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CABLE HEAD WEST CONCERT

The pupils of Cable Head West School, assisted by the young people of the district entertained a large and appreciative audience at their annual concert. The tree and school was attractively decorated for the occasion. Mr. Aldius MacKenzie acted as chairman.

Mr. Fulton MacLaren opened the program with instrumental music, accompanied by Mr. Arthur Anderson on the organ.

The following programme was heard.

Opening Chorus: Ring Merry Bells.

Address of Welcome—by Marion MacLaren.

Recitation: A Letter to Santa—by Earl MacSwain.

Instrumental music—by Messrs. Fulton MacLaren and Arthur Anderson (encored).

Dialogue: Party Line.

Drill: Santa Claus Spells Eatables To Us.

Recitation: Fooling St. Nick—by Richard MacLaren.

Lullaby — by Elsie and Richard MacLaren.

Instrumental music — by Messrs. Fulton MacLaren and Arthur Anderson (encored).

Dialogue: Advice to the Lovelorn.

Recitation: Looks Like Pa — by Robert MacKenzie.

Song—by five men (encored).

Instrumental music — by Messrs. Fulton MacLaren and Arthur Anderson (encored).

Dialogue—Sales Resistance.

Recitation: To Santa Claus—by Edward MacLaren.

Trio—by Eileen and Edyth MacKenzie and Marjorie MacLaren.

Drill: A Christmas Wish.

Instrumental music — by Messrs. Fulton MacLaren and Arthur Anderson (encored).

Dialogue: Yessuh, Boss.

Song: It Came Upon A Midnight Clear—by Eileen, Edyth and Betty MacKenzie, Majorie and Barbara MacLaren (encored).

Instrumental music — by Messrs. Fulton MacLaren and Arthur Anderson (encored).

Step-dancing (encored).

Dialogue: Detective Snoop and Dr. Doop.

Recitation—by Mr. Joseph Simmons.

Recitation: Last and Least — by Elsie MacLaren.

During the playing of instrumental music by Messrs. Fulton MacLaren and Arthur Anderson, Santa arrived in his usual jovial manner, and from the well laden tree distributed a large number of gifts.

The singing of the National Anthem brought the program to a close.

VERNON SCHOOL

Report of Vernon School for January.

Principal's Department:

Grade X Sr.—1. Marion McQuaid; 2. Isabel McLeod; 3. Marion Furness.

Grade X Jr.—1. Arthur Merrill; 2. Don Drake.

Grade IX—1. Herbert Henry; 2. Phyllis Furness; 3. Mary Boudreau.

Grade VIII—1. Joan Murphy; 2. Patrick Murphy; 3. Jean Murphy.

Grade VII—1. Audrey Henry.

Grade VI—1. Olga Jenkins; 2. Estelle MacDonald; 3. Helena Doherty.

Honor Roll (over 75%)—1. Marion Furness, 90%; 2. Earl Morrisey, 86.9%; 3. Isabel MacLeod, 78.4%; 4. Marion McQuaid, 79.1%; 5. Olga Jenkins, 75.6%.

Perfect attendance: Phyllis Furness, Audrey Henry.

Celie T. Rooney, Principal.

UNLETTERED LANGUAGE SWELLED BY REFUGEES

At the time of its surrender to the Japanese in 1941, Hong Kong had a normal population of 1,050,256 plus 750,000 refugees from China.

Cranberry plants survive a lot better if the bogs are flooded a little at a time to build up a solid cover of ice.

Preliminary Note on Treatment of Anaemia in Mutant Fox Pups

By
DR. C. K. GUNN, Superintendent,
Dominion Experimental Fox Ranch, Summerside, P.E.I.

Apparently reduction of pigmentation in the formation of new mutant strains of foxes is accompanied by other constitutional changes in these animals. It is well known in genetical studies with mutations in other species of animals that often the resultant genetic balance assumed in a new mutation may give rise to a constitution that is lethal to the new animal type.

