

FEBVRE. Mare, 1 year old: 1, J. E. Arnold. Foal, 1918: 1, A. Hodge; 2, R. W. Reid. Brood mare and foal: 1, A. Hodge; 2, R. W. Reid. Best female, any age: J. C. Arnold. Best stallion, with three of progeny: D. J. Statton.

AYRSHIRES.

Bull, aged: 1, W. Owens; 2, J. W. Logan; 3, P. McArthur; 4, Ant. Phanel. Bull, 2 years old: 1, D. T. Ness; 2, W. D. Parker; 3, Senator Owens; 4, Senator Owens. Bull, 1 year old: 1, J. W. Logan; 2, P. McArthur; 3, D. T. Ness; 4, P. D. McArthur. Senior bull calf: 1, Sen. Owens; 2, D. T. Ness; 3, W. D. Parker. Junior bull calf: 1, P. D. McArthur; 2, Owens; 3, Ness. Bull, any age: Diploma: Senator Owens, on Bell Boy. Cow, dry: 1, McArthur; 2, Ness; 3, Logan; 4, Owens. Heifer, 3 years old, in milk: 1, Owens; 2, Ness; 3 and 4, Logan; 5, Phanel. Heifer, 2 years old, in milk: 1 and 2, McArthur; 3, Phanel; 4, Parker. Heifer, 2 yrs. old, dry: 1, Ness; 2, Logan; 3, Owens; 4, Ness. Heifer, 1 year old: 1, Owens; 2, Parker; 3, McArthur; 4, Parker. Senior heifer calf: 1, Phanel; 2, Ness; 3, Owens. Junior heifer calf: 1, Owens; 2, Owens; 3, Parker; 4, Logan. Female, any age: Logan. Senior herd: 1, McArthur; 2, Logan; 3, Owens; 4, Ness. Junior herd: 1, Owens; 2, Logan; 3, Ness; 4, Parker.

HOLSTEINS.

Aged bull: 1, Sangster; 2, Harvey; 3, Riches; 4, W. J. Parnell; 5, R. Bemgoid. Bull, 2 years old: 1, Archambault. Bull, 1 year old: 1, Parker; 2, Alexander; 3, Sangster; 4, Parnell. Bull calf, senior: 1, Riches; 2, Archambault; 3, Riches; 4, Parker. Bull calf, junior: 1, Riches; 2, Parnell; 3, Alexander; 4, Parnell. Bull, any age: Diploma: Sangster. Cow, aged, in milk: 1 and 2, Sangster; 3, Bemgoid; 4, Sangster; 5, Archambault. Cow, 3 years old, in milk: 1, Sangster; 2, Alexander; 3, Riches; 4, Riches; 5, Bemgoid. Cow, 2 years old, in milk: 1, Riches; 2, Bemgoid; 3, Sangster; 4, Alexander; 5, Archambault. Cow, 2 years old, dry: 1, Sangster. Cow, 1 year old: 1 and 2, Sangster; 3, Riches; 4, Sangster; 5, Archambault. Senior heifer calf: 1, Sangster; 2, Archambault; 3, Alexander. Junior heifer calf: 1 and 2, Sangster; 3, Riches; 4, Archambault; 5, Parker. Best female, any age: 1, Sangster. Senior herd: 1, Sangster; 2, Riches; 3, Bemgoid; 4, Archambault. Junior herd: 1, Sangster; 2, Riches; 3, Archambault.

JERSEYS.

Bull, aged: 1, Ruiter & Sons; 2, Fearson; 3, Ball. Bull, 2 years old: 1, Ball. Bull, 1 year old: 1, Ball; 2, Bailey. Senior bull calf: 1, Ruiter & Sons. Junior bull calf: 1, Ruiter & Sons. Bull, any age: Ruiter & Sons. Cow, aged, in milk: 1, Ruiter & Sons; 2, Fearson; 3, Ball. Cow, 3 years old: 1, Fearson; 2, Ruiter & Sons; 3, Sylvestre. Cow, 2 years old, in milk: 1, Ruiter & Sons; 2, Ruiter & Sons. Cow, 2 years, dry: 1, Fearson; 2, Ball. Cow, 1 year, dry: 1 and 2, Ruiter & Sons; 3, Bailey; 4, Fearson. Senior heifer calf: 1, 2 and 3, Ruiter & Sons; 4, Fearson. Junior heifer calf: 1 and 2, Ruiter & Sons; 3, Fearson; 4, Bailey. Female, any age: Ruiter & Sons. Senior herd: 1, Ruiter & Sons; 2, Fearson; 3, Ball. Junior herd: 1, Ruiter & Sons; 2, Bailey; 3, Ball.

