, Athelstan, Que.; Vice-Presidents by Provinces: Ontario, W. H. McNish, Lyn; Quebec, Frank Byrnes, Quebec; P. Q.; Manitoba, William Braid, Oak River; Saskatchewan, F. H. O. Harrison, Pense, Alberta, Roland Ness, De Winton; British Columbia, S. H. Shannon, Cloverdale; Prince Edward Island, Jas. Easton, Charlottetown; Nova Scotia, Prescott Blanchard, Truro; New Brunswick, G. C. P. McIntyre, Sussex.

Directors—Western: A. H. Trimble, Red Deer, Alta.; W. W. Ballantyne, Stratford, Ont.; John McKee, Norwich, Ont.; A. S. Turner, Ryckman's Corners, Ont.; Alex Hume, Campbellford, Ont.; Wm. Stewart Jr., Campbellford, Ont.; F. H. Harris, Mount Elgin, Ont. Eastern: R. R. Ness, Howick, Que.; Hector Gordon, Howick, Que.; Gilbert McMillan, Huntingdon, Que.; J. H. Black, Lachute, Que.; M. Ste. Marie, Compton, Que.; L. J. Tarte, Montreal, Que.; Fred McRae, Charlottetown, P. E. I.

Executive Committee: the President, Vice-President Sec.-Treasurer, R. R. Ness, M. Ste. Marie, Gilbert McMillan, Wm. Stewart, A. Hume and John McKee. Delegates to National Record Board: W. W. Ballantyne, John McKee, W. F. Stephen and H. C. Hamill.

The New Brunswick Farmers' and Dairymen's Convention.

The forty-first annual meeting of the New Brunswick Farmers' and Dairymen's Association opened in Fredericton on Monday, January 29th, with by far the largest and most representative gathering of agriculturists ever seen in the province. Both the large attendance present and the very intelligent discussions which took place upon the papers read, provide a striking testimony to the increasing interest which is being taken by those engaged in the cultivation of the soil and the breeding of live stock in the many and various problems which confront them in the course of their avocation.

In opening the proceedings the President, George E. Fisher of Chatham, gave an interesting review of conditions during the past year, which he characterized as the banner year for N. B. farmers. Crops were good and the markets for every kind of produce were the highest yet recorded, with the demand greater