(Furnished by the Ontario Department of Agriculture)

Boys Clean Seed

the County of Durham reports that ample he states that in six weeks over acid conditions. 20,000 lbs. of clover seed and 1,000 bushels of grain have been cleaned by the Seed Cleaning Plant at the Boys' Training School, Bowmanville.

Live Stock Winters Well

been marketed than is usual at this public market. If this were developed in excellent condition and Haldimand dustry would be placed on a more prosreports likewise. Breeding stock is perous basis than ever before. bringing a good price in Perth.

More Fertilizer Used

R. H. Clemens. agricultura! representative for Wellington County, Is the authority for some interesting inthis season.

More No. 1 Apples

Fruit Act at an early date. Under the keting. new amendments to the act, the number two and three apples would be the larger ones in another.

Egg Market Settles Down

The imports of eggs from the United States have now practically ceased next week or so.

Fall Wheat Unpromising

The fall wheat situation seems to be anything but promising this year, judging from reports of agricultura! representatives of the various counties in fall wheat to be in a fair condition with elevato. the same to be said for alfalfa and This fact is strikingly shown by the ship. There is a separate enclosure at the acreage will have to be replanted In Lincoln the hard frosts at night have been playing havor with the crop head Middlesex and Peterborough Counties have been fortunate and the crop seems to be in fair condition. The recent fall of snow will improve conditions appreciably.

Lime and Acidity

Success in grain growing and gardening often hinges upon the amount of lime in the soil, it has been found Alfalfa, however, cauliflower and beets, to mention a few of the crops, require enough lime to reduce the acidity. It is a matter for the chemist and the experimental farms to determine where or pasture. lime is lacking and what quantity is needed to be applied. It is well-known. between potato scab and lime. This explained by saying that while an acid from this figure down to 9.183.9 pounds soil eliminates scab it may if too acid of milk. will prevent scab and yet not reduce and nine p.m.

the yield, is very short; so that actually The agricultural representative for the farmers needs very careful lime service to determine his exact need of considerable interest in cleaner seed is lime. Most vegetables crops as a matin evidence in his locality. As an ex- ter of fact, do better under slightly

Poultry Industry Booms

ence in London recently, W. R. Reek declared that a few years ago the Ontario poultry industry was in the dold-Brant county farmers report that rums but that today Canadians constock has wintered well and is in fair sume more eggs per capita than any condition. Generally speaking this other nation in the world—the direct condition prevails throughout the en- result of a customer getting a guarantire province, with an exception here tee with every purchase, in the way of and there. In Carleton live stock having the satisfaction that the eggs prices have been exceptionally good bought had undergone a careful inwhile in Durham fewer members have spection before being placed on the time of year. Glengarry live stock is along other agricultural lines the in-

Value of Co-Operative

At a recent meeting of the Vegetable Growers Association, the vicepresident, Joseph Cyr, pointed out an interesting case where an American formation regarding fertilizers which buyer was in Canada looking for severseems to be quite typical of the situa- a! hundred tons of garden beets for tion this year. In 1928 his county im- canning in disced form. The order ported 125 carloads of commercial could not be filled in Ontario as there fertilizer and in 1929 this increased to was no organization here through 225 carloads. One mixed farming which the beets could be secured at township, twelve miles square, import- such short notice. The Federated Coed 64 carloads. A substantial increase Operative of Quebec, to which he was over last year's figures is looked for referred through its local organizations, experienced little difficulty in finding and grading sufficient beets for the order. The incident points out Drastic changes are possible in the plainly the value of co-operative mar-