GUERNSEYS.

Bull, aged: 1, Guy Carr; 2, Ball; 3, Stevens; 4, Carr. Bull, 2 years old: 1, Hon. S. A. Fisher; 2, Ball. Bull, 1 year old: 1, Ball; 2, Fisher; 3, Stevens; 4, Carr. Senior bull calf: 1, Carr; 2, Fisher; 3, Ball; 4, Stevens. Junior bull calf: 1, Ball; 2, Fisher; 3, Ball; 4, Stevens. Bull, any age: 1, Hon. S. A. Fisher. Cow, aged, in milk: 1 and 2, Fisher; 3, Carr; 4, Stevens. Heifer, three years, in milk: 1, Stevens; 2, Fisher; 3, Carr; 4, Stevens. Heifer, two years old, in milk: 1, Fisher. Heifer, two years old, dry: 1, Ball; 2 and 3, Fisher; 4, Carr. Heifer, one year old: 1, 3 and 4, Fisher; 2, Carr. Junior heifer calf: 1, Ball; 2, Fisher; 3, Carr; 4, Stevens. Female, any age: 1, E. P. Ball. Senior herd: 1, Fisher; 2, Carr; 3, Stevens. Junior herd: 1, Carr; 2, Fisher; 3, Ball.

SHORTHORNS.

Aged bull: 1, Parker; 2, Cromwell; 3, Fisher; 4, Elliott. Bull, two years old: 1, Nicolson; 2, Adams; 3, Burton; 4, Algier. Bull, one year old: 1, Cromwell; 2, Nicolson; 3, Parker; 4, McKay. Senior bull calf: 1, Cromwell; 2, Parker. Junior bull calf: 1, Nicolson; 2, Cromwell; 3, Parker; 4, Fisher. Bull, any age, diploma, Parker. Cow, aged: 1, Cromwell; 2 and 3, Nicolson; 4 and 5, Cromwell. Heifer, two years old: 1 and 2, Nicolson; 3 and 4, Cromwell; 5, Parker. Heifer, one year old: 1 and 4, Nicolson; 2 and 5, Cromwell; 3, Parker. Senior heifer calf: 1 and 3, Cromwell; 2, Parker; 4, Nicolson. Junior heifer calf: 1, Nicolson; 2 and 3, Cromwell; 4, Parker. Female, any age: Nicolson. Senior herd: 1, Nicolson; 2, Cromwell; 3, Parker. Junior herd: 1, Cromwell; 2, Nicolson; 3, Parker.

MILKING SHORTHORNS.

Aged cow: 1 and 2, Parker; 3, Fuller. Cow, under four years: 1, Parker; 2, Cromwell.

HEREFORDS.

Aged bull: 1, Algier; 2, Waldron. Bull, two years old: 1, Algier; 2, Howe. Bull, one year old: 1, Algier. Bull, any age: 1, Algier. Cow, aged: 1 and 2, Algier. Heifer, two years old: 1, Algier. Heifer, one year old: 1, Algier; 2, Howe. Heifer calf: 1, Howe. Female, any age: 1, Algier. Senior Heifer: 1, Algier.

ABERDEEN-ANGUS.

Aged bull: 1, Harvey; 2, McLeod. Aged cow: 1, Harvey; 2 and 3, McLeod. All other classes won by McLeod.

SHEEP.—Leicesters—Ram, aged: 1 and 2, Allen Bros.; 3, Parnell; 4, Parker. Ram, shearing: 1, 2 and 3, Allen Bros. Ram lamb: 1, 2 and 4, Parker; 3, Allen. Ewe, aged: 1, 2 and 3, Allen Bros.; 4, Parker. Ewe, shearing: 1 and 2, Allen Bros.; 3 and 4, Parker. Ewe lamb: 1 and 3, Parker; 2 and 4, Allen Bros. Pen, diploma, Allen Bros.

