

ANNOUNCEMENTS Seed Treatment More Prevalent

CITY & QUEEN'S

RED CROSS Swimming Enrollment for beginners and Pre-school children at Kiwanis Swimming Pool at 9:30 August 10, 11th. Classes begin on August 13th. Enrollment for Juniors, Inter-mediate, and Seniors same time at Life Guard Station Victoria Park.

30 PERCENT OFF all Summer Footwear at LePages. 133 Grafton Street, City.

MENS, WOMENS, childrens Summer sandals and shoes 20 per cent off at LePages 133 Grafton Street, City.

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PRINCE COUNTY

ASSORTMENT of sun suits, group of bathing suits 2-4-6-\$2.00 each, hats caps, etc., clearing at 50 cents to \$1.00 Holmes and Bradley's.

HOME made Ice Cream Social in Malpeque Hall Monday August 10th 7:30 p.m. Sponsored by W.I.

MY OFFICE will be closed from August 3rd to 22nd inclusive. Morley M. Bell, Summerside.

ST MARY'S Commercial School Summerside will register qualified applicants at the Academy now for September opening.

DR. PETER MacDonald, of Crapud, will be on holidays August 10th, to August 21st.

LOT 8 Parish Picnic at West Point Wharf Tuesday August 18th.

ST. ANTHONY'S Parish Picnic, Bloomfield Wednesday August 12th. Turkey dinners from 3 to 9 p.m. Bingo and other games. Refreshments.

KING'S COUNTY

THE CLOSING program of Emmanuel Bible Camp, Dundas, will be held on Friday at 8 p.m. Besides musical program by the campers, color slides of the Pilgrim's progress will be shown. All are cordially invited.

REGULAR Thursday night dance Eldon Hall 9:30-12:30 Burns Orchestra.

WEDNESDAY only at Yeo Theatre—Tom Thumb with Russ Tamblin, in color. An excellent movie for the whole family.

Dance Iona East School every Monday night.

PROVINCIAL plowing match and Agricultural fair, September 9th and 10th, prize list on request. Albert Acorn, Secy, Cardigan.

THE REGULAR Tuesday night dance held in Lorne Valley Hall, will not be held this Tuesday.

BINGO—St. Margaret's Hall, Tuesday August 11th, starting at 8:30. Two jackpots \$35 each.

DANCE Simnott Road School Tuesday August 11. Good music.

NOTICE BOYS 11-15, Montague and Vicinity, who are interested in joining the Scouts. You are invited to attend Scout camp being held Aug. 16 to Aug. 22 at camp Buchan. Contact Eric Duvar Montague. Fee \$8.00, bring your own blankets.

DANCE C.Y.C. Hall, Cardigan every Monday night; Webster's Orchestra.

Seed Treatment More Prevalent

At least 41 seed treatment products will be offered for sale in Canada during 1957, some with a wireworm insecticide added. Since the various types of fungicides must be applied in the form of dusts, slurries (wet dust or paste) or liquids, machines designed for this purpose must be used for each form of application. Dr. J.E. Machacek of the Plant Pathology Laboratory, ODA, Winnipeg, Man., says that although dry preparations containing liquid preparations by about three to one, the dry form can easily be converted to a slurry for use in machines designed for wet treatments.

Treating seed grain with fungicides is a very exacting technique if the job is done efficiently. To be effective the chemical must be applied in small quantities and each kernel must be coated evenly. For these reasons it is advisable to use available seed treating of seed by stationary or mobile units. The latter is probably the most efficient method of treating seed. A factory-made machine is a necessity when treating large volumes of seed.

In the United States there has been a decided increase in recent years in custom cleaning and treating of seed by stationary or mobile units. In anticipation of increased custom treating of seed in Canada, several large-capacity cleaning and treating units have been placed on the market. Custom work of this nature is advantageous to the farmer in several ways. Cleaning and treating operations are performed uniformly and expertly and the farmer is saved the time and labor involved in seed treatment and it is not exposed to dust of fumigants. Also, the cost of cleaning and treating in this way is not great.