Apple Market in West

eliminated and all apples of good The belief is expressed by W. B. in addition to the grain and forage color and No. 1 quality with a minimum Somerset. former overseas representa- raised on the 700 acres of cultivated Martin, Foster Lowe, Anna McLean, diameter of one and seven-eights tive of the Ontario Fruit Growers, that land. This not only supplies necessary (Irene Atkinson and Sadie Osborne) inches in the case of the small type the fruit growers of this province have food for the animals there, but ship- equal. and two inches in the larger type will an extensive and profitable market ments of oats are made to other Canbe graded No. 1, while lower colored awaiting them in the Canadian west adian parks. Given ample food, cold fruit or that with a little scab will be if they will only go after it. There is weather means nothing to the buffalo. James Wells. classed domestic. There will only be very little direct competition between He scorns shelter of any kind and, with two grades in place of the four now Ontario and British Columbia in the the temperature fifty degrees below existent. This is a result of the pre- prairie market except in tomatoes, be- zero, lies down on the snow as comfort- Wesley Vickers. judice often expressed by consumer; cause in apples the British Columbia able as sled dogs in the north, not even against anything marked No. 2 or 3. grower confines himself very largely requiring a bedding of evergreen The new law will also insist that the to fancy boxes predominantly of early boughs such as the dog driver usually small No. 1's be put in one package and varieties. With a good pack of later gives his beasts. sorts in bushel hampers, Mr. Somerset sees no reason why the Ontario grower could not sell a great deal of fruit. Food For Brood Sows

Alfalfa or clover hay fed from racks for the current season. A few car- forms an excellent roughage for brood the snow and eats the succulent grass loads are reported to have come in sows. Roots are also good but may not that cured under the summer sun and Marie Morton. recently but these had been purchased always be available. The meal ration on a previous order. The egg market may vary considerably but should not has settled down quite early this year be too strong. Bran, shorts, ground oats to a spring storing basis and prices and ground barley in equal parts, if fed at a majority of producing points are judiciously at from two to six pounds considerably lower than a year ago. daily, depending on the size and condi-With mild weather prevailing in most tion of the sow as well as the period producing districts it is not improbable of pregnancy, has been found to give that the movement into storage will good food results. Mineral feeds are get under way in earnest within the usually essential and may be supplied either by sods or a suitable mineral mixture containing charcoal, ashes, bone meal, etc.

VALUE OF FEEDING GRAIN

the province. Bruce County reports grade grain than hauling it to the law". He accepts his fate submissively,

sweet clover. Frontenac clover and results of feeding tests conducted at Buffalo park for these pathetic old alfalfa have been subjected to late the Lethbridge. Alta., Experimental frosts which may result in some killing. Station of the Dominion Department of In Haldimand the fall wheat situation Agriculture, where ten purebred Holis acute and this report is duplicated stein-Friesians show an average proby Kent where it is said that some of duction return of \$213.61 per head for always herded on the run and horsean average feeding cost of \$109.99; an average return over cost of \$103 62 per

> These are round figures, that is, they are the actual revenue figures compared with the actual feeding cost figures for a period of one year. As the Superintendent of the station points out, the calver produced from the cows tested more than offset plant depdeciation. falo, there are 500 elk, 1,700 deer, sixty upkeen cost, and manual labor.

alfalfa hay corn ensilage, oat and bar- and perhaps forty or fifty mixed stock ley meal, bran, bone meal, salt and at Buffalo park. Except the ones used in the 132 days in which the herd was the hybridization farm, six miles from

herd was 129 531.9 pounds of milk. The in the same immense enclosure and however, that there is a relationship largest single producer gave 17,786.4 live harmoniously. is bounds of milk, and others tanged from

reduce the yield. Experiments have Come producing heavily were milked together from babyhood and nurse shown that the range of acidity which three times a day, five a.m., one p.m., from the same mother. It sometimes



LOTS OF CACKLING BUT NO EGGS -Bushnell, in the Cincinnati Enquirer. Canada's Buffalo Herd **Over Eight Thousand**

The Big Shaggy Beasts Seek No Shelter in the Coldest Weather and Paw the Snow off the Succulent Grasses to Secure Food.—Survival of the Fittest Determines Monarch.

Beginning with a small herd, two hundred square miles of park was set apart at Wainwright, Alberta by the Dominion government in 1908 as one of Speaking at an agricultural confer- two major reservations where the historic buffalo, all but exterminated by the great slaughter of the 80's can increase and flourish under almost norma! conditions. On the entire continent no place is better adapted for the buffalo. From time immemorial buffalo herds have fattened upon the lush grass there or drunk from the shallow sloughs and lakes.

When there is sufficient grass the park accommodates five thousand buffalo. In March, 1925, the total reached 8,267. That was too many. During the next three summers nearly six thousand were shipped to Wood Buffalo Park, lying between Lake Athabaska and Great Slave Lake in Northern Alberta and the Northwest Territories, seven hundred miles north of Wainwright.