Shropshires.—Ram, aged: 1, Hodgson, Brantford; 2, Kelsey, Woodville; 3, Denis; 4, Parker. Ram, shearing: 1, 2 and 3, Kelsey; 4, Hodgson. Ram, lamb: 1 and 2, Kelsey; 3, Hodgson; 4, Parnell. Ewe, aged: 1, Parker; 2, 3 and 4, Kelsey. Ewe, shearing: 1, Hodgson; 2, 3 and 4, Kelsey. Ewe lamb: 1, Parker; 2, Hodgson; 3, Kelsey; 4, Vaillancourt. Best pen, Hodgson. **Southdowns.**—Ram, aged: 1, Hodgson; 2 and 3, Ayre; 4, Elliott. Ram, shearing: 1 and 2, Ayre; 3, Hodgson; 4, Elliott. Ram lamb: 1 and 3, Ayre; 2, Hodgson; 4, Elliott. Ewe, aged: 1 and 2, Ayre; 3 and 4, Elliott. Ewe, shearing: 1, Hodgson; 2 and 3, Ayre; 4, Elliott. Ewe lamb: 1 and 4, Ayre; 2, Hodgson; 3, Elliott. Best pen, Ayre.

Cotswolds.—Ram, aged: 1 and 3, Denis; 2, Allen Bros.; 4, Sylvestre. Ram, shearing: 1 and 2, Allen Bros.; 3, Denis; 4, Sylvestre. Ram lamb: 1 and 4, Denis; 2, Allen Bros.; 3, Sylvestre. Ewe, aged: 1, 2 and 4, Allen Bros.; 3, Sylvestre. Ewe, shearing: 1, 2 and 3, Allen Bros.; 4, Sylvestre. Ewe lamb: 1 and 3, Allen Bros.; 2, Denis. Pen, diploma, Allen Bros.

Oxfords.—Ram, aged: 1 and 3, Denis; 2, Weir Bros.; 4, Sylvestre. Ram, Shearling: 1, Balsam; 2 and 4, Sylvestre; 3, Weir Bros. Ram lamb: 1 and 3, Balsam; 2 and 4, Weir Bros. Ewe, aged: 1 and 3, Weir Bros.; 2 and 4, Balsam. Ewe, shearing: 1 and 4, Denis; 2, Balsam; 3, Weir Bros. Ewe lamb: 1, Denis; 2 and 4, Balsam; 3, Weir Bros. Best pen, Weir Bros. Best flock of sheep, any breed, J. R. Kelsey.

The swine pens were well filled, as usual, and the character of the exhibit was good. Swine were no exception in the elimination of at least some of the ever-present weeds. John Harvey, of Bedford, Quebec, exhibited over two hundred hogs, including many high-class representatives of nearly all the breeds. W. Miller, of Brome Centre, Que., was another large exhibitor and won a large share of the prizes on his splendid pen of Chester Whites. Unlike the sheep, the swine were furnished from the Province, and the fact that so many really good ones were shown speaks something for the hog business in Quebec.

SWINE.—Chester Whites—Boar, aged: 1, Sylvestre. Boar, yearling: 1, 2 and 3, Harvey. Boar, six months to one year: 1 and 2, Harvey; 3, Sylvestre. Boar under six months: 1, Miller; 2, Sylvestre; 3, Harvey. Sow, aged: 1, Miller. Sow, yearling: 1, Harvey; 2, Miller; 3, Harvey. Sow with litter: 1, Miller; 2, Sylvestre; 3, Harvey. Sow under one year: 1, Miller; 2, Harvey; 3, Sylvestre. Sow under six months: 1 and 3, Miller; 2, Harvey. Pen, Miller.

Tamworths.—Boar, aged: 1, Harvey. Boar under two years: 1 and 2, Harvey; 3, Stevens. Boar under one year: 1 and 3, Harvey; 2, Stevens. Boar under six months: 1 and 2, Harvey; 3, Stevens. Sow, two years and over: 1, Harvey. Sow, under two years: 1, Stevens; 2 and 3, Harvey. Sow with litter: 1 and 3, Harvey; 2, Stevens. Sow under one year: 1 and 2, Harvey; 3, Stevens. Sow under six months: 1 and 2, Miller; 3, Harvey. Pen, Harvey.

Yorkshires.—Boar, aged: 1, Harvey; 2, Owens. Boar under two years: 1, Harvey. Boar under one year: 1, Harvey. Boar under six months: 1, Parnell; 2 and 3, Harvey. Sow, aged: 1, Harvey. Sow under two years: 1, and 2, Harvey. Sow with litter: 1, Owens; 2, Harvey. Sow under one year: 1, Harvey; 2, Parnell; 3, Harvey. Sow under six months: 1 and 2, Harvey; 3, Parnell. Pen, Harvey.

