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NOVA SCOTIA EXHIBITION HALIFAX AUGUST 24 - AUGUST 31 Great! - - Let's Go!

NEWSY FARM NOTES

By Agricola

PASTEURIZE THE MILK

Milk even under the best of conditions in the cow-stable and dairy, becomes infected with bacteria or germs. These are not necessarily disease-producing, in fact the great majority are not, but their presence always tends to spoil the milk, and often causes digestive troubles for which we cannot account. Pasteurization not only frees the milk from these comparatively harmless forms of bacteria, but effectively safeguards the consumer from those of tuberculosis, typhoid and scarlet fever, diphtheria, sore throat, and infantile diarrhoea. The cows themselves may be the source of these pathogenic bacteria, or the milk may be infected by persons handling it, and who are unsuspected "carriers" of the disease.

Pasteurizing the milk makes it safe, and the only special apparatus required is a good thermometer.

The simplest method is to heat the milk in a double boiler, the milk being placed in the inner pan, and the water to warm it in the outer one. The heat is applied, and when the thermometer, which is kept right in the milk, reads 145 degrees F., the heat is regulated to maintain this temperature for 20 to 30 minutes.

Then the milk is quickly cooled, and kept so till used. It is well to stir the milk occasionally.

It is of no use to pasteurize milk and then pour it into unclean vessels for storage. All such vessels should be scalded out before using. Milk treated thus will keep two days, at a temperature of 50 deg. F.

GRANTS FOR MANURE PITS

The Ministry of Agriculture of Quebec, has announced the terms of a grant to the farmers of the province. This grant provides the sum of \$25 for each farmer who will build a concrete manure pit such as is in use in continental Europe. Plans, specifications and conditions are laid down to guide the applicant, and it is thought that many thousands will avail themselves of the opportunity to construct such pits.

The manure pit must be proportioned to the number of cattle maintained, but with a minimum of 12 feet square or equivalent; it must have a concrete base-platform, and concrete walls at least two feet high, and a covering strong enough to protect the contents from sun and rain. And unexplained proviso is that the pit must be 25 feet from the stables. This regulation takes effect on Aug. 1.

Southern Notes

Haymaking in the southern sections is becoming general and the common estimate is that the crop is a fair average one and considering the light quantity of moisture, together with the heat and high dry winds an average crop is remarkable.

Mr. Charles Lutz a high grade mill operative accompanied by Mr. Joseph White left Port Wood for Old Town Maine, on Friday morning, 26, inst. Mr. Lutz intends to return to the province next March and remain here permanently.

A few days ago Mr. Roderick MacPherson and Miss Jessie Bell both of Culloden were united in the holy bonds of matrimony, Rev. Mr. Rodger of Belfast being the officiating clergyman. Following the ceremony a great assemblage gathered at the home of Mr. MacPherson to offer congratulations and make the occasion a merry one. A very enjoyable time was spent by each and all who had come to felicitate the bride and groom.

Mr. Levi Morrow has recently left Glen Forest and is now residing in Iris where he has come into the possession of the farm formerly owned and operated by his father, Mr. John T. Morrow.

Mr. Edwin MacKenzie, his wife and children, Mr. Howard White and family, Mr. Charles Lutz and Mrs. Lutz all motored from Little Sands and Port Wood to Glen Forest recently and were the guests of Mr. and Mrs. Edwan Mosher.

After an illness of a few days Mr. Donald MacNeill of Little Sands passed away on Saturday 20th inst., and was buried on the following Monday. Interment was in Little Sands cemetery. The funeral was largely attended. Mr. MacNeill had reached the advanced age of 77 years. In his day and generation he was reckoned a highly skilled mechanic.

A seal shooting party armed with a complete outfit of artillery recently invaded the stronghold of the enemy and put them to flight with much slaughter. The theatre of war was a rocky cape along the shore of Port Wood.

When there is no wind and yet you can see a vast cloud of dust and nothing else but dust you can't blame the wind. It's just a car with a speed maniac inside it.

