

NEWSY NOTES

By J. A. Clark, D.Sc.

POTATO EXPERIMENTS

It is interesting to note that in field test plots conducted in co-operation with farmers on three major soil types in Prince Edward Island with moderate applications of fertilizer, good crops were secured on all three types namely on the O'Leary, Charlottetown and Culloden soil series. These tests were commenced by G. B. White-side, B. S. A. Agronomist, in 1947 using ten different fertilizer formulae at rates of 1000, 1500, and 2000 pounds per acre.

The results from five years' tests, showed that increases were secured in yield on these soils from all mixtures used. No mixture showed up as superior to all others on any of these soils; although some formulae gave results that averaged higher returns than others. The yields on these tests were above provincial averages.

The average production of large potatoes on all the check plots was 97.1 bushels, with an average total of 169.8 bushels. The 1000 pounds of fertilizer mixtures increased this to 189.6 bushels of large potatoes with an average total of 259.3 bushels. The 1500 pounds of fertilizer mixtures averaged 208.7 bushels of large potatoes with an average total of 275.5 bushels, and the 2000 pounds of fertilizer mixtures averaged 224.8 bushels of large potatoes with an average total of 287.5 bushels per acre.

ustration Stations of this province since they were first organized in 1923. A comparatively recent one under the direction of Norman Black, B. S. A., Agronomist, was started in 1940 at the New London Station on fertilizer formulae for potatoes. The soil type there is known the total area of the province.

A common fertilizer formula used by many potato growers for a number of years was the 5-10-13 mixture. There has been a tendency to increase the rate of application so that many have used a ton or more per acre.

The experiment at New London was planned to show the effect of low, medium and heavy applications of the three main nutrient elements, nitrogen, phosphorus and potash. The rate of each of the 27 different chemical fertilizer formulae as applied was 1500 pounds per acre. There were two series of plots; one on which the land had received 10 tons of barnyard manure per acre and the other on which the land had not received an application of manure for some years.

The 27 formulae ranged from the 3-5-5 to 9-16-15. This provided nine plots each with three, six and nine units of nitrogen, nine plots each with eight, twelve and sixteen units of phosphorus and nine plots each with five, ten and fifteen units of potash in combinations that were used on the plots on both series.

A four year crop rotation was followed: potatoes, oats, clover and timothy. Green mountain potatoes were used and the average yield of marketable potatoes during four years 1945-1951 was 334.8 bushels, with an average total yield of 359.2 bushels.

Where manure was applied at 10 tons per acre on plots that had the least quantities of the several chemical nutrients the increase in yields were more than double those where the higher applications of the several chemical nutrients were applied. In every case the plots receiving manure gave highly significant increase in yield over those that had not received manure.

It was found that fertilizer treatments gave very definite and significant differences in yield. The significant increases occurred in proportion to the increase of nitrogen and potash; while phosphorus gave little or no increase in the potato yields.

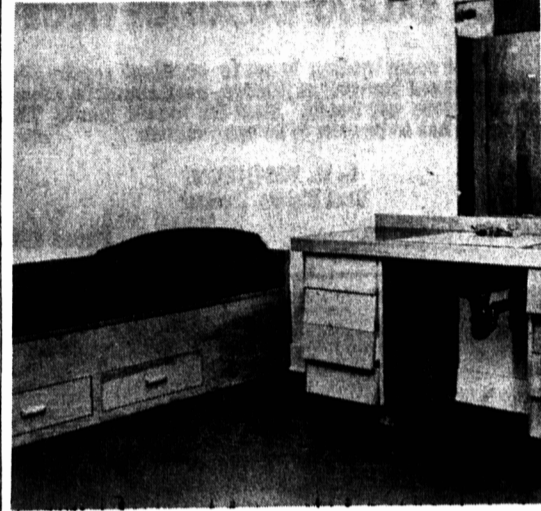
Maintaining Soil Fertility

In a four year rotation at the Charlottetown Experimental Station started in 1919 with potatoes, wheat, clover, and timothy an application of 20 tons of barnyard manure was used for the potato crop for ten years and produced an average of 286.7 bushels of potatoes. From 1929-1952, ten tons of manure with 750 pounds of a 4-8-3 chemical fertilizer were used. During the period from 1940 to 1952 the potatoes gave an average yield of 252.2 bushels. A section of the area was given an application of one ton of limestone each year before



