



COMMUNITY SCHOOL CLOSES

Miss Ida Clark, Mr. Stewart was the chairman of the Community School which held its closing dinner in the Mt. Stewart Memorial hall Wednesday evening. Others in the picture

LEFT TO RIGHT, are Hon. Andrew MacRae, John Macdonald, P.E.I. department of agriculture fieldman, and Rudi Dalenbach who was warmly complimented by the agricul-

ture minister who announced he has been engaged for a one-year contract, with ARDA and the province sharing the costs. The school, attended by adults, was held during the winter.

FACTS FOR FARMERS



Proper Fertilization Can Double Hay Crops

By L. B. MacLEOD
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Forage Crops, whether they are harvested as hay, hayslage, silage or pasture and fed to ruminant livestock contribute more to the total farm cash income on P.E.I. than does any other crop. It is unfortunate that we are presently exploiting less than one-half of our potential for producing forage.

It is my opinion that hay yields could be doubled on at least 80 per cent of the farms on P.E.I. All farms have a potential hay yield of four tons per acre and most farms could under careful management produce five tons of hay per acre. According to the 1961 census the provincial average yield of "fame" hay in P.E.I. was 1.76 tons per acre. This represents less than half of our potential yield and it means that we are getting all of the exercise and machinery wear and tear of forage production but only getting one-half the quantity of hay that could be produced. In too many instances in past years the hay crop has been left to grow on the fertilizer that is left in the soil after the potatoes and oats or barley crops have been grown. Under these conditions it is little wonder that the average hay yield is below two tons per acre.

Forage is an extremely valuable crop in any dairy or beef enterprise. To produce forage successfully we have to think of it in terms of its real value. If good quality hay was worth even \$25 per ton, and it was selling for more than this in many Maritime areas this year, then a five-ton acre hay crop would have a value of \$125. Unfortunately the cash return is not as direct or as quick as with potatoes or other cash crops since forage must be processed through the animal before it can be turned into cash. Nevertheless it must be considered valuable enough to fertilize at least every year and preferably twice each year if you are timing for high production.

How much fertilizer should you apply? You must apply as much as has been removed by the crop less that which is supplied from the native fertility in the soil. This native fertility is rapidly depleted when hay is grown without fertilization, and the native fertility is very low in the soil of many of the back fields presently used for hay.

FERTILIZER DEPLETION
In order to get some idea of how much fertilizer is removed by a four hay crop we can multiply the yield in pounds by the percent of nitrogen, phosphorus and potassium in the tissue. By conservative estimates a four-ton hay crop will remove 250 pounds of nitrogen, 30 lbs. of phosphorus and 200 lbs. of potassium. In terms of fertilizer this removal represents 800-900 pounds of ammonium nitrate, 300 pounds of superphosphate and 400 pounds of muriate of potash.

Total cost of this fertilizer removed by four tons of hay would be \$45. Some of this fertility will be supplied from the soil but the fertilizer costs for a four-ton hay crop may go as high as \$35.

A four to five ton crop of timothy hay would require 1,000 pounds of 15-5-15 fertilizer costing \$35 per acre. It is more costly to fertilize grasses such as timothy or bromegrass because all the nitrogen they use must be supplied as fertilizer. Alfalfa hay, alfalfa, timothy hay or red clover timothy hay do not require much nitrogen fertilizer since the legumes such as alfalfa and red clover can utilize nitrogen from the air by fixing it in nodules on their roots.

Fertilization costs for a four to five tons legume-grass mixture such as alfalfa-timothy or alfalfa-bromegrass would therefore not include nitrogen fertilizer and would be approximately \$20. Legume and legume-grass mixtures will, however, respond

to nitrogen fertilizer in the spring. This fertilizer nitrogen helps both the legumes and grasses to begin growth in the cold soil of early spring and to keep growing until June when the legumes begin to fix their own nitrogen supply. With grass crops such as timothy or bromegrass sufficient nitrogen must be supplied to carry it through the entire season.

CUTTING TIME
Cutting management is a second very important factor to be considered when trying to double the hay yields. Time of cutting has a great influence on both yield and quality of hay. Quality of hay that is left standing in the field after the latter part of June deteriorates rapidly. Hay or silage harvested during mid to late June may be from 70 to 80 per cent digestible, while hay cut on July 15th or later may be only 50 per cent digestible.

Early cutting, in addition to removing the first cut while quality is still good, also permits the second cut to start growing before the soil moisture supply becomes limiting during July and August.

It is recommended that timothy or bromegrass hay be fertilized with nitrogen and potassium fertilizer immediately following the first cut in order to produce a good second cut crop before late August. With legumes it is recommended that muriate of potash be applied following the first cut, particularly if the fertilization rate was only moderate in the spring. Consult the soil testing service for specific fertilizer recommendations.

When early cutting, to give a two-cut hay system, is combined with adequate fertilization most farm fields on P.E.I. will produce at least four tons of hay per acre. Fertilizer costs money so a farmer must first decide what hay is worth to him before deciding on how much fertilizer he will apply.