In 1942 our attention was drawn to such a condition among Standard Platinum fox pups of the Quebec and Norwegian mutant strains. From post mortem examinations and blood work this proved to be an anaemic condition that was 100 per cent fatal to affected animals. Further investigation showed there was a mortality of over 20 per cent among Standard Platinum fox pups, and the total value of foxes lost in Canada during the past year from this condition, based upon adult valuations ranged in the neighbourhood of $250,000.00. However, reports have been received from certain ranches which indicate that anaemia has not caused any deaths among their platinum stock. This may be due to their particular strain of breeding stock or the ingredients used in their fox rations.

Symptoms — Anaemia occurs among Standard Platinum fox pups ranging from 2 weeks to 4 months of age. Affected pups show loss of appetite and emaciation; they are smaller than their litter mates, have sunken eyes and dry fur. As the anaemia progresses, the pups become weak and stagger about their pen. The feces are often black and the fox pups may show a terminal jaundiced condition.

Post Mortem Findings — The carcass has a blanched (desanguinated) appearance. The spleen and liver are usually subnormal in size. Hemorrhage into the intestinal tract is a frequent finding.

Blood Picture — The abnormalities found in the blood of anaemic foxes were as follows: (1) subnormal erythrocyte count (red blood cells); (2) low haemoglobin content (achromia); (3) slower than normal clotting time. Blood smears showed no apparent abnormalities in the erythrocytes, except achromia.

Because anaemia is a concurrent symptom of many infective conditions, a survey of the possible underlying causes in fox pups was carried out on 15 anaemic platinum pups during the summer of 1943 with the following negative results:—

1. Negative findings for fleas and earmites as causal agents.
2. No intestinal parasites in the form of entamoeba, hookworms, ascarids or coccidia.
3. Negative findings for potentially pathogenic intestinal bacterial organisms.
4. No specific blood parasites present.
5. Non-infective nature of anaemia by fecal contamination. (Droppings from affected fox pups were fed to normal pups. The latter did not become sick or visibly affected as a result of fecal contamination of their feed.)

This condition is found to occur chiefly in Standard Platinum fox pups, and to a lesser extent among white marked and pearl platinum mutants. In the group of anaemic foxes described in this paper, 4 of the affected animals were from crosses of Standard Silver with Platinum foxes. One Platinum was of Norwegian type and four were of the Quebec mutant strain. The anaemia in the mutant foxes is thought to result from hereditary lethal factors closely associated (linked) with the mutant genes in new type foxes.

Treatment — Initial attempts of treatment for this condition were iron (in reduced form) and liver therapy, the latter in the form of injections of liver extract and the feeding of raw liver. But later, a condition of internal bleeding into the intestinal canal was found to be a common symptom, and as a result of this observation and also that anaemic foxes had a slower blood clotting time than normal animals injections of normal horse serum, vitamin K and vitamin B1 were administered. The latter was given to increase the appetite of the anaemic fox pups, and in some cases appetite was increased, but after 2 or 3 substantial meals of regular fox ration they died from hemorrhage into the intestine.

During the 1944 season successful results were obtained with a group of 6 anaemic pups. Apparently, these recovered completely and grew to normal adult animals as compared to the body weight and blood estimations of normal control foxes. During the latter part of July and early August these anaemic fox pups were brought from different ranches in Prince Edward Island to the Dominion Experimental Fox Ranch, where they were retained for observation purposes and to test experimental treatments. The averag weight of the 5 anaemic platinum fox pups and 1 anaemic white marked pup was less than two-thirds the normal body weight of fox pups of comparable ages. The correlation of low body weight and degree of anaemia was apparent because the average erythrocyte count (5,866) and average haemoglobin estimation (6.5) were correspondingly lower than those of normal fox pups of comparable ages, which were 8,054 and 7.9 respectively.

The ingredients of the diet given to the anaemic foxes consisted of liver, tripe, eggs, horsemeat, milk, Nurtim, Pablum and strained vegetables, in conjunction with a therapy of high vitamin concentrate of A, B, C, D and K, and an iron compound. Each fox pup was also given 15 cc. of fresh whole cow's milk daily in a separate pan. Weighed amounts (2-4 ounces finely ground) of unmixed raw glandular meats, cereal and raw eggs were fed to them twice daily for 6 weeks, then once a day. Wherever a fox pup was noticed to appear sick, with a loss of normal appetite, it was given strained liver, beef, and vegetables for one or two days. This diet of finer texture given in small meals twice daily enabled healing of the haemorrhaging intestinal mucosa and prevented the internal bleeding from becoming fatal. The ingredients of the diet were changed each week so that the foxes maintained a good appetite for their rations.