Inside Nurses' New Home

A section of the beautiful main lounge of the new Nurses Home in Summerside is seen above during the official opening of the building yesterday. (Photo by Wotton)



A section of one of the rooms in the new Nurses Home at Summerside shows one of the bunk type beds, together with dresser, wash basin, and plate glass mirror that are provided in each of these comfortable and attractive rooms. (Photo by Wotton)

seeding to wheat. On this area potatoes during the period 1943 to 1952 gave a yield of 244.8 bushels per acre. The limestone was of benefit to the clover crops but reduced the yield of potatoes and on this area the potatoes were unsaleable due to potato scab; while the potatoes were almost free of scab where lime had not been applied. The fertilizer used instead of one half of the application of 20 tons of manure did not maintain fertility as measured by the yield of potatoes.

CARLETON MISSION BAND

The May meeting of the Happy Sunbeams Mission Band, Carleton Branch of Cape Traverse United Church met at the LaVoie

home. In the absence of the President and Vice-President the second Vice President, Lloyd MacCallum, presided.

The meeting opened by repeating the Mission Band Purpose, followed by singing the Mission Band Hymn.

Roll call was taken with 30 members present. Three new members were welcomed.

Minutes of the April meeting was read and approved.

Gary Paynter, Harley Harper, Elva Howatt, Jeannie Campbell and Pauline MacCallum, have birthdays this month, as they came to the center of the room, the members sang "Happy Birthday" to them.

The story from our study book "Chad of India" was read and explained by Mrs. John Myers. Harley Harper received his

CONTRACT BRIDGE

By Josephine Culbertson

REGARDING "RULES"

ONE of the many reasons for taking so-called rules with a large pinch of salt is the fact that these rules may conflict with each other. Consider the case below for example.

East dealer.
Both sides vulnerable.

♠ K 9 8	♥ A J 9 8 4
♦ K Q 10	♣ 7 5 3
♠ A K 10 6 5	♥ A K 9 8
♦ Q	♣ J 10 7 4 1
♠ N	♥ 6 3 2
♦ W	♣ Q J 9
♠ E	♥ J 8
♦ S	♣ J 8

The bidding:
East Pass South Pass West Pass North Pass

East might have bid two clubs on the second round, over North's double, and then West probably would have sacrificed at the five-level. However, that two-club call would have been extremely risky in view of West's failure to hold the heart bid open—and as for the sacrifice at five clubs, it wasn't necessary as things turned out.

West opened his top heart, the seven, and East decided to let dummy's queen win the trick; he simply played the encouraging nine.

South's first move was fatal: he cashed the ace and king of trumps. When the queen refused to drop, he started to run the diamond suit, hoping for a heart discard, but that piece of luck failed to materialize. West ruffed the third diamond, and his heart return gave East two heart tricks and one club.

South "explained" to his partner that they had been very unlucky. First (he said), since they had had nine trumps in the combined hands, the rule was to play for the drop of the queen. Second, since East made a bid and West had not even held the bidding open, there was a substantially better chance that East had the spade queen.

South was wrong; neither of his arguments were pertinent. The crucial feature was that West had to be kept out of the lead so that he couldn't send another heart through dummy's K-10. Thus, after cashing only one top trump, South should have entered his hand with a diamond and finessed for the spade queen, simply as a safety play. East could do no harm if he won the trick.

Life Member Certificate and Pin.

