

Agricultural News

P. E. I. Department of Agriculture

Potato Competitions

Three very important events to potato growers of Prince Edward Island are now scheduled to take place shortly. The first of these is now on, namely, the "Trade and Industries Fair", conducted at the Fox Show building, Exhibition Grounds, under the auspices of the Y's Men's Club of Charlottetown. A special Province-wide contest with appropriate prizes, October 21st, 22nd and 23rd, will be held at the Cobble, Sebago, Green Mountain, Katahdin, Pontiac and any other variety, and in tablestock potatoes will be conducted, with prizes of \$5.00, \$3.00, and \$2.00, in each division, and a Grand Champion award of \$10.00 and a Reserve Champion of \$5.00. Entries will consist of thirty potatoes averaging about eight ounces each, for seed, and nine ounces for tablestock, to be delivered to the Seed Certification Office at the Experimental Farm, Charlottetown, on or before Wednesday, October 23rd.

A special trophy has been donated by the P. E. I. Department of Agriculture for the best exhibit of potatoes at the show in the seed classes, other than any other variety. The "Potato King" as the Trade and Industries Fair calls him, will be crowned on Saturday evening, and this should make a rather colourful and interesting ceremony. It seems appropriate that in this Province a competition of this kind should be held.

The Maritime Winter Fair at Amherst will also have a competition open to Prince Edward Island potato growers, and very substantial prizes and trophies are available. Last year our Prince Edward Island exhibitors in the Seed Competition had things pretty much their own way, and it is hoped that due care will be exercised in selection for this competition, this year, and a substantial number of exhibits be entered.

The third and probably the most important competition from the standpoint of markets is that of the Royal Winter Fair. Handsome prizes are donated at this Fair. The Department of Agriculture pays the transportation expenses and the P. E. I. Potato Marketing Board is assisting in the entry fees. The competition at this fair is a medium of fine publicity for our potatoes, and it is expected that another year an appropriate potato display will be carried out at this show. In the meantime, however, the individual exhibitor with the assistance and co-operation of the Department of Agriculture should co-operate to the fullest possible extent in placing in competition the potatoes grown under his own direction.

These three outstanding public functions afford a fine opportunity for Prince Edward Island growers to display the excellence and merit of the various varieties of potatoes grown in this Province.

Recent research has shown that dairy cattle usually do not suffer from vitamin deficiencies when good rations are fed. Deficiencies of one or two of the vitamins may occur in stock that are not properly fed. Some of the vitamins are of special interest because they occur in milk and are important in human nutrition. A few of the more important vitamins will be discussed in relation to normal nutrition or milk composition.

Vitamin A: Although essential for growth, health and reproduction, is especially important in preventing infections of the mucous membranes of the respiratory and digestive systems. Carotene, a color pigment found in the green leaves of plants, is the original source of vitamin A in animals. Vitamin A is colorless. When cows are on green pasture, their milk is richer in color and higher in vitamin A than when fed on the usual winter rations of hay and grain.

Since carotene and vitamin A are destroyed by oxidation, freshly cut hay when exposed to the sun and rain loses part of its vitamin A potency. It is also true that hay stored in the mow may lose most of its vitamin A before spring. Dairy cows fed old colored hay for prolonged periods may develop symptoms of a vitamin A deficiency. The lack of this vitamin may result in diarrhoea and slow growth in calves and in the case of cows, lowered fertility and birth of weak calves. Inflammation of the eyelids, sore watery eyes, sensitivity to light and blindness are other symptoms of a vitamin A deficiency.

Vitamin B: Originally considered to be a single vitamin it is now known to consist of at least three separate vitamins, namely thiamin, riboflavin and nicotinic acid. While these are known to be important for other classes of animals, they are not important for dairy cattle. It may be mentioned, however, that nicotinic acid has been used to control scours in newborn calves.

Vitamin C: Ascorbic acid prevents scurvy in man. It is not important in the feeding of farm animals because it has been shown that they are able to build up ascorbic acid from other substances in their feed. Some recent experiments have proven that the injection of ascorbic acid has improved the activity and fertility of certain slow breeding and low fertility bulls, and has also increased the fertility of cows.

