

Agricultural News

F. E. L. Department of Agriculture

A very interesting Conference of Ministers and Deputy Ministers was held in Edmonton during the first week in August. As a result of the Conference recommendations on several phases of agriculture have been prepared for submission to the Federal Government. Many problems were discussed by these top agricultural officials, and among the more important were: the dairy industry, animal disease control, marketing legislation, and soil conservation problems.

Before the Conference a Committee was appointed to give further study to a constitution for the setting up of a permanent organization whereby provincial agricultural policies could be coordinated. At the conclusion of the Conference the delegates were taken on a tour of the southern part of the Province, and shown some of the agricultural highlights in that area. These included a visit to a cattle ranch, inspection of the irrigated areas around Lethbridge, a visit to the St. Mary's Dam, and a tour through the Kananaskas Forestry Reserve.

The Conference and tour was very instructive, and by meeting with the top ranking agricultural officials from other provinces many ideas are exchanged to the mutual benefit of all concerned.

Nature of Soil

Soil is a natural body consisting of an intimate mixture of mineral material, organic matter, air, water, and a vast population of living organisms of diverse size and kind, including the very important micro-organisms.

The mineral material of the soil is present in the form of gravel, sand, silt and clay particles. The relative proportions of the different sized soil particles determine the soil texture which in turn controls the circulation of air and water through the soil. The nature of the mineral material, its chemical and mineralogical composition will also influence the character of the soil and its plant nutrient reserve.

While the mineral material forms the greater proportion of the soil mass, organic matter is an essential part of a good agricultural soil. Soil organic matter is derived from dead and decomposing plant and animal residues on and in the soil. It exists in the soil largely as a very finely divided dark coloured substance known as humus. The presence of soil organic matter, or humus in the soil is important because it is the source of energy for many soil activities, it is the essential source of food for the living organisms in the soil, it is an important source of nitrogen, and it is also necessary for its beneficial effects upon the tilth and moisture-retaining capacity of the soil.

The chemical and biological activities necessary to convert the mineral and organic materials into a suitable medium for plant growth and for the maintenance of a fertile soil could not proceed without the presence of air and water in the soil. The amount of air present in the soil varies inversely with the amount of water. Both air and water circulate through the pore space of the soil consequently the texture, structure and tilth of the soil are important factors. Water also occurs as a thin film around the soil particles. Air is necessary in the soil. It supplies oxygen for the proper functioning of plant roots and many micro-organisms of the soil. It supplies carbon dioxide which unites with soil water to form a solvent of minerals, and in this way assists in making the minerals available for plant use. The soil

water also acts as a carrier of plant nutrients and functions as a nutrient itself.

A true soil teems with living organisms. Each kind of organism has its effect upon the soil. The larger members such as moles and angle worms, by their burrowing, help to aerate the soil as well as aiding in the transfer of material in bringing about chemical and physical changes. They decompose plant and animal residues, play an important part in the building up and making available of plant nutrients in the soil. They also influence the efficiency of natural and artificial fertilizers added to the soil and are in themselves a source of plant nutrients.

It is evident then, that soil is a complex natural body in which many activities take place.

Feeding Fundamentals

In the previous article a discussion was started on the Nutrient Factors needed for the use of Dairy Cattle. Proteins, Fats, Carbohydrates and Total digestible nutrients were dealt with.

Water

Three-fourths of a cow's body consists of water. Blood contains 78 per cent and milk 87 per cent water. Water is the medium carrying digested foods and oxygen to the body cells and waste products from them.

Studies have shown that cows watered twice daily will produce 1 per cent more milk than cows watered once daily. Cows given feed access to water will produce an additional 2.8 per cent more milk than when watered twice daily.

Minerals

Many different minerals are essential for dairy cattle. Of these, some are needed in only very small amounts and probably are naturally present in adequate amounts in any dairy ration. The cow by nature relies on hay, pasture and other roughages for the major source of minerals. However, it is known that most roughages vary greatly in their mineral contents according to the amounts of the respective minerals present and available in the soil.

"Thus we have 'deficiency areas' being discovered for various minerals. These are increasing in number and importance, particularly because of the gradual depletion of the soils from continuous cropping and particularly because of the increasing demand for minerals due to the high productive level of our modern dairy cow.

Salt, furnished two essential minerals, sodium and chlorine, the formation of digestive fluids are extremely important in the formation of digestive fluids and juices found in the stomach and small intestine. The addition of salt to ration is always advisable. One per cent in the concentrate ration, with access to additional salt as the cow wishes it, is recommended.