Lloyd Muttart had charge of the devotions for this month. The Hymn 568, All the Happy Children was sung.

Scripture reading by Raymond Cairns.

Reading were given by Wendy Johnston, Lloyd Muttart and Lloyd MacCallum.

A solo by Margaret LaVoie was very sweetly sung. Offering was taken by Gary Paynter, during that time the members sang "Hear the Pennies Dropping."

A vote of thanks was extended to Mrs. LaVoie for entertaining. A game was played and a treat moved by Linda Paynter and sec-

WINSLOE NORTH W. I.

The June meeting of the Winsloe North W. I. was at the home of Miss Rita MacNeill on the evening of June 10. In the absence of the president and vice-president, Mrs. Stanley Younker was appointed chairman for the meeting.

The meeting opened by singing

led by Katherine Lowther, after another hymn, the meeting closed by repeating the Mizpah Benediction.

A game was played and a treat

members decided to procure a



Aviation Show Gets On The Road

Pictured above is the first load of materials being put aboard a trailer truck at RCAF Station, Summerside for shipment to the Charlottetown Airport. The equipment being loaded is the first truckload of many that will be transported during the next week in preparation for the big Centennial Airshow which will take place at the Charlottetown Airport on July 2nd.

Red Stripes Out For Bacon After June 30

OTTAWA (CP) — The health department warned the meat trade Thursday that the use of red stripes on bacon wrappers becomes illegal after June 30.

In a statement it said its food and drug inspectors will keep a careful eye on Canadian retail shops in the first week in July to make sure the wrappers are no longer in use.

The department decided last February that the red stripes tends to mislead the consumer as to the nature of the bacon inside.

Officials said any red-striped bacon wrappers found used in stores after June 30 will be confiscated, and those persons found to be contravening the regulations may be taken to court.

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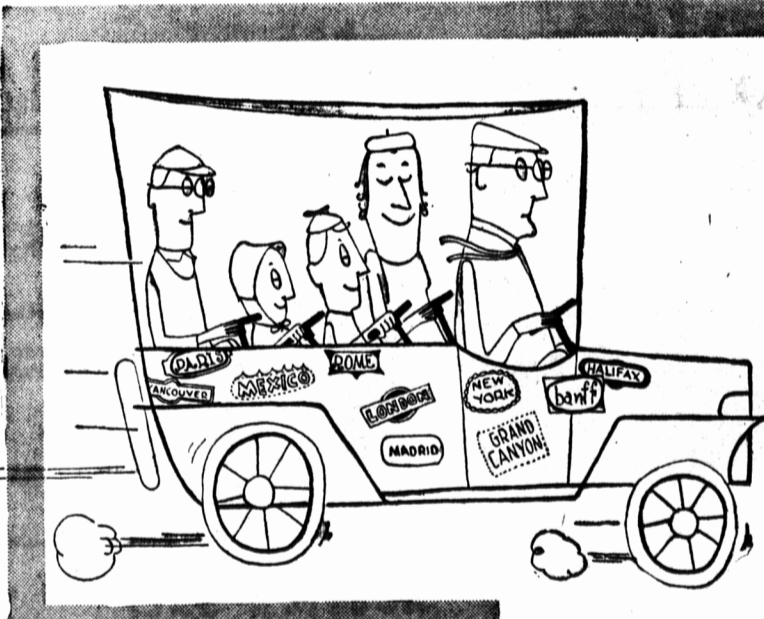
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PARIS (Reuters) — Francis Lacoste, who was replaced as French resident-general in Morocco this week, today was named French ambassador to Canada.

