

# Herd Building at the University of British Columbia

A Good Start has been made with Ayrshires, Jerseys and Shorthorns

By J. A. Maclean, Professor of Animal Husbandry.

**D**URING the past year the University of British Columbia under its Department of Animal Husbandry has been gradually assembling foundation stock of most excellent type for its dairy and beef herds.

The herds and flocks of the University must serve various functions. The stock must be used to a large extent for instructional purposes.

The regular four-year students, the men in the short courses and the men in the courses for returned soldiers must be taught correctly the characteristics of the various types and breeds of horses, cattle, sheep and swine, and to judge and select discriminately. Consequently it is essential that the university establish and maintain breeding herds of dairy and beef cattle, of draft horses, of sheep and swine, and these herds must be superior in order that the right ideals of these classes of animals be presented to the men taking the work. The animals must be used for investigational work in breeding, feeding, care and management. In addition to these functions, the University herd should serve as a very valuable source of breeding stock to the breeders of the province.

It will take a good many years to provide the University with the equipment in live stock necessary for thoroughly efficient laboratory work for the students; nevertheless already a good beginning has been made. The university has now at Point Grey, Vancouver, a herd of six purebred Ayrshires, six purebred Jerseys and seven purebred Shorthorns, a total of four young calves. These have been collected with a great deal of care. Recognizing the fact that there are a number of breeders of the highest reputation in the province possessing herds of great excellence, and further appreciating the truth that much has been done to eradicate tuberculosis in British Columbia than in any other part of Canada, it seemed highly desirable to the Department of Animal Husbandry that the possible female stock be obtained from within the province. Concretely this meant that the best breeders of the province be asked to part with their best females in order that the University herd be started properly. The work has been well begun, but is not yet completed. A number of the best breeders of Jerseys and Ayrshires were visited and their cooperation obtained. As a result the university possesses animals of unquestioned merit both from the standpoint of type and production, in these breeds.

## The Ayrshires.

In the Ayrshire herd is Springhill White Beauty with an advance registry record of 12,502 lbs. milk, 573 lbs. fat, as a three-year-old, which for several years was the Canadian three-year-old record. This is a cow of splendid size, great depth of chest and barrel, beautiful udder and beautiful form. She would be an outstanding cow in any herd in America today. This cow was obtained from E. A. Wells, Sardin, B. C. From the same herd came also Evergreen Maid of Beauty 2nd—43732—a three-year-old heifer that gives great promise. Just as outstanding a cow is Jessie's Queen—34091—obtained from Mr. Jos. Thompson, Sardin, B. C. This is a cow of great beauty, style and refinement. As a two-year-old she made 6,128 lbs. of milk and 271 lbs. of fat. She had the distinction of standing second in her class at the Dominion Exhibition in New Westminster a few years ago, and at that time standing above the cow that later was grand champion at the World's Fair in San Francisco. Two cows and a bull were obtained from the Grandview herd of Shannon Bros., Cloverdale. Of these Grandview Grace—42226—has a record of 9,912 lbs. milk, and 282 lbs. fat as a two-year-old. She is a daughter of Springhill Live Wire, which makes her a half-sister to Rose of Grandview the champion Ayrshire cow of Canada. With her came Grandview Polly—51151—that is just three years old and combines the blood of Victor and Springhill Live Wire, two of the best bulls of the Ayrshire breed. At the head of this select Ayrshire herd is the imported aged bull, Leonescock Comet—30586—which for several years has been senior sire in the

Shannon Bros. herd and where his get are promising exceedingly well. He is a bull of splendid size, style, vigor and Ayrshire character.

The Jersey herd was begun by the purchase of Brampton Lady Vancouver—5745—a cow that has never been tested officially but that possesses a



A Representative of the University of British Columbia Ayrshire Herd.

Dairying will be emphasized at the new University of British Columbia farm, and J. A. Maclean, Professor of Animal Husbandry, has already secured a foundation for his Ayrshire and Jersey herds. The females have been purchased from the excellent herds already established in the province. The herds illustrated afford good evidence of the high character of the cattle already selected.

great deal of merit. She was obtained from W. D. E. Rorimont, of Vancouver. Probably the most distinguished Jersey in the herd is Violet of Avelroagh—3905—bred by and purchased from E. H. Barton, Chilliwack, B. C. This heifer holds the three-year-old record for Canada, having produced 13,800 lbs. of milk and 556 lbs. fat, and was one of the choicest

## The Control of Infectious Abortion in Cattle

Methods Followed at the Connecticut Agricultural College—By G. C. White, Connecticut