Calcium and Phosphorus are the major constituents of bone and teeth and are the principal minerals found in milk. Both are necessary for growth and milk production. To meet the requirements for these minerals, the total ratio of a cow or yearling heifer should contain not less than 5 per cent calcium and 4 per cent phosphorus. Higher levels are required for young calves.

The proportion of calcium to phosphorus is as important as the actual amount. This proportion or ratio of calcium to phosphorus should be between 1:1 and 2:1.

Phosphorus deficiencies occur frequently in cattle than do calcium deficiencies. The symptoms are quite striking and include woodiness, poor appetite, loss of flesh and a very unthrifty appearance. Roughages, particularly those containing legumes, usually are fairly rich in calcium but vary considerably with the soil and season in both calcium and phosphorus content. Grains are low in calcium and contain a fair amount of phosphorus.

Oil meals and wheat bran are good sources of phosphorus. Ordinary ground limestone is a good source of calcium. Bone and meal and various calcium and phosphorus. Raw rock phosphate should be avoided because of the poisoning effects of fluorine present.

Club News

On August 16 the Prince County Fieldman visited each individual calf club member in the Kensington Calf Club and gave instructions

CITY & DISTRICT

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JIMMY'S TAXI - Dial 7378 1370 or 5252.

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YOUR DOLLAR BUYS MORE - at the HUGHES DRUG STORE.

RECONDITIONED refrigerators from \$50.00 up. Storey Electric.

HUNTER RIVER Beauty Salon closing for holidays Sept. 1-13.

SPECIAL Lace trimmed nylon slips \$2.98 and \$3.98. Suter's Ladies Wear.

SPECIAL OUTSIDE WHITE PAINT, \$3.75 gallon. Douglas Bros. & Jones Ltd.

SPECIALS AT HELEN'S - All Summer Dresses 1/2 price. New address 125 Kent.

CAKE SALE by Marahfeld Women's Institute on Saturday, afternoon at 2 p. m. S. A. MacDonald's.

SCHOOL BOOKS. - We have all Grades at greatly reduced prices. Charlottetown Exchange Store, 93 Richmond Street.

SCHOOLS in School Unit No. 1 will open Wednesday, September 1st. All children enrolling for the first time should be vaccinated. Gordon M. Rice, Secretary of School Unit No. 1.

ACCIDENT ON BRACKLEY PT. ROAD-Owing to lack of visibility, what might have been a serious accident, occurred on the Brackley Pt. Rd., close to the intersection of the Covehead Cross Rd. on Sunday evening, when a truck from Winslow was in a collision with a sedan from Baltimore, U.S.A. Fortunately no one was seriously injured.

WIN PRIZES - Prize winners at the C. W. L. art drawing held in the annual Provincial convention last week were as follows: 1st. Prize - (lamp) Mr. Leo Murphy, China Point; 2nd. (blanket) Mrs. Edgar Hickey, Indian River; 3rd. (card table) - Miss Hilda Lewis, St. Peter's Bay; 4th. (magnifying glass) - Miss Helen Hughes, Morell; 5th. (cushion) - Mrs. Elsie MacDonald, Mt. Stewart; 6th. (sail boat) - Mrs. Joseph Bradley, 123 King St. Charlottetown; and five prizes of \$1. each to - Mr. Raymond Feehan, Mt. Stewart; Mrs. J. Naddy, Orwell, Mrs. Arthur McMicken, Albany, Mrs. Stephen Gillis, Chestnut Ave., Summerside, and Mr. Gerard Steele, St. Peter's Bay.

SAIORS' SNUG HARBOR was erected on Staten Island, though supported

SURVIVES BROTHER - Omitted from the list of survivors of the late Ashford Wesley Ford published yesterday was Mr. Raymond Ford, brother of the deceased. As well, a sympathy message was received by his family from Miss Kay Garnham.

PERSONALS

Mr. John Dougan returned home after spending a week-end with Edith Ford, Tracadie Cross.

Mr. Lloyd Cullen has returned to Toronto after spending his holidays with his parents, Mr. and Mrs. Earl Cullen, Bedford.

Mrs. C. A. Beer and her daughter, Miss Betty Beer, have arrived from Toronto, Ont., on a visit to Charlottetown. They are guests of Miss Bessie Beer.

Mr. Arnold Hubley, vice principal of Union Commercial College and principal of Maritime Correspondence College, has left on a two-week visit with his parents, Mr. and Mrs. Milford Hubley, Brighton, Mass. He will also make a short trip to New York City.