The buffalo at Wainwright are con-Park, unrestrained, the buffalo roam Ross Kearney. the wild north as did their historic Jr. II B-Leona Sibbald, Florence ancestors a thousand years ago.

In addition to the ones sent north. six thousand buffalo have been slaughtered at Wainwright. The meat, Canada, and the hides go to an Ed- Donald. monton furrier.

Comfortable at Fifty Below Zero

Hundreds of tons of slough hay are Levi. cut at Buffalo park during the summer

In winter, food is hauled on sleighs Jean Town. and scattered about by park employees. But the buffalo will shift for himself if there is any feed left on the range. All winter long he paws away is the food best suited for him.

Ready to Fight When One Hour Old Most of the calves are born in April. May and June. Minus a hump for the first few weeks, they resemble domestic calves except for the burly, woolly head. Pugnacious and inheriting buffaloes' age old dislike of man, a calf an hour old will charge the wardens that some times take them from their

Each buffalo herd has its leader, a powerful bull, who "rules" until a younger and stronger one defeats him in a gory battle and drives him out of There are better ways of using low the herd. Then he becomes an "outnever attempting to regain leader-

> Vigorous and hardy and possessing great endurance and remarkable speed. despite their clumsiness, buffalo are men must work fast to corral them. Whenever a herd is approached, the bulls always drop to the rear of the cows and calves to protect them against threatened danger. If cornered the weaker ones find refuge behind a circle of lowered heads and bristling horns. Few animals have a more ferocious look than a buffalo bull.

In addition to its five thousand bufmoose, a few antelope, twenty five or Included in the feeding ration was thirty yak, a herd of domestic cattle molasses. Also included in cost for crossing and breeding purposes at the main entrance, near the centre of The actual milk production by the the reserve, most of these animals are

Crossed With Domestic Cattle In order to cross buffalo with domes-

tic cattle, the animals must be raised requires a month or more before the Angus or Hereford cow will permit the young buffalo to feed, and she registers her displeasure by such furious kicking that she must be tied before the calf is led in.

In nature's scheme of things, the buffalo's wildness and tremendous strength do not seem to be well adapted for crossing with cattle that have been domesticated for thousands of years. The first cross is known as a hybrid. At maturity, it is larger than either parent. Not until they have been crossed several times is the name cattalo applied. Cattalo retain the strength and endurance of the buffalo and his ability to withstand cold, and they are invariably gentle like their domestic forefathers. Their flesh is excellent, as good as the best domestic beef. No matter how many times they are crossed and recrossed, the white face of the Hereford never can be bred from any of the offspring.

There are excellent automobile trails in Buffalo park. The animals have become used to motor cars and pay little attention to them.

Numbers of buffale can be seen from trains of the transcontinental railway near Wainwright. But the main herd is confined in a section about 120 square miles in area some distance from the tracks. A herd of three or four thousands of these shaggy beasts as they feed up wind in irregular formation is an impressive sight.

SCHOOL HONOR ROLLS

Durham Public School

Sr. IV-Arthur Koch, Harold Trafford, Jean Moffat, Mary Pickering, Sadie McEachern. Jr. IV-George Lloyd, Jack Gagnon,

Earl Snider, Nathan Ritchie, John Greenwood. —J. A. Graham, Principal.

Sr. III A-Olieda Hahn, Carman Noble, Jean Rowe, Norman Greenwood. Olivene Yiirs. tor Goodchild.

Whitmore, Mona McDonald. Henderson. -Kathleen L. Firth, Teacher.

Jr. III A-Gordon Kennedy, George Prew, Clark Saunders, Robert Milne, Margaret Wilson. Jr. III B-Vera Collinson, Lynn Vol-

lett, Edith Miles, Laurine Campbell, Percy Murdock. -Clara McCrae, Teacher, Sr. II A-Helen Gagnon, Betty Mc-

Intyre, Jessie Grant, Margaret Sparling, Annie Tinianov.

Murdock, Clyde McCallum, Grace Vollett, Eilene Tucker. -Florence M. Kress, Teacher.

Jr. II A-Isabel Fiddes, Margaret fined within seventy three miles of high Armstrong, (Janet Robb and Catherine mash wire fence, but at Wood Buffalo Rowland) equal, Jimmie Braithwaite.

Bolger, George Ball, Ernest Stewart, Eulalia Wilson.