MOTHER OF 50,000,000 CAUGHT

American tourists are to be shown the mother of the greatest family in the world when they visit Plymouth England, next summer. She is Clara, the world's biggest herring, who has earned the title 'The Mother of The Shoals.' She was caught of Plymouth recently and taken to the Plymouth laboratory of the Marine Biological Association, where herring and their habits are studied. Clara is 14 inches long, and as large in girth as a good-sized mackerel. An official of the laboratory has figured by markings on her scales that she is at least 16 years old. As herrings lay from 30,000 to 40,000 eggs a year, and Clara probably did better than that, her progeny is estimated to have been at least 50,000,000 which is larger than the biggest catch ever landed.

NEW ENGLAND COUNCIL

BOSTON, July 27.—Interesting information regarding the New England Council, formed in 1925 to promote the economic welfare of New England, is contained in the 1929 edition of the Council's "Blue Book."

Sponsored by the Governors of the six New England states, Maine, Connecticut, New Hampshire, Vermont, Massachusetts and Rhode Island, the Council was formed as a permanent organization by the agricultural, commercial and industrial organizations of New England at the first New England Conference, since established as an annual gathering of the leaders of New England business organizations. Limited to 72 members 12 from each state—the Council has established Associate Memberships, whereby all individuals, firms, corporations or associations interested in the progress of New England may ally themselves with the movement.

Describing the Council, the Blue Book says:

"The Council is the general agent and advocate of six states. "It is an instrumentalist—to increase unity and prosperity. "It is maintained by the Associate Membership subscription of firms, associations, and individuals. "It advocates no special interest. "It has no politics."

The purpose of the Council, in the interest of national prosperity as well as that of New England, is outlined as: to develop and maintain a sense of the importance of New England as an economic area of the United States; to determine what is necessary to develop and maintain New England's economic progress; to promote New England's economic progress.

It is primarily the function of the Council to inspire, stimulate, lead and coordinate New England's agencies for progress, and efforts are directed toward agricultural prosperity, industrial growth, community development, recreational resources, power and transportation, advertising, counsel, research and assistance.

The Council's activities in the major fields of economic interest are carried on by a staff and cooperating groups of business men under the direction of committees.

SUGGESTS A UNITED FRONT IN CANADA

LANARK, Ont., July 26 — United, non-partisan action to meet the situation arising out of the upward revision of the United States tariff, was urged here yesterday by Hon. Hugh Guthrie, prominent Conservative, at a political meeting. The situation, he declared, is one in which the Canadian people should present a united front. Let us not act in a spirit of retaliation, he urged, but let us frame a policy adapted to the needs of our people. Then we can snap our fingers at the United States and the rest of the world. He indicated that the Conservative party was ready and willing to co-operate in every possible way to bring about such united action.

MAN HOLDS JOB 58 YEARS

In recognition of his long service in one job, Fred Rawlinson has just been awarded the bronze medal and certificate of the Royal Agricultural Society of England. Rawlinson, a farm worker, is leaving his job after working on the same farm for 58 years. He began work when eight years old, at four cents a day.

X. Rays Visualize The Tiny Molecule

Scientists who attended the Western Society of Naturalists' meeting held recently at Berkeley Cal., were taken on a "tour of inspection" through a molecule so small that the microscope can see nothing less than a billion of them grouped together.

The guide was Dr. O. L. Sponler of the University of California at Los Angeles, who spoke before the society on the subject of "The Molecule in Biological Structures as Demonstrated by X-rays Methods." The naturalists were meeting at the University of California in conjunction with the thirteenth annual meeting of the American Association for the Advancement of Science.

Dr. Sponler, after explaining that the smallest particle visible in a microscope is 100,000 times the diameter of a single molecule, stated that through the use of the X-ray he had succeeded in investigating the structure of carbohydrate molecules and of mapping the arrangement of the still tinier atoms within them. This work was accomplished by studying the reflection of X-rays from the uniformly spaced layers of molecules within a block of material. Through interpretation of these studies it was possible to reconstruct a molecule.