SMUT BALLS SCREENED—In instances where seed treating and cleaning operations are done separately, Dr. Machacek emphasizes the importance of performing the cleaning operation first. Passing seed through the fanning mill will remove many of the disease-producing organisms in addition to the coarser material, chaff and weed seeds. Through this process many smut balls and ergot bodies are screened off, and light kernels which are likely to be diseased are blown away. Moreover, thoroughly cleaned seed can be treated with a disinfectant more effectively than uncleaned seed.

Although much of the cereal seed grown in Canada is free from disease, a certain percentage is always infected. This infection results in reduced germination, leaf spotting, head blight or smutiness, leading to a reduction in crop yield. In addition to lower yields the market value of the crop may be reduced and a further loss may result from livestock poisoning due to scabby or ergotty grain used as feed. Total loss to Canadian farmers several million dollars annually.

Artificial Insemination Seen Successful On P.E. Island

Artificial insemination has been used with great success in Prince Edward Island during the past few years in breeding beef and dairy cattle. It is quite possible that within the next few years other species of farm animals will be reproduced commercially in this way. While it is not a new technique, the Charlottetown Experimental Farm has been the first in this area to make extensive use of artificial insemination in poultry. It is being used exclusively in breeding projects at the farm and has proven very satisfactory.

The reasons for using artificial insemination in poultry are quite different from those for cattle. The main values of artificial insemination in cattle breeding are that the herdman is spared the expense and danger of keeping a bull, and he can make use of the best available sires in the country. However, in poultry—breeding, the keeping of roosters is neither very costly nor dangerous, and at the present time, little emphasis is placed upon using individual outstanding males.

The great value of artificial insemination to the poultry breeder is that he can produce pedigree chicks from many sires without the expense and labor of providing many small breeding pens. In a large breeding operation, the poultryman houses breeding hens in a large floor pen. The males are kept in a separate pen or in cages. Each male is assigned on paper to be bred to five or ten females in the large pen. When hatching eggs are required, the hens are corralled and bred artificially to their assigned mates. This need be done only once or twice each week during the breeding season. When breeding is stopped, fertility of the eggs rapidly decreases and the desirable infertile market eggs are then produced. Using natural mating, ten small breeding pens must be used to test ten males; using artificial insemination many males can be tested in one large pen.

Fertility through artificial insemination can be equal to or better than that through natural mating. An experienced crew can inseminate several hundred birds in an hour, the cost of this labor being greatly offset by the saving in constructing and equipping small breeding pens and in providing the extra labor to care for them.

Artificial insemination can also be used in areas where laying hens are kept in individual cages, the birds being used to produce hatching eggs or market eggs as required. Similarly it is applicable to the production of non-pedigreed chicks in large flocks.

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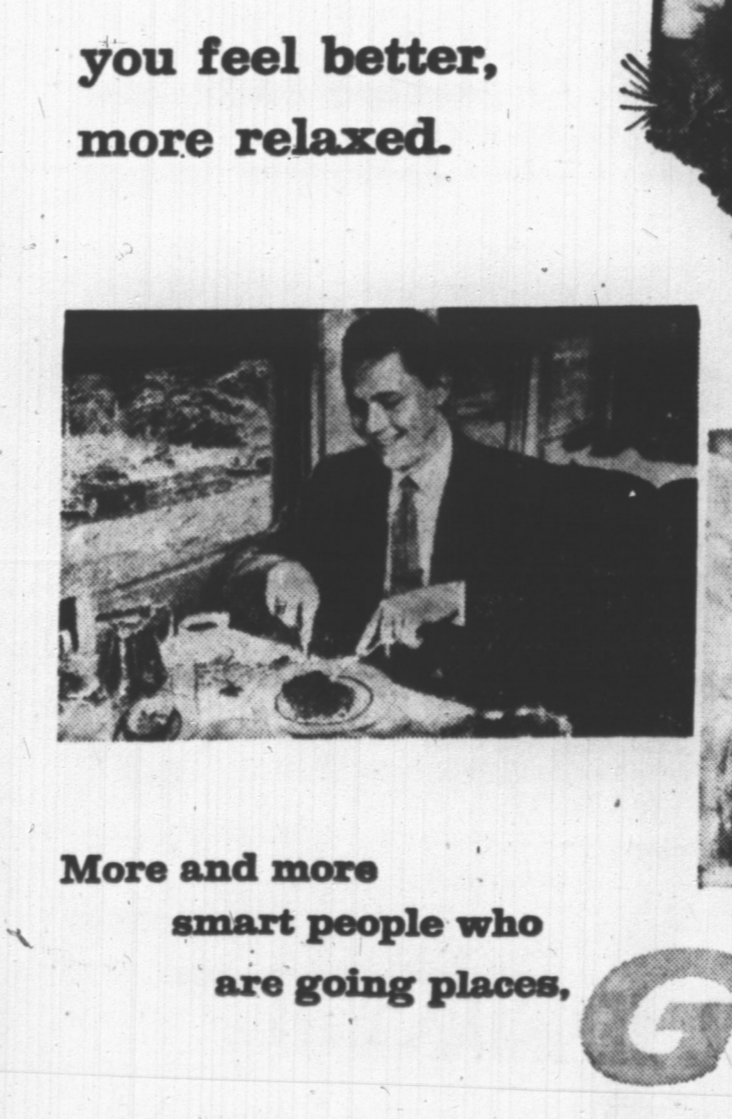
G. F. Cameron District Mgr., Summerside
J. C. Montgomery Charlottetown
J. Fulton Pierce Charlottetown