Vitamin D: Vitamin D is known as the "sunshine" or anti-rachitic vitamin. It is this vitamin that enables animals to utilize calcium and phosphorus. The need for vitamin D is high during periods of growth, and it is therefore important in the feeding of calves to prevent the development of rickets. It is also important during pregnancy for the normal bone development in the unborn calf, and during lactation because milk contains relatively large amounts of calcium and phosphorus.

Growing plants contain little or no vitamin D, but do contain a substance known as ergosterol, which is changed to vitamin D by exposure to sunlight or ultra violet light rays. Therefore only rays that have been exposed to sunlight or ultra violet light rays are good sources of vitamin D. Grasses, roots and tubers contain no vitamin D. Dairy cattle usually receive their vitamin D from succinate hay as well as by their exposure to sunshine. Summer succinate hay has been tried, but that of the winter months in hanging certain sterols in the animal tissues to vitamin D.

Milk varies in its vitamin D content according to the amounts of vitamin D in the ration and in the animal's exposure to sunshine. Summer milk contains more vitamin D than winter milk. Considerable interest has been shown in the production of milk that is rich in vitamin D. Feeding cows cod liver oil or other fish oils rich in vitamin D has been tried, but has resulted in a decrease in fat production and other undesirable effects. The feeding of irradiated yeast to cows has resulted in a considerable increase in the vitamin D content of the milk. Irradiated milk with ultra violet light and by adding a vitamin rich concentrate directly to the milk are the usual methods employed in producing milk rich in vitamin D. These practices are, however, only justified when a special demand develops or when there is a marketing arrangement can be made.

Vitamin E: This is the vitamin associated with reproduction. All natural feeds contain this vitamin, and it is especially rich in the germ of seeds. There is little possibility of sterility in dairy cattle arising as a result of vitamin E deficiency when they are receiving a ration of reasonable variety and quality. While the feeding of wheat germ oil rich in vitamin E for improving the fertility of cows and bulls has met with some degree of success, the improvement may possibly have been derived from constituents other than vitamin E. Certain other vitamins have been isolated but it has not yet been shown that they are important in the feeding of dairy cattle.

4-H Clubs: Classes of Instruction are conducted throughout the year, in the Prince Edward Island Sewing Clubs. Annual competitions are held to decide the Provincial winners in the various divisions. The following is a list of the girls who won top honors.

Protestant Orphanage Contributions

Wanda Benson, Longworth Avenue, Euston Street continued. W. G. Harbour Ltd. \$10.00 \$2.00 each: Rev. G. C. Webster, Misses Coles. \$1.00 each: Fred Chandler, G. Kerr, Gordon Wellner, Florine MacMillan, Mittle Pickard, Etta Coles, Mrs. J. D. Webster, S. B. Stewart, Mrs. Russell Pickard. 75c: H. Huggan. 50c: Mrs. Arnold Gorveatt, Mrs. Ivan Sinclair. 20c: Miss Audree Morrissey. North River Road

Mrs. G. C. Peake \$10.00 \$2.00 each: Mrs. F. W. Hyndman, Mrs. Walter Pickard, Mrs. A. F. Owen, Johnson & Son, Mrs. J. A. Wilson, Mrs. W. S. Veale, Mrs. Ethel Pickard, Mrs. Kenneth A. Parker. \$1.00 each: Mrs. J. B. Larkin, Mrs. Ivan R. Brown, Mrs. H. H. Peake, Mrs. Harry T. Morris, Mrs. Loran McLellan, Mrs. J. J. Connolly, Mrs. Stirling MacDonald, Mrs. A. W. Hyndman, Mrs. Harry Cudmore, Mrs. Paul Hansen. 50c: Mrs. I. Rankin. Borton Road