Berkshires.—Boar, aged: 1, Harvey. Boar under two years: 1, Harvey; 2, Stevens. Boar under one year: 1, Harvey. Boar under six months: 1, Stevens; 2, Harvey. Sow, aged: 1, Harvey. Sow under two years: 1, Harvey; 2, Stevens. Sow with litter: 1, Harvey. Sow under one year: 1 and 2, Harvey; 3, Stevens. Sow under six months: 1, Sylvestre; 2, Stevens; 3, Harvey. Pen, Harvey.

Poland-Chinas.—Boar, aged: 1, Harvey. Boar under two years: 1, Harvey; 2, Owens. Boar under one year: 1, Harvey. Boar under six

months: 1, Harvey; 2, Stevens. Sow, aged: 1, Harvey. Sow under two years: Bailey, Stevens, Harvey. Sow with litter: 1 and 3, Harvey; 2, Stevens. Sow under one year: 1, Stevens; 2 and 3, Harvey. Sow under six months: 1, Stevens; 2, Sylvestre. Pen, diploma, Harvey. Best exhibit of swine, J. Harvey, (diploma and silver medal).

Studying the White Grub.

Following the article on "the white grub pest" which appeared in "The Farmer's Advocate" of Sept. 4th, a synopsis of certain investigations by the United States Bureau of Entomology, our readers will be especially pleased to read an announcement by Dr. Chas. Gordon Hewitt, Dominion Entomologist, explaining that the Canadian Department of Agriculture is co-operating with the U. S. Bureau of Entomology by studying the white grubs in Canada, thereby making the investigation international, and including the Northern species and conditions. In Ontario, H. F. Hudson, Field Officer of the Division of Entomology, has been stationed at a laboratory at Strathroy, Middlesex County, in which county these pests have been abundant and injurious during a number of years. Another field laboratory has been established at Treestbank, in southern Manitoba, and there Norman Criddle is studying the Western forms. The Dominion Department would be glad if farmers who have experienced white grub injuries to corn, timothy, pasture land, potatoes, strawberries, etc., would assist in this investigation, by getting into communication with the officers named, or by communicating direct with Dr. Hewitt at Ottawa. It is of very great importance that they should know the history of infestations and character of crops attacked, etc., and it is easy to realize that all the information that can be supplied will very materially help them.

It will be remembered that in May, 1911, there was a very extensive outbreak of the adult June bugs (or May bugs) in Western Ontario; swarms of the beetles appeared after sunset, and the shore of Lake Huron was covered with their dead bodies. These beetles laid their eggs in the spring of 1911, and in 1912 very considerable white-grub injury was reported. This was due to the fact that these beetles live in the grub or larval state for three years (probably) in Ontario, and the maximum damage is done in the second year. This brood of beetles will pupate during the present year, and the adult beetles will emerge next spring. They will lay their eggs in that year, and in the following year, 1915, considerable damage may be expected in those districts in which this brood occurs. In 1914 as large an acreage as possible of such crops as corn and potatoes may be planted in the localities in which the adult beetles appear. These crops should be kept thoroughly cultivated during the time the beetles are flying and laying their eggs.

"When we are in possession of more exact information in regard to the lengths of the life-cycles of the different species of white grubs, their habits and the relative susceptibility of different crops it will be possible," says Dr. Hewitt, "to advise definite methods of prevention and control with a greater degree of certainty than our present lack of knowledge permits."

Urges Field Selection of Seed Corn.

"In the selection of ears of corn for seed," says Professor A. G. McCall, of the College of Agriculture, "it is important that only such ears be selected as have acquired the habit of ripening on time. Also, care should be taken not to select seed ears from plants or varieties that ripen a long time before hard frosts may be expected, for such plants and varieties will yield less corn than those which use the entire season. However, the intelligent selection of seed corn in the field, as maturity approaches, is helpful if it takes into consideration the immediate environment, particularly the stand of plants. A plant growing in a hill with two other plants should be rated much higher for having produced an ear of a given weight than a plant growing in a hill by itself, soil conditions being the same. In other words, the selection of seed corn should be made in the field, where the growing plants may be considered in connection with their environment, and plants growing under less than normal stand or extra-normal conditions of any sort should thereby be disqualified, save in exceptional cases. We want to be sure that the excellence we observe is due to something wrapped up in the seed, and not to something which has happened to the seed, for, if we fail to make these same things happen, the excellence will disappear. A larger number of ears than are needed should be selected in the field, so that later culling may leave the necessary amount of seed. It is well to leave the seed ears on the stock until they are well matured and hardened. Plants bearing the selected ears may be marked by topping or with paint, so that they may be noted and the ears saved at husking time."