The group of foxes regained a normal average body weight of 10.7 lbs. by December 15th. They also gave a normal average blood (red blood cell) count of 8,642, and average haemoglobin estimation of 12.2. Control normal foxes had a comparable body weight of 10-11 lbs., and blood estimations (red cell count) of 8,785 with haemoglobin content of 11.6.

Recommendations For Platinum Fox Ranchers

Because anaemic conditions are considerably more difficult to cure than to prevent, the writer feels that the treatment found successful in curing this condition should be effective as a preventive measure.

This hereditary type of anaemia has been found to occur in foxes ranging from 2 weeks to 4 months of age. Therefore, it is advisable to begin the iron therapy during the last month of the gestation period in pregnant vixens and to continue throughout the lactation period. It should then be added to the rations of standard platinum pups until they reach 4-5 months of age, and even after that date in rations of pups that have a poor appetite and are below normal body weight.

Tentative recommendations for prevention of anaemia are as follows:

Daily Dosage Per Fox (Pregnant Vixens or Platinum Pups)—Infantol—1 cc or 1-4 teaspoonful. Ferric Ammonium Citrate—2 minims (drops). Kayquinone—2 mgm.

Daily Dose for 30 Foxes: Infantol—1 ounce (30 cc). Ferric Ammonium Citrate—1 teaspoonful (60 minims). Kayquinone — 60 mgm.

Combined Medicine: For convenience 60 mgms of Kayquinone (insoluble in water) may be ground and rubbed up with 1 oz. of Infantol in a mortar, then the 60 minims of Ferric Ammonium Citrate solution (containing a trace of copper) can be added to the resultant suspension of Infantol and Kayquinone.

Note: It is strongly recommended that fox ranchers have their druggists compound this combined medicine for them.

Daily dose of this combined medicine mixed in the feed is 1-3 teaspoonful per fox or 1 ounce for 24 foxes. Shake or stir this medicine well before using it.

Infantol: is an emulsion, which was found to be very palatable to fox pups. It contains a high concentration of vitamins A, B1, B2, C and D. Such a vitamin-rich supplement and especially vitamin C are important in the cure of secondary anaemia. Since Infantol is a rich source of vitamins A and D, therefore, it is necessary to feed cod liver oil to pregnant vixens or fox pups receiving this medicine.

Ferric Ammonium Citrate: is used in the form of a 50 per cent aqueous solution to which is added a trace of copper, (0.002 gms) in the form of cupric acetate to 100 cc's of the iron solution.

Kayquinone: is a synthetic active substitute for vitamin K, sold in the form of 1 mgm and 2 mgm pills. These should be ground up before being used and then added to the fox rations, or to the combined Infantol and Iron solution, as indicated in the directions for making a combined medicine

Recommended Diet for Platinum Fox Pups

10% Fresh liver (beef, horse, sheep or pig).
50% Horsemeat.
15% Tripe.
20% Finely ground cereal feed.
4% Finely ground green bone or
2% finely ground commercial steamed bone meal.
1% whole linseed.

The Iron - Kayquinone - Infantol is added to the diet and one-half pint of fresh whole cow's milk is also given daily in a separate dish to each fox pup.

BE CANNY

By buying a one pound jar of cream (or other cosmetics) instead of four four-ounce jars in a row—as you'll need to replenish—you'll be doing yourself a good turn, by saving pennies. Of course, it wouldn't be economy to buy a bigfellow size of cream that you never tried before and which may not click. If you're an experimenter buy a trial size to see if it "takes". If it does, replace it with a one pounder, and keep it in a cool place so that it will retain its freshness.