LIMESTONE POLICY
Prince Edward Island's limestone policy has done much to improve the productivity of pasture land. A government subsidy of \$3.60 per ton on ground limestone makes it possible for farmers to secure the product for \$3.30 — \$5.00 per ton bulk, landed at the station.

BLANKETS MADE HERE
Woolen blankets of excellent quality are manufactured by two Island firms, at Charlottetown and Bloomfield. These blankets produced in attractive shades and patterns find a ready market among American visitors and other tourists who come to the province each year.

When you go CNR she feels better, more secure... you feel better, more relaxed.

More and more smart people who are going places, GO BY TRAIN CANADIAN NATIONAL PAY LATER



The Guardian, Charlottetown, Mon., Aug. 10, 1959 15

GOODMAN DEBUT
NEW CANAAN, Conn. (AP)—When Rachel Goodman made her debut Friday night as a classical pianist, she had a first-rate accompanist. On the clarinet was Benny Goodman, her father. Sixteen-year-old Rachel played a Mozart trio with her father and violinist David Dawson.

EXTEND FISHING LIMITS
GODTHAAB, Greenland (Reuters)—The Greenland Council, the island's internal "Parliament" Saturday urged the Danish government to extend fishing limits around Greenland. The council suggested an agreement be drawn up on the lines of a British-Danish agreement establishing a 18-mile limit on trawlers of all nations except Britain, which was allowed to fish up to six miles off the faroes coast.

ST. PETERS LOT 11 A.Y.
The annual meeting of the St. Peter's Junior A.Y.P.A. Lot 11 was held at the home of Janette Banks on July 24th. Meeting opened with prayer by president, followed by scripture reading by Clara Banks. Psalm 38 was read responsively. Roll call was answered by 7 members.

OFFICERS for the following year: The president, vice-president and secretary treasurer were appointed but it wasn't certain at time of meeting if they would accept. Ronald Banks was appointed for Wider Horizons. Publicity secretary is Janette Banks. Janette Banks was also appointed for missionary projects.

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Births, Deaths, Marriages

(When death notices are received too late to be included on this page, they appear for one edition on page two and are transferred to this department in the next edition.)

BIRTHS
BLANCHARD—At the Charlottetown Hospital Friday August 7th, 1959 to Mr. and Mrs. J. Elmer Blanchard, Charlottetown, a daughter 7 lbs, 6 ozs.

ENGAGEMENTS
STEWART—MacLEOD—Mr. and Mrs. James Stewart Caledonia, wish to announce the engagement of their daughter, Sally Louise to Robert Martin, son of Mr. and Mrs. Willard MacLeod, Kinross. Marriage to take place August 29th in Caledonia Presbyterian Church at 4 p.m.