Mrs. J. P. Lantz \$5.00 Benj. Rogers Sr. 5.00 Mrs. Lloyd Stevenson 5.00 W. G. Hogg 5.00 R. S. P. Jardine 5.00 Dr. Dewar 5.00 Miss Irene Horne 5.00 Mrs. A. V. Saunders 5.00 Mrs. A. C. Sinclair 4.00 \$2.00 each: Mrs. James MacMillan, Mrs. C. M. McLean, Mrs. T. E. MacNutt, Margaret Cotton, Mrs. W. L. MacDonald. \$1.00 each: Mrs. Keith Kennedy, Mrs. A. C. Cox & Lauri Cox, Mrs. D. G. MacMillan, Mrs. B. E. Rogers, Mrs. L. Sadler, Mrs. E. Ralph Dumont, Mrs. P. M. Simmonds, Mrs. E. E. Sinclair, Mrs. (Dr.) Campbell, Mrs. Myron Bell, Mrs. C. H. Foster, Mrs. F. H. Sellar, A. friend. 50c: B. MacKinnon, Mrs. John Simpson, A. friend. Staff P. E. I. Hospital

Mrs. Lois MacDonald \$3.00 \$2.00 each: B. Tweedy, Isabel Steel, Jean Campbell, Mrs. W. P. Bruce, Evelyn MacMurrer, H. MacLaine, Edna Reid, Marjorie MacPherson, Jeana MacRae, Mrs. Frda MacKinnon, Jessie MacNaughton, Kaye Williams, Shirley Stross, Constance Cooke, Helen Crosby, Elizabeth MacEachern, Betty Pendleton, Thelma Locke, Janet Jes, Edna Nicholson, Mildred Thompson. 50c: Margaret Goodwin. Lower Hillsboro Street

Dr. W. H. Soper \$5.00 William Worthy 5.00 \$2.00 each: Thomas Mills Meat Market, Weeks Grocery, Mrs. E. Burnett, Mrs. John Gilmore, F. N. Kays, Mrs. Edward Miller. \$1.00 each: Mrs. J. E. Holmes, Edna Levers, Mrs. W. E. Prowse, Louis Campbell, Mrs. Fay Glover, Mrs. A. E. Horne, Mrs. D. G. MacCallum, Mrs. Guy Dalling, Mrs. Henry Bernie, Mrs. Stanley Thompson, Mrs. Parmenas Hughes, Mrs. Robert MacWilliams, Mrs. Ewen Campbell, Mrs. M. A. Howat, Mrs. George Eves, Mrs. J. H. Williams, Mrs. John Bulman, Mrs. Walter Craswell, Mrs. A. J. Watts, Mrs. Ralph Worth, Mrs. George Sutherland, Miss Eleanor Lowe, Robert F. Acorn. 50c each: Mrs. Wilfred Peters, Mrs. W. Rucham, Mrs. Michael Robinson, Mrs. J. H. Sturdy, Mrs. D. E. Grinham, A. friend. 40c: Mrs. Martin. 35c each: Robert Coffin, A. friend. 25c each: Mrs. Everette Wylie. 4 friends.

Richmond Street East A. C. Duchemin \$5.00 Miss Mary Johnson 3.00 \$2.00 each: Rev. A. Frank MacLean, Neil Robinson, Mrs. J. T. Rodd, Mrs. Cyrus MacMillan. \$1.00 each: E. L. Weeks, Mrs. A. R. Smith, Mrs. L. A. Stems, Mrs. A. E. Smith, Mrs. A. G. Matheson, Alberta Lewis, Mrs. J. A. MacNair, Mrs. J. Gordon MacKay, Mrs. J. M. MacLeod, Mrs. A. Martin, Mrs. Clifford Moore, Mrs. D. L. MacKinnon, Mrs. Frank Wheatley. 50c each: Jennie Turner, Mrs. L. S. Watts, Mrs. A. S. MacNeill, Mrs. Conmstock. Ambrose Street

A. Friend \$5.00 Mrs. R. E. Seller 5.00 Mrs. F. J. Chappell 5.00 \$2.00 each: Mabel Newson, Mrs. H. B. Hillison, Mrs. W. Wilson, Mrs. K. M. Martin. \$1.00 each: Mrs. L. MacDonald, Mrs. J. Howatt, Mrs. J. Burden, Mrs. LeBaron Tait, Robert Pierce, Mrs. Harry Down, D. M. MacGuire, A. O. F. Gill, Mrs. Lloyd Hawkes. 50c each: Mrs. Roland Taylor, Mrs. Crabbe, Mrs. F. W. Boyles. 25c each: Mrs. Robert Inman, a friend. McGill Avenue and McGill Terrace