In his introduction he said in part: "To most of us who work in biology the word molecule has very little real meaning. If we try to visualize such a thing to mind, if we can summon up anything whatever, is decidedly a blurred image. But in spite of that we recognize, perhaps unconsciously, that the molecule of a substance must be very real thing since the substance is composed of its molecules and of nothing else; and since all reactions, both physical and chemical, which occur in the organism, are due to the forces which reside in the molecule; forces with which we are more familiar under other names, such as cohesion, adsorption, oxidation, imbibition, surface tension and many others. Very that the organism is what it is because of its component molecules."

After explaining how through the use of the X-ray and the making of careful measurements and computations, it is possible to examine the interior of these molecules which are 10,000 times removed from visibility, Dr. Sponler concluded as follows:

"Visualize a molecule as a particle which occupies a small amount of space, and which has definite size, definite dimensions relatively unvarying. Perhaps you can visualize the molecule as consisting of several or many atoms, neatly and accurately arranged to form the molecules of a given kind. If an atom changes its relative position in the molecules, that molecule takes on different properties; that is, becomes a different substance.

"We have gone far enough in this kind of investigation to feel that in the near future we shall learn something of the molecular structure of many biological or organic solids and semi-solids such as the cell walls of plant structures, flax, hemp, cotton, wood, seed shell and the like; and of animal structures such as testis, bone, skin, hair, muscle fibers and so on.

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Stowaways In Tight Corners

NEW YORK, N.Y., July 27.—Public attention has recently been focused on the escapades of several youths, who, lured by the possibilities of adventure and of quick fame, have hidden themselves in aircraft attempting the hazardous task of bridging the Atlantic by air.

But there is another type of stowaway hardly less daring who attracts little or no public attention. He is the alien who, seeing in America the land of promise, hides himself on incoming liners or pays money to smugglers for the chance of escaping the vigilant eyes of immigration officials.

There is no limit to the age of those who catch the stowaway fever. They range from 9 years old to 70. Although men from the majority of stowaways, girls and women are becoming an increasingly serious problem. Occasionally, the woman stowaway dresses herself in the attire of a man and escapes suspicion until her arrival in New York.

These stowaways travel thousands of miles, hiding in crates, near boilers, in lifeboats and other uncomfortable places with a meagre supply of food.

On one of the recent voyages of the Hamburg-American liner Cleveland, there arrived from Dusseldorf, Germany, a 19-year-old youth, nailed in a packing case which was consigned C. O. D. to a fictitious address in West Eighty-Fourth Street.

Recently a Munson liner came into the harbor with a stowaway found pinned against the smokestack below decks, burned to death by the heat of the giant pipe. Three other stowaways were routed out from hiding places below decks, all on the verge of exhaustion from the lack of food and water.

Fumigation of a ship frequently sends stowaways coughing and spluttering to the deck, while the fumes of coal gas have suffocated many others. If the assistant engineer of the Adriatic had not smelled coal gas during a Mediterranean cruise, five stowaways, instead of two, would have paid the tragic penalty of death for their rashness. The three survivors, half burned in the bunkers were found just in time.

MIDGET PLANES FOR \$1750

LONDON, July 27. (British United Press)—One of the most interesting features of the great international Aero show at Olympia which opens this month, will be the staging of a