-Mary E. Morton, Teacher. Sr. I A—(Rita Morrison and Isabel bought by a packer, is sold on the Stewart) equal, John Collier, Harry public markets throughout western Schenk, Philip Sparling, Helen Mc-

I—Helen Gerber, Willie Noble, Jean Herrington, Clarence McLean, Mae

-Daisy A. R. Mather, Teacher. Sr. Pr. A-Gladys Gray, Florence Sr. Pr. B-Ralph Wilson, John Mc-

Eachern, Harold Walker, Vera Neaves, Sr. Pr. C-Pearl Vickers, Kalmore Gerber, Effie Collier, Eleanor Storrey,

-Elma L. Ball, Teacher. Jr. Pr. A-Abie Tinianov, Kenneth Thompson, Gordon Armstrong (David

Rowland and Emily Whitmore) equal, Jr. Pr. B-Russell Murdock, Audrey Collier, Margaret Derby, Floyd Law-

rence, Keith Greenwood. Jr. Pr. C-Eugene Lake, Ralph Stewart, Gordon Rimmer, Ina McLean,

—Lizzie Schaefer, Teacher.

S. S. 6, Bentinck

Sr. IV-Clarence Vickers, Erma Mighton. Jr. IV-Eddie McDougall.

Sr. III-Roy Brunt. Jr. III-Levi FOR PAST MONTH Vickers, Ruth Vickers, Kenneth Mac-Cuaig, Carman Hopkins, George Porter, Frank Sharpe. Sr. Pr.-May Hopkins, Edna Porter, Alfred Sharpe. Jr Pr. A-Bobby Mighton, Maurice Brown,

James . Porter. B-Duncan McDougall. -Mary C. MacQuarrie, Teacher

Sr. IV-Chester Miller, Charlie Mighton. Jr. IV-Johnny Vessie, Clayton Reay. Sr. III-Georgie Miller, Glenna Lawrence, Archie McLean: Jr. Sr. III B-William Stewart, Mary III-Georgina Vessie; Sr. II-Marjorie Firth, Essel McArthur, Reta Innis, Vic- Vessie, Ewen Ritchie; Jr. II-Ralph Miller, Mitchell McLean, Margaret Sr. III C-James McAuliffe, Eldon Vessie, Gordon Vessie. I-Bryson Betty Clark, Bernice Reay. Pr.—Ethel Vessie, Maude Reay.

U. S. S. 2 Bentinck and Glenelg

—Islay W. McKechnie, Teacher.

WORK BEING CARRIED ON

Some time ago a sensational New York preacher deliverd a discourse on the subject, "The Devil is Dead." Dr. Parkes Cadman, perhaps New York's most celebrated divine, on being asked while conducting an open forum what his opinion was, replied: "I have had Sr. II B-Florence Greenwood, Albert no intimation of that gentleman's decease but if it has occurred someone has taken his place and is doing a roaring business at the old stand."

Conductor (to crowd swarming round Biemann. II-Elsie Biemann, Gordon a bus already full): "Full up, full up! This is a bus, not a flypaper!"

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Campbell's Tomato Soup, 2 for Heinz Tomato Soup, 2 for Clark's Pork & Beans 2 for Tall and short Lantern Globes, 2 for Hee Hive Table Syrup, 10 lb. pails Ginger Snaps, 2 lbs. for Currant Loaves of Bread, each Redpath Granulated Sugar, 16 lbs. for Jelly Powders, 4 for Fresh Vegetables always on hand also a variety of smoked meats. Notice to Farmers RENNIES NO. 1 CLOVER SEED HERE

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shells . . . how much they must depend on you for the things they need to live and get big. They need/ a feed filled with nourishment. A feed which will build bones quickly . . . building muscles strong . . / change fuzz to feathers in a hurry . . . all this they demand . . . and yet their little crops can handle only one tiny thimbleful of feed a day! What a job for feed! Consider Purina Chick Startena (mash) for this

job! In every thimbleful are twelve ingredients! Cod-liver oil . . . dried buttermilk . . . alfalfa flour . . . granulated meat . . . these and eight others are there, ... each one with a real job to do Purina Starten is mixed over and over again . . . 960 times just to be thorough! And you will find the same care taken with Baby Chick Chow (scratch) . . . to be fed with Startena.

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