Inspector W. L. MacIntyre of the Winnipeg Police Force, Mrs. MacIntyre and son, Vincent left August 18 on their journey homeward, after spending a pleasant vacation visiting their many relatives and friends on the Island. Mr. MacIntyre's brother, Rev. Brother Damien, accompanied them as far as Montreal.

Mr. and Mrs. G. H. (Ning) Dolron, accompanied by Miss Doris Dolron, left Saturday by motor for Montreal. On Tuesday, they attended the Profession ceremony of Sister Alexis Marie (Eileen Dolron), the daughter of Mr. and Mrs. Joseph A. Dolron, Connolly St.

YORK POINT MISSION BAND

The July meeting was held at the home of Mrs. Clarence Murchison, with an attendance of 11 members and two visitors.

Patsy lead the meeting, which opened by singing "Jesus Bids Us Shine," followed by purpose and prayer, scripture was read by Willard, continued story of Bob and Beth by the leaders, and a reading by Wilma. Collection was taken by Irene. Hymn, "When He Cometh" closed the devotional part.

A treat of ice cream and cake was given by Mrs. Murchison and Mrs. MacEwen and a social hour spent.

Card Of Thanks

I wish to thank Drs. Lea and Seaman, Nurses and Staff of the Prince Edward Island Hospital and those who remembered me with flowers, cards, treats, and visits while a patient.

Frank N. Kays.

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I wish to thank my many friends who called at my home during my illness, those who sent letters, cards and treats. Also Dr. Stewart who attended to me.

Janet Folland.

The Gowan Brae Calf Club met at the home of Club Members, Danny, Norbert, and Earl MacDonald. Because of the weather and other attractions there was only a small attendance.

The Souris Line Road North Calf Club held a Judging Class at the home of Peter MacIsaac on Thursday evening, August 19. The members did an excellent job of placing two difficult classes.

The regular meeting of the Northern Calf Club was held on August 16 in Northam School. Business was discussed. Next meeting to be held on September 6.

Ruhamah Scheinfeld Frank

We and Our Neighbors

Sailors' Snug Harbor

This summer at many a gathering of visiting sons and daughters of the Island, regrets have been expressed, I am sure, that the considerable rise in real estate values hadn't been foreseen. Perhaps it isn't too late! One Scotchman, Captain Thomas Randall, who lived up to the reputation for canny of his people, made a comfortable thing of privateering (honestly pursued) during the American Revolution and left his son Robert, a twenty-one acre farm. At the time of the son's death in 1801, the farm was valued at \$12,500 and now it is assessed at \$30,000! It did happen to be located in the Greenwich Village area, and New York University, Wannamaker's Department Store, the famous Brevort and Lafayette Hotels (now being torn down) and many important residences and office buildings were built upon the site—but you can never tell.

Aside from the inspiration afforded by the old sea-captain's investment, the story of his son's inheritance, continuing right down to the present, is of special human interest. It is the story of the Sailors' Snug Harbor, "a Refuge for Mariners Home From the Sea" built in 1823 and maintained ever since from the income derived from the original 21 acre farm.

Sailors' Snug Harbor was erected on Staten Island, though supported

by money from the farm. Son Robert Randall, could not prophesy the fantastic increase in the value of his property but he did know it would be worth more as his town grew, and his will instructed his executors to select a suitable location for the Sailors' Home on what was then a wilderness, and to use the farm for revenue.

I was intrigued by the story and one warm afternoon in May, I took the ferry to Staten Island (a fabulous boat-ride for 5 cents!) and then the bus and entered the open gateway to the Snug Harbor overlooking the waters of the Kill von Kull. In striking contrast were the modern buildings and the buildings over one hundred years still standing. The wide lawns were well-kept and on the benches under the ancient oaks, elms and maples sat elderly sea-sailors, some chatting in groups with checkers and some just sitting and presumably thinking over old times when sailors were tough and sailed under canvas.

It was Sunday and I joined other visitors roaming around. After a while I sat down before a small artificial lake and noticed a man near me in a wheelchair reading a book. Obviously he lived at the Snug Harbor but he seemed many years younger than the others. We began to talk.

Well, it is a small world! He proved to be a Canadian, paralyzed from the waist down, by a submarine explosion in World War II. He had served under the U. S. flag for 10 years and was thus eligible for admission to the Harbor. He said he had a sister in Toronto but she lived in an upper flat and the stairs made him practically house-bound.