Considering that an investment of from \$20 to \$30 will increase the value of his hay crop from \$35 to \$125 his returns per acre are greater by \$90 due to his investment. This represents a \$3 to \$4 return for one dollar spent on fertilizer. Inclusion of harvesting and storing costs will reduce these returns somewhat. Even so, I don't know of any investment that will pay better dividends than this.

With the forage-livestock economy playing such an important role in the agriculture of P.E.I. at the present time, I feel that we must give our forage crops a better chance to prove

their worth. The first step is to realize that hay is a valuable crop and that it should be fertilized and limed accordingly. The second important step is to embark on a two-cut hay system, if you don't already follow it, in order to produce high quality hay and to make the most efficient use of your haylands.

A combination of adequate fertilization and early cutting will result in high yields of digestible dry matter than are presently produced on most farms. The benefits of feeding high quality hay will be reflected almost immediately in a larger milk cheque. Why don't you plan to try it this year and see for yourself.

For further information contact either Dr. Lloyd MacLeod, Experimental Farm, Charlottetown or the P.E.I. Department of Agriculture, Box 2000, Charlottetown, P.E.I.

British Firms Are Honored

LONDON (CP)—One hundred and fifteen British firms, including the subsidiaries of three Canadian companies, have become the first to receive a unique honor, the Queen's Award for Industry, for their achievements in technology or in boosting exports.

The announcement was made Thursday, the Queen's birthday, by a special committee set up to administer the new scheme.

Of the 115 awards, 86 were given for notable success in building export markets; 11 for improvements or innovations in technology, and 18 for combined achievement in export and technology.

Nuclear Enterprises (G.B.) Ltd., a subsidiary of Nuclear Enterprises of Winnipeg, received an award for technological innovation in scientific instruments. Massey-Ferguson Holdings, a subsidiary of Canada's Massey-Ferguson Ltd., received an export award, while a combined award went to Distillers Co., a subsidiary of Distillers Corp. Ltd. of Montreal.

The scheme was announced a year ago by Prime Minister Wilson as part of the Labor government's incentives for industry. The awards will be presented annually in future.

TIDE PLAN TAKES YEARS
The use of Passamaquoddy Bay tides to produce electricity was planned in 1919 and work began on the task in 1935.

Daily Press In Rhodesia Commended

TORONTO (CP)—The Canadian section of the Commonwealth Press Union has passed a resolution commending the daily press of Rhodesia for opposing that country's government and its press restrictions.

The organization, at its annual meeting, also re-elected Ross Munro, publisher of The Canadian, Toronto, as chairman.

Other officers elected were I. Norman Smith, Ottawa Journal, honorary chairman; W. J. Blackburn, London Free Press, vice-chairman; W. A. Crack, honorary secretary; treasurer; R. A. Graybiel, honorary auditor.

Elected to the executive committee representing the daily press: Hon. Oscar Gilbert, Quebec Le Soleil; R. S. Malone, Winnipeg Free Press; K. R. Thomson, Thomson Newspapers Limited; representing the weekly press: H. E. McCormick, The Monitor, Montreal; representing the periodical press: Floyd S. Chalmers, Maclean-Hunter Publishing Co. Ltd., Toronto.

The following were elected to represent the Canadian section of the council: J. S. Atkinson, Toronto Star; St. Clair Balfour, Southam Press Limited; Floyd S. Chalmers, Maclean-Hunter Publishing Co. Ltd.; James L. Cooper, Toronto Globe and Mail; J. D. MacFarlane, Toronto Telegram; John G. McConnel, Montreal Star; Gillis Purcell, Canadian Press, Toronto; J.W. Stebbins, Montreal La Presse; K. R. Thomson, Thomson Newspapers Limited.

Text of the CPU resolution: That the Canadian section of the Commonwealth Press Union commend the daily press of Rhodesia for its gallant effort in opposing to the limit of its resources and ability the imposition of illegal government upon the peoples of Rhodesia, and its continuing battle against censorship and other restrictions aimed at preventing the free flow of news and opinions within Rhodesia.

COLOR GLEAMS BRIGHT
EDMONTON (CP)—A group of chemical companies, four in Edmonton, are to build a \$750,000 pavilion for the 1967 Montreal World's Fair. Called Chemical Kaleidoscope, its theme will be colors.

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Laurentide Financial Corp. Gets California President

VANCOUVER (CP)—Laurentide Financial Corporation Ltd. Thursday announced the appointment of a California financial executive, Myrwil L. Goeglein, as president and chief executive officer of the corporation.

Mr. Goeglein, 58, moves to Vancouver-based Laurentide, an international financial company with assets of \$365,000,000 and operations in seven countries, from Pacific Finance Corporation. He was a senior vice-president and director of the California-based company which has assets of more than \$700,000,000.

He succeeds Peter Paul Saunders, one of the founders of Laurentide, who becomes vice-chairman. Maurice F. Strong of Montreal earlier was appointed chairman.

Andrew E. Saxton, a co-founder of Laurentide and executive vice-president, has been appointed chairman of the board of Laurentide's largest subsidiary, Laurentide Finance Corporation of California, and continues as a director of the parent company.