DEATHS
MacKAY—At Malpeque, August 9th, 1959, Mrs. George MacKay, age 72 years. Remains are resting at Davison's Funeral Home until Tuesday noon, then to Malpeque United Church where funeral services will be held at 2 p.m. Interment in People's Cemetery, Malpeque.

ROONEY—At the Charlottetown Hospital on August 8, 1959, Mrs. Margaret Rooney, 137 Dorchester Street, age 84 years. Her remains will rest at the Hennessey Funeral Home. Funeral arrangements will be announced later.

MacLEOD—At the P.E.I. Hospital on Saturday, August 8, 1959, Jessie Catherine (Daisy) MacLeod, of Orwell. Her remains were forwarded from the Jenkins Funeral Home on Saturday evening to her late residence. The funeral from St. Andrew's Church, Orwell, on Monday afternoon, service commencing at 2 o'clock. Interment will be in the church cemetery.

CARD OF THANKS
The Conohan family, Cardigan, wish to thank all people of Cardigan, Montague and Georgetown and surrounding districts for their donations and assistance following the loss of their home by fire.

IN MEMORIAM
BLAKENEY—In loving memory of a dear husband and father, Atwood G. Blakeney who passed away August 10th, 1947. Silently the years race by but thoughts of you will never die. For in God's garden now you sleep And He will keep you till we meet. Sadly missed by wife and family.

MacNEILL—In loving memory of our dear husband and father who died as a result of a car accident on August 10th, 1942. The month is here with deep regret. It brings back a day we will never forget. He fell asleep without saying goodbye. But memories of him will never die. Always remembered by wife and family.

BERNARD—In loving memory of our dear daughter and sister Betty Ann Bernard who passed away as a result of an accident August 10, 1955, age 15 years. Two loving hands are resting.

For us just over the hill. It is only good night dear Betty As we always used to say We'll see you again in the morning. At the dawn of a beautiful day. Lovingly remembered by mom, dad, sister and brothers.

MURRAY—In loving memory of my nephew Walter Murray who was killed in a car accident at Clyde River August 10th, 1955, and my little niece who died August 11th, 1955 from injuries received in the accident. Along the road of yesterday That leads me straight to you As memories of the happy days Together we once knew. And always every evening I seem to have a way Of wandering back to meet you On the road of yesterday. Lovingly remembered by aunt Alice.

MacGUGAN—In loving memory of our dear mother, Mrs. Philip MacGuigan, who passed away August 10th, 1954. This month is here with deep regret. It brings back a day we will never forget. But memories of her will never die. A happy home we once enjoyed But death has left loneliness The world can never fill. Sadly missed by husband and family.

Good Pasture Is Cheap Feed

BY W. N. BLACK (Illustration Stations)
Good productive pastures constitute by far the cheapest, most nutritious feed provided the dairy or beef herd. Fresh green pasture herbage is rich in protein, minerals and vitamins, all of which are necessary for the maintenance of health and the productivity of livestock.

The importance of pasture in Eastern Canada is clearly indicated by the relatively large acreage devoted to this crop. Pastures as a general rule however, consist of some of the roughest, hilliest and otherwise unutilized sections of the farm and are usually one of the most neglected crops.

A comparatively small acreage on Prince Edward Island farms is devoted to permanent pasture, as regular meadow fields are usually grazed one or more years during the course of the regular farm rotation. Since production generally falls off rapidly during the early part of July, it is imperative that growth of herbage in permanent pastures be sustained until aftermath in meadows is available for pasturing.

While sufficient quantities of manure are not usually available for top dressing permanent pastures or meadows, light fall dressings serve to facilitate the establishment of wild white clover and to extend the grazing period for livestock. Studies associated with pasture fertilization and management on four Experimental Project Farms on Prince Edward Island, over a nine-year period show that ten tons of manure per acre, applied once every three years, increased the production of herbage by 1.81 tons in June; 0.54 tons in July; 0.46 tons in August; 0.93 tons in September and 0.54 tons of green herbage in October. On the basis of total production, it was found that for each ton of manure applied to permanent pastures, the annual increase was 0.95 tons per acre of a highly nutritive feed.

Annual fall applications of 500 pounds 6-12-12 per acre, without manure, resulted in a yield increase of 4.62 tons per acre or a 47 per cent increase in production of forage over unfertilized areas.