Mrs. O. H. Currie \$5.00 \$1.00 each: Mrs. A. L. Rupp, Mrs. George Johnston, Mrs. A. D. MacKenzie, Mrs. Florence MacInnis, Mrs. C. L. Boyer. 50c each: Mrs. H. C. MacLeod, Mrs. W. J. Bruce, Mrs. W. H. Andrew, Mrs. L. Smallwood. Provincial sanatorium Dr. E. M. Found \$3.00 \$2.00 each: Dr. Ross Stewart, Mrs. F. M. Sterns, Mrs. Lester Douglas, Mrs. Laura Clapp, Mrs. Bessie Bernard. \$1.00 each: Fraser Morrison, K. \$1.00 each: Duvar, Mrs. Neil MacPadden, Mrs. Bertha Brander, Mrs. A. B. MacLeod, Emma Thomas, Valerie Rogers, Lucy A. MacLure, Mrs. Flo. MacInnis, Mrs. Mary MacNeill, Thelma Millar, Mrs. Lily Peel, Jeanette Gilmore, Isabel Watson, Winnie Schurman, K. MacLennan, Margaret Hardy, Marian Ryan, Margaret Ross. 50c each: Annie Cameron, Jane Hunter, Eveline Bapper. Mrs. Earl Ings, Cherry Valley.

THE CENTRAL GUARDIAN

This column is reserved for news of local interest, but advertising of a newsy nature may be inserted at five cents a word, strictly payable in advance.

COOK'S for Perfect Pictures. CRASWELL for Better Photographs. HOWARD MACINNIS FOOTWEAR at 175 Queen Street.

MILK - the perfect food, order another quart. BAPTIST EVANGELISTIC CAMPAIGN - Guests from local churches.

KEROSENE Refrigerators in stock. Firestone Bryenton and MacKay. WANT TO SEE HI STYLE? - The new Fall Jackets by Pape are stars. See them today. Henderson & Cudmore.

WEDNESDAY TO SATURDAY - Home Cooking, White Elephants at Y's Menettes "Country Store" Trade Fair, Exhibition Grounds.

SPECIAL NOTICE TO YOUNG PEOPLE'S - Don't miss hearing Barbara McNutt of Mt. Allison University tell about Youth and the Alcohol Problem. Hearzt Hall, October 27th, 8 P. M.

NEW GLASGOW W. M. S. The Auxiliary of the New Glasgow W. M. S. held its September meeting at the home of Mrs. Chalmers Laird, with the presence of Mrs. L. A. Stewart, Mrs. "God's Grace-the Water of Life," "O Master Let Me Walk With Thee" was sung. Mrs. Chalmers Laird read John 4:13-14; Miss Anna Stevenson read Rev. 22:1-2; Mrs. Murray Orr read Ephesians 2:4-8, and Mrs. Millar Orr read Gal. 2:20, followed by "Blest Be the Tie That Binds".

"Give A Thought to Africa" was read by Mrs. Heath Houston, and Miss Lynetta Brown read "Sorg of the Emancipated, Thanks to Thee".

Minutes of the last meeting were read and approved. Roll call was answered by nine members, two associate members, and five visitors. A letter from Winnifred Thomas was read saying the quilt had arrived. It was moved and seconded that \$10.00 be sent to Toronto to help pay for postage on parcels sent overseas.

It was also decided to write to Rev. Mr. Tilley about a special service in aid of the W. M. S. As herald Mrs. Davis Moffatt read the Cause for Thanks, and the Christian Steward secretary gave a reading. There were six calls made in homes. The mite-box offering was \$7.44, the thank-offering \$9.00, associate members \$2.00, and collection \$2.45, amounting to a total of \$20.89.

Roll call for the next meeting will be the letter N, the place of meeting Mrs. George Brun's. Appointment are: leader, Mrs. Stewart Parkman; missionary prayer, Mrs. Stewart Parkman; heralds, Mrs. Edwin Stevenson and Mrs. Stewart Parkman.

The closing hymn was "God's Labour On", followed by the Lord's Prayer.