Here he could get about very well, and was very comfortable. He showed me his room, one of the nicest because of his injury. He had a television set and a radio, and as we entered the room, there was a bright flash, and his paraplegic flew on to his shoulder. He showed me the fine recreation hall, and eating rooms and said things were pretty nice—of course there were complaints. For him, he said, the place was ideal, and for very old and sick men (there are sailors in their nineties). But no wonder that from a peak membership of 900, there are only about 300 men now living at Snug Harbor. Sailors get good pay; they get old age pensions and retirement pensions. The best of Harbors, said my Canadian friend, wistfully, isn't like being on your own.

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Strange But True

By F. H. MacArthur

One of the shortest marriages on record comes from Springfield, Ohio. May and Robert Miesse were married on Monday, April 3rd, and divorced on Thursday, April 6th, 1934.

The alligator pear has been known since 1862. Mention of such a pear was made in a letter to Charles V of Spain in that year. In Mexico the pulp of the alligator pear is mashed into a paste. This is spread on bread like butter making a delicious sandwich.

In our own country the fruit is processed into a product known as cheese spread.

Noise of wooden shoes betrays illegal entrance of Dutch boy entering Uncle Sam's country from Canada. The border patrol officials at Malta, Montana, heard a clumping noise coming down the

street. It was the Dutch boy, still wearing his wooden shoes. Human beings swallow the most amazing things! Buttons, coins, nuts, razor blades, marbles, spoons, jewelry, combs, keys and what not—all have been found in human stomachs. You can add false teeth too, for more than one person has accidentally swallowed his dentures.

Dr. Chevalier and his staff in Temple University, Philadelphia, list as recovered from the food passages of 2,316 patients this assortment of odds and ends: 745 bones, 506 coins (mostly dime and pennies) 276 safety pins, 85 buttons, 77 nuts, seeds and small shells; 49 pins and needles, 9 dentures, and 24 articles of jewelry.

Many of these objects can be eliminated without serious effects. But sometimes the pins and needles penetrate the walls of the esophagus, stomach, or intestines with resulting bleeding and infection. Or they can cause dangerous intestinal obstructions.

Small children and mentally ill persons are most often the victims.

Stewart - Boswall Wedding

Marshall Presbyterian Manse was the scene of a wedding, Saturday, August 21, at 2:30 o'clock when Blanche Beth Boswall was united in marriage to Winston John Stewart of Dunstaffnage.

The double-ring ceremony was performed by Rev. E. M. MacNaughton with Mrs. Kier Boswall and Garth Stewart attending the bride and groom.

Following the ceremony, a reception was held at the Queen Hotel, after which the couple departed by motor, travelling through the Maritimes and New England states.

Previous to her marriage the bride was employed for a number of years by the Jenkins Pharmacy.

Mr. and Mrs. Stewart will reside in Frenchfort where the groom is a prosperous farmer.

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Don't delay this offer is limited!

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Bazaar

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AUG. 24 and 25

Meals Served 5 P.M. 75c and 40c

Bingo, Canteen, etc.

Believe It or Not!

OSPREY HAS NESTED FOR 2 YEARS AT TELEGRAPH POLE Banff Springs, Canadian Rockies

TESTING RING OWNED BY SERGIO CAMERO SR. AND CONTAINS THE FIRST BABY TEETH OF HIS CHILDREN AND GRANDCHILDREN Hialeah, Fla.

THE FABULOUS FOUNTAIN OF SAN ILDEFONSO - Seen IT WAS BUILT FOR KING PHILIP IV. AT A COST OF \$600,000 - AND IT WAS USED FOR ONLY 3 MINUTES!

THE MATAKAM TRIBE in the Cameroons, Africa WAS SO NAMED BY OTHERS - The name meaning: "MAY THE GODS SAVE US FROM MEETING ANY OF THIS TRIBE AGAIN"

0-0-0 SWEETIE! GO OUT TONIGHT? IS LOVE TO!

Just wait till you see what Dr. Williams' Pink Pills did for me! All these months I felt too tired, weak, and listless, fed full of sleep, never tried anything that changed my poor, pale blood into rich, red, happy blood—like this! So let's go dancing—thanks to strengthening Dr. Williams' Pink Pills! At all drug counters.

TIMOTHY SEED

We will be buying both uncleaned and cleaned timothy seed for balance of season at Kinkora, Summerside and Charlottetown and will have cleaning plants at both our Summerside and Charlottetown mills. Contact us before selling.

P. L. MORRIS, Feed Service Mills, Kinkora with branches at Summerside & Ch'town