Light applications of manure once every three years supplemented by annual spring applications of 500 pounds 6-12-12 per acre gave rise to a 90.7 per cent yield increase, or an additional 8.82 tons of green herbage per acre at a cost of only \$2.35 for each extra ton of feed produced.

Distribution of droppings by means of lever harrows or chain drags further off-sets the development of a rank bunchy growth of herbage which is not relished by livestock. This operation can best be undertaken during mid-summer and early fall, when the soil is firm.

Careful management of grazing areas must go hand in hand with an improved fertilization program. Over-grazing during the late fall months may render legumes and grasses more susceptible to winter injury.

Controlled grazing in permanent and rotationally grazed pastures, where cattle are moved from one field to another, relieves the pressure of continual grazing, particularly during periods of prolonged dry weather.

Where insufficient stock are carried to graze the lush spring growth uniformly, mowing before the grasses shoot into head will promote at aftermath of tender nutritious herbage both in permanent and rotational pastures. Periodical mowing further proves beneficial in controlling troublesome weeds in pasture fields.

Where an ample supply of early spring forage is assured, fertilization the latter part of June, mid-July and mid-August has increased and sustained production later in the season in tests at country points.

The strain of over-grazing may also be overcome by the production of supplementary crops such as fodder corn, grass silage and kale, each of which serves as valuable sources of feed for livestock.

Funeral Director

N. D. MacLEAN
FUNERAL DIRECTOR
15 King Square
Charlottetown
Dial 5549

place most of the emphasis on the way an article looks to the buyer rather than on how it will taste or wear. That tendency seems to be a part of modern times, and not likely to be reversed. But if they can succeed with potatoes there is still hope for other things.

Farm Machinery Is Deadly Killer
Modern farm machinery can be a deadly killer. It accounts for roughly one-half of all fatal farm work accidents. The farm tractor, our most universal machine, naturally rates highest in this group as a single source of farm accidents.

DO'S
(1) Keep the tractor in safe condition at all times.
(2) Drive carefully along steep slopes and banks.
(3) Always keep power-take-off shield and other safety shields in place.
(4) Be careful when cranking any motor.

DON'TS
(1) Don't permit extra riders at any time.
(2) Don't travel at unsafe speeds.
(3) Don't dismount from tractor before stopping the power-take-off.
(4) Don't hitch to any part of the tractor except the drawbar.
(5) Don't wear loose clothing.

All Potatoes Look Alike
Potatoes have a large degree of monotony in appearance. Leaving aside the potatoes which resemble ducks, or grow five tubers in one or boast similar irregularities, when you've seen one potato you've seen them all.

The several departments of agriculture in Canada are perturbed about the invisible characteristics of potatoes which are not subject to the same standardization. As far as ordinary grading for size, blemishes and the like is concerned, there have been good results. But the effect has been mainly to improve the appearance and label the quality of the product so that the purchaser is assured of what he is getting.

QUALITY DECLINES
The inside of the vegetable has not received the attention it deserves. At the same time that appearance has been improved, eating quality has slipped a bit. The authorities are reminding growers that people buy potatoes to eat, not to decorate their kitchen cupboards.

Growers are being urged to go easy on the fertilizer compared with past years, on the ground that heavy fertilization means large crops of watery, poor quality potatoes, nor properly matured.

VARIETY CRITICIZED
The Katahdin variety comes in for criticism too. It has lower cooking and eating qualities than the old fashioned Green Mountain. Farmers are being urged to turn away from the Katahdin, which is fine to knock at and use one of the new varieties such as Canso or Keswick.

This emphasis on internal worth instead of external appearance is most refreshing. It could be extended to a great many other things, and not confined to potatoes.

The GREENDAL Co. Ltd.
144 - 150 GREAT ROYAL STREET

Greendal's Summer Sale Continues

Men's Windbreakers. To 8.95. Sale 3.00	Ladies' Coats. To 69.50. All our best. Sale— 20.00 & 25.00
Men's Foam Rubber Sole Shoes. To 7.95. Sale 3.98	Girls' and Boys' Coat Sets, also Burberries. To 12.95. Sale 5.00
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