IN MEMORIAM

MISS AGNES DRAKE The death at the P. E. Island Hospital on Sunday, October 19, of Miss Agnes Drake of North River in her 74th year came as a great shock to her many friends throughout the province, and leaves another vacant chair in the dwindling family circle.

The late Agnes Drake is survived by her brother Roy, and three sisters, Mrs. (Capt.) Stanley, Charlottetown, Mrs. Frank Younker of Vancouver, B. C., and Mrs. W. M. Archibald of Prince Albert, Sask.

Many friends and relatives were in attendance at the service held from the MacLean Funeral Home on Tuesday afternoon, October 21st. The service was in charge of the Rev. Mr. Harry Barber of North River Baptist Church.

The pall-bearers were Messrs. Gordon MacMillan, Otto Newson, Fred MacLaren, Lloyd Burhoe, Harry Scott and John Ellsworth. Interment was in East Wiltshire Cemetery.

The sympathy of the community will go out to all members of the family.

Card Of Thanks

The husband, children, sisters and brothers of the late Mrs. Garnett Affleck, wish to thank all those who sent flowers, letters and cards of sympathy and to express appreciation to all their friends and neighbours for the many acts of kindness shown during their recent sad bereavement.

KING COLE COFFEE

First choice for fine flavour!

COMPLETE VISUAL REFRACTION AND ANALYSIS

G. F. HUTCHESON & SON Optometrists 53 Grafton St.

We And Our Neighbours

by Ruhamah Scheinfeld Frank

DID THEY CHOOSE WISELY? Into the room that Jane and Henry Roberts were preparing for the arrival of their first-born, flew their Fairy Godmother. They weren't a bit surprised. They weren't a bit surprised. They weren't a bit surprised. They weren't a bit surprised.

"Well, my children," said the Godmother, "I'm sorry I have only one gift to bestow upon your son. A son! The young couple shook hands in joyful congratulation.

"Yes, a son and a healthy one," continued the Godmother somewhat wryly. "It has always seemed to me that a healthy baby, male or female, should be enough for any parents. However, as I can grant only one of these gifts, which do you choose for your boy: High Intelligence? Happiness? Or Uprightness? Answer at once. The chances are that you'll want for your son what you yourselves have wanted most."

"High Intelligence," exclaimed Jane and Henry simultaneously. They thought, "It's our son's 'umph', a sound great-aunt Mary made when she was displeased with the young generation - but perhaps it was the stir of air left by the Godmother as she disappeared through the window.

"Maybe she wanted us to choose the gift of uprightness," Jane considered somewhat guiltily. "But if our son has a fine mind, won't he know that to lead an upright life, is the best way?"

"That almost adds up to 'Honesty is the best policy,'" said Henry thoughtfully. "And that isn't what we want. We are hoping, aren't we, that a person of high intelligence can see through things that don't count and work for those that have real value."

"But most of all, we are hoping," added Jane, "that our son's high intelligence will help him find happiness as well as other good things."

Are Jane and Henry justified in putting as much faith in high intelligence? We shall discuss this matter further in later columns, but now, just what do we mean by intelligence?

There seems to be a strange separation in our thinking on this important difference in human beings. We rightly measure intelligence in the adult by his way of acting. He handles the situation intelligently, we say. He uses

judgment. He applies his knowledge. But too often we make our children feel that only those who gain and retain book knowledge best, are intelligent.

Learning easily from books, is certainly one kind of intelligence, but there are other kinds. Many sports require real intelligence. The quarter-back on the football team, for instance, needs to have certain mental abilities. He must call the right plays at the right time. He must know the strength and weaknesses of his team-mates. He must be able to size up his opponents.

Many a boy who does poorly in school, as you know, works wonders with radios and other machinery. That too is intelligence. The girl who can cut a dress from a pattern and fit it and add little personal touches, is showing intelligence though she fails in mathematics.

The IQ or Intelligence Quotient does not do justice to the different kinds of intelligence possessed by different individuals. And perhaps, more important, it does not show that most people are more intelligent in some directions than in others. Constant research has developed a keener measure of intelligence. This breaks down "general intelligence" into basic abilities that make up this intelligence. It shows for example that Edna, though a fine scholar for the most part, isn't slighting her mathematics on purpose. She is simply very low in that special ability. Even though we use these newer intelligence tests, called the SRA Primary Ability tests, we believe some further discussion of them next week, may be of value.