NEW RESEARCH DISCOVERY BY IMPERIAL OIL MEANS EXTRA MILEAGE FOR CANADIAN DRIVERS



Improved Esso gasolines and new Marvelube motor oil used together give these results:

1. MORE MILEAGE
2. IMPROVED GETAWAY
3. LESS ENGINE DEPOSITS

HERE'S PROOF FROM IMPERIAL OIL'S RESEARCH LABORATORIES



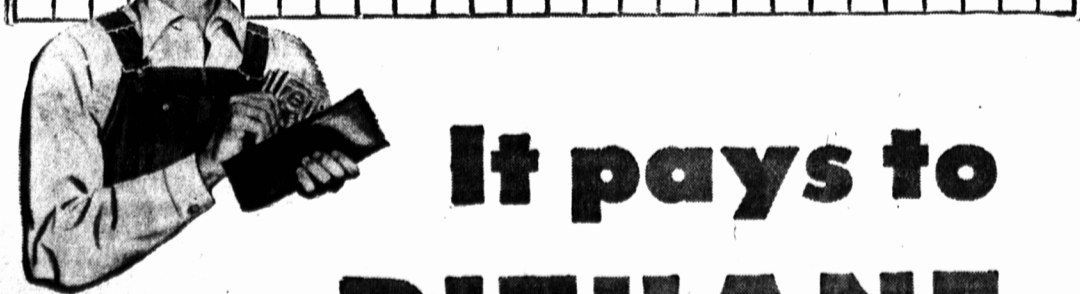
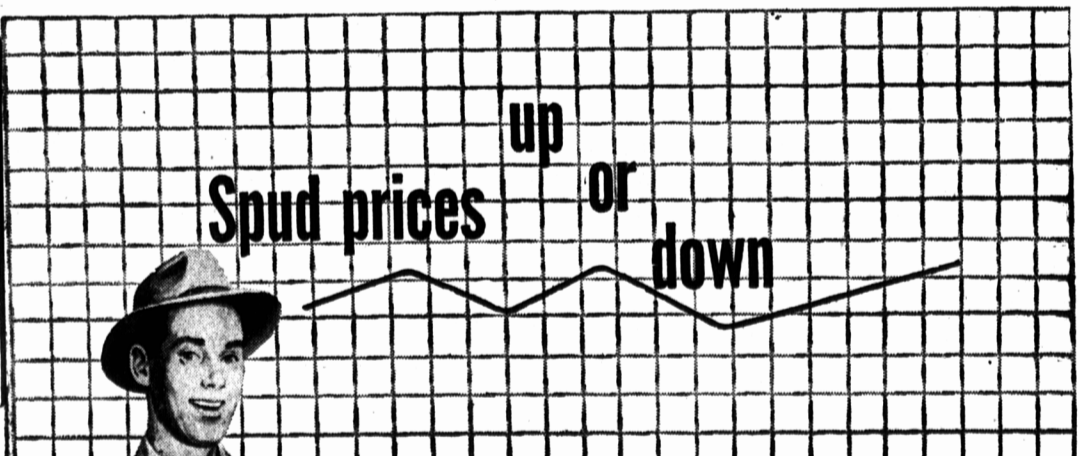
Laboratory tests show that improved Esso and Esso Extra burn cleaner—leaving less engine deposits that rob cars of power.

This research also revealed that when new Marvelube is used together with Esso gasolines there is an even greater reduction in deposits.

Three years of road tests prove that Esso gasolines and new Marvelube used together result in faster getaway and more mileage.

Drive in today—prove to yourself the better performance you can get.

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It pays to use DITHANE

DITHANE yields more potatoes per acre—averages 49 bushels more than other fungicides. And more No. 1's to the acre!

It is a matter of record that DITHANE-protected vines increased yields by an average of 49 bushels to the acre—and produced more No. 1's than vines treated by other fungicides. In fact, recent studies showed yields of top-quality potatoes were as much as 30% greater with DITHANE. Vines stayed healthy and

green for weeks longer, with no stunting or burning of the plants.

Potato growers have found by long experience, that DITHANE is the fungicide that can always be depended upon, under all conditions—for more No. 1's to the acre. That's why the most successful growers use DITHANE for blight protection all through the season.

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