**U**NLESS the cow that aborts is the very first occurring in a herd, it seems that the logical thing to do is to handle the matter entirely upon a financial basis. Some cows abort for other reasons, but all cases had better be considered as if caused by the disease, unless the blood tests have been applied and point to the contrary, so common is the disease among herds. Generally the wrong attitude is assumed, both for the good of one's self and one's neighbors. Actual facts must be dealt with and general knowledge concerning the disease

things in Mr. Barton's select herd. Lady Jane Champlon—3490—was obtained from A. H. Menzies & Son, Pender Island, B. C. She has just completed her four-year-old record producing 10,247 lbs. milk and 530 lbs. fat. She is a cow of splendid size and dairy capacity with an udder of rare quality. She is a daughter of Tyee George, one of the great sires of British Columbia Jerseys. Her dam is Buff's Lassie, that for both show and production has a splendid record in this record book. Lady Forget-me-not—1234—was obtained from Grimmer Bros., Pender Island, B. C. As a three-year-old she made 466 lbs. of fat, as a four-year-old she made 497 lbs. of fat, as a five-year-old, 547 lbs. of fat, and as a six-year-old over 10,000 lbs. of milk, and over 550 lbs. of fat. Besides this wonderfully good production she is a cow of rare type, size and quality, and she is known for her showy winning at Victoria and Vancouver exhibitions. From a purely type standpoint none of the Jerseys exceed Oak Park Venus, obtained from Mr. Willett, Duncan, B. C. She is just three years old and is a model of Jersey beauty throughout. She is by interested Violet's Oxford, a Moose Hill Farm bull, owned by Mr. Corfield, at Corfield, B. C.

To head this Jersey herd the University has purchased Temisia's Owl's Rogue from R. A. Shibley, Moose Hill Farm, Spencer, Mass. He is by Oxford Lad's Progress and one of Temisia's Owl's 2nd and that has a three-year-old Record of Performance test of 544 lbs. butter, which record was made in about eight months, at which time the heifer met with a serious accident, which nearly ended her life. The mother of this young bull is out of Temisia's Owl's Rose that in 26 months made 2,005 lbs. of butter, and is by Owl's Temisia's Owl, whose dam made 1,589 lbs. of butter in a year and was milked only twice a day. This bull is about two years old. He is a line bred Springfield Owl bull and represents the results of thirty years of constructive work by one of the best Jersey breeders in America. He is a bull of splendid size and show type. He should be a great benefit to the Jersey industry in the province when one considers the group of females on which he will be used.

The Department of Animal Husbandry has greatly appreciated the generosity of the breeders and their cooperation. Not only have they allowed almost free choice from their herds, but they have sold these good females at very reasonable prices, and this the spirit of cooperation deserves recognition.

At the present time the Jersey University has no temporary quarters, but a thoroughly modern dairy barn is under construction, and in another

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should be disseminated to save the useless expenditure of large sums of money annually by cow owners in trying unsuccessful remedies.

Full stimulation to the milk secreting organ does not result when the fetus is not carried full time. If abortion occurs before the fifth month, and no stimulation results and if between the fifth and eighth months, only moderate stimulation results. Few if any cows will pay their way if abortion occurs before the fifth month until after a normal calving, and only the real good ones will pay on stimulation secured from the fifth to the eighth month. Unless the unfortunate cow is a pretty good one, therefore she should be sold to the butcher as the cheapest way out. If kept they may not readily conceive and may even, although not necessarily, abort again. The cow is a valuable producer or valuable for breeding purposes, it is not necessary to dispose of her when properly handled she is no more dangerous than other diseased animals in the herd.

## Shall Aborters be Quarantined?

As a general thing, writers upon this subject advise the separation of aborting cows from the remainder of the herd. There may be some advantages in this but usually this is not easy to do, and where it is done the unfortunate animal is generally placed in very uncomfortable and unsatisfactory quarters. Furthermore, the aborting animal possibly is no more dangerous than the non-aborting though the latter

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A History Maker of the Guernsey Breed.

Brookmead's Dorothy, a Guernsey heifer, owned by Frank G. Thompson, Pennsylvania, as a junior two-year-old, has finished a record production of 14,174 lbs. of milk and 712.68 lbs. of butter fat. Her bull calf was sold at four months of age for \$2,000, a record price for a Guernsey bull of that age. In the last six months of her test Brookmead's Dorothy produced within 100 days as much milk as in her first six months and 36 lbs. more fat.