PERSONALS Miss Ida Monaghan and Master Michael Smith of Brooklyn, New York, have returned to their home after spending their vacation with Mr. and Mrs. Fred Thomas, South Granville, and Mr. and Mrs. Orville Taylor, North Granville, as well as many friends and relatives in Charlottetown.

BRONCHIAL COUGH

Are you kept awake by a nerve-racking bronchial cough? Is phlegm so tightly packed in your bronchial tubes, no amount of coughing seems able to dislodge it? Try RAZ-MAN. RAZ-MAN capsules are especially made to loosen phlegm, so it comes away easily and you are relieved of coughing and wheezing. Get RAZ-MAN for quick relief. 65c, \$1.35 at druggists. R-56

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"The day new Jewel was perfected," says Martha Logan, Home Economist for Swift, "we started testing all our hopes for it - in every kind of cake recipe. The results were honestly sensational! New Jewel baked higher, richer, finer-textured cakes every time, using both the quick-mix or regular-creaming method. At last, a popular priced shortening has all the expensive 'extras' . . . quick-mixing speed . . . super shortening power . . . plus the smoothness and blandness of costlier shortenings!

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Free Recipe Folder: Learn more about the new quick-mix way to make cakes. Write to Martha Logan, Swift Canadian Co., Limited, Toronto, Ontario, for your free copy of the New Jewel QUICK-MIX Recipe Folder. Easy recipes for quick-mix cakes . . . more regular-cream recipes . . . plus Jewel's own basic mix! A must for all fine cooks! Swift Canadian Co., Limited.

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judgment. He applies his knowledge. But too often we make our children feel that only those who gain and retain book knowledge best, are intelligent. Learning easily from books, is certainly one kind of intelligence, but there are other kinds. Many sports require real intelligence. The quarter-back on the football team, for instance, needs to have certain mental abilities. He must call the right plays at the right time. He must know the strength and weaknesses of his team-mates. He must be able to size up his opponents. Many a boy who does poorly in school, as you know, works wonders with radios and other machinery. That too is intelligence. The girl who can cut a dress from a pattern and fit it and add little personal touches, is showing intelligence though she fails in mathematics. The IQ or Intelligence Quotient does not do justice to the different kinds of intelligence possessed by different individuals. And perhaps, more important, it does not show that most people are more intelligent in some directions than in others. Constant research has developed a keener measure of intelligence. This breaks down "general intelligence" into basic abilities that make up this intelligence. It shows for example that Edna, though a fine scholar for the most part, isn't slighting her mathematics on purpose. She is simply very low in that special ability. Even though we use these newer intelligence tests, called the SRA Primary Ability tests, we believe some further discussion of them next week, may be of value.

EVENING ART CLASSES FOR ADULTS

Re-open Thursday, October 23rd, 7:30 p.m., at the Art Centre, 2nd floor Market Building. Classes in figure drawing, painting, etc., open to beginners and advanced students. Registration Thursday evening. Registration fee \$3.00 for 1952-53 season. (\$2.00 for members of P. E. I. Arts and Crafts Guild).

PRINCE EDWARD ISLAND TUBERCULOSIS LEAGUE MOBILE X-RAY UNIT SCHEDULE



Table with columns for day, school name, and time slots. Includes entries for Thursday, Friday, Monday, Tuesday, and Wednesday at various schools like Parkdale School, Spring Park School, West Royalty School, and Central Royalty School.

Advertisement for 'UP SHE GOES' at Parkdale Hall. Directed by H. Barry Bugden. Tickets available at Hughes, Reddins, Abegweit and Rendezvous.

Advertisement for 'Card Of Thanks' from the Protestant Orphanage, expressing gratitude to donors and staff.

Advertisement for King Cole Coffee, highlighting its fine flavor and quality.

Advertisement for Jewel Challenge Cake, featuring a recipe and promotional text about its popularity and quality.

Advertisement for Jewel Challenge Cake, showing the product packaging and providing a detailed recipe for the cake.