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A VANISHED RACE

(Canadian Press) VICTORIA, B. C., July 27.—The passenger pigeon, whose flocks once darkened the skies of the continent within the memory of many inhabitants still living, is apparently extinct. Naturalists have not been able to discover one living specimen for many years. From time to time observation generally discloses a mourning dove, a domestic pigeon, or possibly one of the rather scarce bantailed wild pigeons of the British Columbia coast. Not even one of the numerous passenger pigeons once in captivity seems to have left purebred offspring. Even stuffed specimens of the passenger pigeon are rare and most valuable. There are, it seems, some 300, species of wild pigeons today, notable among which is the wood pigeon of Europe, a large bird frequently observed in London parks. Apparently the only wild pigeon now in Canada is the band-tailed pigeon occasionally seen west of the Rockies. It is a bluish, slate colored bird. It is said by naturalists that at one time vast flocks of the wild pigeons consisted of more than a billion birds. They were slaughtered in the Middle West by the millions in the last century. One year in the late eighties the pigeon flocks still swarmed the land. The following year they had almost vanished. Despite the slaughter the sudden disappearance of the birds mystified people, who attributed it to disease or a storm which, it was claimed, swept millions of birds out to sea. In any case what had been the most numerous bird in all the world, which has nested all the way from Moose Factory on James Bay down to the Choctaw country in the south, vanished, almost at one blow.

FEEDS FEEDS

for HORSES, CATTLE, SWINE, POULTRY, FOXES, RABBITS &c. BRAN, SHORTS, WHITE MIDDINGS, CRACKED CORN, FEED CORNMEAL, OIL CAKE MEAL, SCHUMACKER FEED, CRACKED GRAIN, OATMEAL, ROLLED OATS, TABLE CORNMEAL, FEED OATS, (black and white), PRESSED HAY and STRAW. HEADQUARTERS for BLANCHFORD'S FEEDS and POULTRY SUPPLIES. MEAL, and RABBIT MEAL. FOX BISCUITS, PUPPY WHOLESALERS and RETAIL. CARTER & CO. LIMITED Feed and Seed Store Queen Street.

RICE FARMING IN AUSTRALIA PROSPERS

SYDNEY, New South Wales, July 27 (British United Press)—This year Australia becomes a rice exporting country. The industry is flourishing. A few years ago the growing of rice was taken up in earnest by farmers in the Murrumbidgee Irrigation areas of New South Wales. This year the crop is a record one for quality and quantity, and more than sufficient for the whole of Australia. At a total of 25,000 tons is expected the area under crop being estimated at 14,882 acres, while the average yield is assessed at the high level of 93 bushels of paddy rice per acre. Last year the crop yielded 48 bushels to the acre. Australian consumption is about 20,000 a year, so that the 5,000 tons carry-over will have to be exported. The rice is plump and of uniform quality. An American automobile manufacturing company is establishing a semi-assembly plant in Japan.

number of new and tiny aeroplanes. Each will be capable of carrying only one occupant—its owner-pilot. These midget planes, which will have a speed of 80 miles an hour, will be calculated, by so economical in fuel that the operating cost in gasoline will not be more than one cent per mile. The price of these aerial baby cars varies from \$1750 to about \$2,000. Among other little planes at the show will be neat flying coupes, accommodating an owner pilot and a passenger with the comfort one would find in an ordinary coupe automobile. The price for two-seater light aeroplanes, each fitted with a compartment for carrying luggage, work out at from \$2,500 to \$3,250. Statistics now available show that that total operating of a winged car carrying two people and their luggage, including maintenance, housing insurance, general expense and fuel—should not be more than eight cents a mile—perhaps a little less. It is expected that as a result of the show, there will be many additions to the ranks of private aeroplane owners in this country, who already number slightly less than 200.

Watch Your Foxes Summer Diet

The summer diet is a most important one, great care should be exercised in selecting the proper foods. Meat feeds should be reduced to a minimum and supplemented by cereals and vegetables. IMPERIAL FOX BISCUITS fed dry and IMPERIAL PUPPY FOOD with milk added make the ideal summer cereal ration for both adults and pups. These two highly nourishing foods ensure a balanced ration together with an abundance of minerals and most valuable Vitamines. IMPERIAL FOODS keep the foxes in good flesh and make them generally healthy and active. IMPERIAL eliminates premature shedding generally caused by excessive meat feeding or an unbalanced diet, and make for better pelts when prime.

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