There were indications earlier this year that Laurentide was in financial difficulty. The company's six-month financial statement for the period ending Dec. 31, 1965, showed net earnings had declined 3.3 per cent from the same period one year earlier. Share earnings were 38 cents compared to 73 cents in 1964.

WILL GIVE DEPTH
They said the management shifts were needed "to concentrate on the higher yield consumer loan business during a difficult money period and at the same time handled planning for future growth."

Mr. Saunders and Mr. Strong said in a statement the realignment "will give Laurentide an added depth of management."

Mr. Saunders said his new post will allow him to concentrate on the continued development of Laurentide's European interests.

Mr. Saunders and Mr. Strong started Laurentide in 1950 as a Vancouver company financing car purchases in British Columbia. It was then known as Imperial Investment Corporation Ltd. Imperial Investment became a public company in 1954 and

secured the participation of Power Corporation of Canada as a partner during the tight money period of 1956. It established a major base in Eastern Canada with the acquisition of Laurentide Acceptance Corporation of Quebec in 1957, and expanded to the United States with the purchase of Mercantile Acceptance Corporation of California in 1961.

The corporate name was changed to Laurentide later the same year.

B.C. Group Planning Aid To Viet Cong

VANCOUVER (CP)—The organizer of a group collecting money to aid victims of the war in Viet Nam said the money and medical supplies will go only to Hanoi and to the Viet Cong in South Viet Nam.

Dr. Allan M. Inglis of Vancouver said victims of Viet Cong activities in the Saigon region are getting ample medical aid from Canadian, American and German medical teams.

Dr. Inglis' Canadian Aid for Viet Nam Civilians already has collected \$2,000, which was sent to Hanoi as a cash gift. A 250-pound shipment of medical supplies will be sent next month.

T. C. Douglas, leader of the New Democratic Party, is one of those sponsoring the organization. He said earlier in an interview that he understood the medical aid was to be distributed on humanitarian grounds, both in the north and the south, regardless of political beliefs.

Dr. Inglis said the aid will be distributed through Red Cross organizations in Hanoi and through the Red Cross of the National Liberation Front (Viet Cong), in the south.

Asked why the aid could not be sent to the Viet Cong, Dr. Inglis said the aid would be distributed through Red Cross organizations in Hanoi and through the Red Cross of the National Liberation Front (Viet Cong), in the south.

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Arsonist Examined

QUEBEC (CP)—Police said here a 29-year-old man who confessed to setting fire to a number of buildings, including the official residence of the lieutenant-governor of Quebec, is undergoing psychiatric examination.

A spokesman for the provincial police said it was impossible for the man to have set fire to the lieutenant-governor's residence, Bois de Coulonge, in suburban Sillery.

He said an investigation established without doubt the man was in St. Nicolas, Que., on the night of Feb. 21 when a fire, in which the lieutenant-governor, Paul Comtois, 69, lost his life, destroyed the mansion. St. Nicholas is about 12 miles from Sillery.

have been distributed evenly through both Hanoi and Saigon, Dr. Inglis said it is "well known that Saigon is thoroughly corrupt and we don't want to see this aid going into the black market."

Dr. Inglis, a physician, is also a lecturer at the University of British Columbia and chairman of the British Columbia branch of the Canada-USSR Friendship Society.

Pending approval of an export permit from Ottawa, his organization plans to send \$1,000 in medical supplies by ship to the Russian Red Cross from Montreal to Leningrad. The Russian Red Cross will transfer these supplies to Hanoi and the National Liberation Front.

Dr. Inglis said his organization plans further shipments possibly including plasma. Next month's shipment will contain antibiotics and other drugs.

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The QPP spokesman said the man has been arraigned on charges of setting fire to a number of buildings, but that most of his confessions were obviously false.

An inquiry into the fire at Bois de Coulonge concluded it was not of criminal origin and was probably started by an electrical spark.

EXTEND EMERGENCY
SALISBURY (Reuters)—The Rhodesian Parliament Thursday voted 43 to 13 in favor of extending the current state of emergency in the country for a further three months. The emergency was declared last Nov. 5, a week before Prime Minister Ian Smith's regime seized independence from Britain. It was extended for three months at the beginning of February.

Business Briefs
MONTREAL (CP)—D.F. Bowie, president and general manager of Canadian Overseas Telecommunication Corp. said Thursday direct overseas telegraphic operations between Canada and the Soviet Union have been opened. He said this service eliminates any intermediate handling and will provide an improved service.

OTTAWA (CP)—New 91-day government of Canada treasury bills auctioned this week: \$100,000,000 at an average price and yield of 98.745 and 5.10 per cent last week, same amount and terms, 98.744 and 5.10 per cent.

PRINT BOOK FOR FARM
WINNIPEG (CP)—The University of Manitoba's agriculture department has spent 30 months preparing a farmers' handbook "as useful as Dr. Spock is to mothers." For \$3, the book discusses soil, crops, weeds, livestock, breeding and diseases, farm equipment, credit, insurance, and legal matters. It is the first such handbook published by a Canadian university.

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