EARLY planning is the secret of gardening success . . . and it's fun too! Start now—measure the land you can plant . . . give mature thought to the foods you want to produce and the quantities required for your family's numbers and tastes. Reflect on any past errors or disappointments—you'll find most of them were caused by last-minute plans, hasty decisions and late ordering. Wise, early planning will pay you worthwhile dividends, not only in more and better produce, but also in the feeling of self-satisfaction a really successful garden gives. Send for your Catalog today. (Those who ordered from us in 1944 will receive Catalog without request.)

Send today for your Copy of our 1945 Seed and Nursery Catalog.
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WEST ROYALTY WOMEN'S INSTITUTE

The monthly meeting of West Royalty Institute was held in the schoolhouse on the afternoon of Feb. 7. Fourteen members and one visitor were present. The meeting was presided over by the president, Mrs. James MacInnis. Minutes of last meeting were read and approved. Collection amounted to $1.70. The bill of $2.76 for a Christmas treat for the school children was presented by Mrs. Frizzel and paid. The school committee had no report and Mrs. Bell and Mrs. Charles Hurry were appointed on the committee for next month.

The Institute program on Education was read and discussed. An explanatory paper on Family Allowances in the form of questions and answers was read by Mrs. Gates and Mrs. Hickox.

Letters of thanks for Christmas remembrances received, were read from Pte. L. C. Moore, PO. Dick Curley, ACI. Lloyd Gates and LAC. Dewar Jones. It was moved, seconded and carried that we purchase a set of Books of Knowledge for the school.

The donated articles were then very capably auctioned by Mrs Gates and Mrs. MacLure and brought the sum of $21.25 and $1 was added to this by Mrs. Jones. It was agreed that the proceeds of the auction go towards the purchase of the Books of Knowledge and another auction be held at next month's meeting for the same purpose.

It was decided to hold the next meeting in the school house with Mrs. Bell and Mrs. Burke on the lunch committee.

Lunch was served by the committee in charge, assisted by the teachers and the meeting closed with the National Anthem.

MORELL WOMEN'S INSTITUTE

On February 6, 1945, the monthly meeting of Morell Women's Institute was held at the home of Mrs. Mereler Mullin. The meeting opened with the Club Women's Creed followed by the roll call, which was answered by ten members. The minutes of the previous meeting were read, approved, and signed. It was moved and seconded that the Institute give $15 to Morell branch library fund. It was also decided to have a variety concert in March. It was decided that Mrs. Ambrose Steele and Margaret Kelly write for material for the concert. A committee of four members namely: Mrs. Donald Samson, Mrs. Ambrose Steele, Miss Clare MacIsaac and Margaret Kelly were appointed to take charge of and study material for the concert. It was decided that Mrs. J. B. Jay and Mrs. Albon MacAdam be given charge of getting material for a quilt. It was decided to send for an Honor Roll for the school. It was moved and seconded that a pantry sale be held and that Mrs. W. E. Aylward and Margaret Kelly have charge of pantry sale. It was also decided to renew membership with the Canadian Society for the Control of Cancer.

Mrs. J. B. Jay kindly invited the members to her home for the March meeting. Helpers for this meeting are Mrs. Jay, Mrs. Percy Baker, and Mrs. Edward Rossiter. After a delicious lunch the meeting closed with the National Anthem.

This War—Four Years Ago

By The Canadian Press

FEB. 13, 1941—General Franco conferred with Marshal Petain at Montpellier, France. British troops captured Bulo Brillo, Italian Somaliland. A. W. Fadden, acting Prime Minister of Australia, declared a greave situation existed in the Pacific. U. S. Senate Foreign Relations Committee approved lend-lease bill by 16-8 vote.

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NEW YORK—Cottons for spring will continue the vibrant Mexican and Guatemalan colors we have come to wear so easily—and to these will be added a soft terra cotta shade, "devastating" green, and bright electric blues combined with black, as these frequently are, what could be more exciting for spring? Chartreuse and coral have been added to the chambray lines—both good colors, in high style lines, window pane plaids will be seen in new color combinations on back. Batiste, pique, and [illegible] cloth (not too much of the latter) in all-over eyelet embroidery patterns in plain dark or paste! shades, will be in demand and exceedingly smart.

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