

### Bond Issue Subscriptions Run Past \$300,000,000

By JAMES NELSON  
 OTTAWA (CP) — Subscriptions for the government's new bond refinancing offer this week ran beyond the \$300,000,000 limit when the books closed Tuesday night, acting Finance Minister Sharp announced Wednesday.

An investment business source here said the next test will likely come in about two months time when the government must arrange refinancing for some or all of another \$300,000,000 worth of bonds falling due in February.

The government offered the new bonds, which are to be dated and issued Dec. 1, to replace \$300,000,000 out of \$325,000,000 worth of 3½ per cent bonds which mature on Dec. 1. The government thus plans to redeem \$25,000,000 of the indebtedness for cash.

The refunding issue was offered as additions to three other bond issues in the short, medium and long-term ranges. At the prices the additions were offered, the yields are to be 5.15 per cent a year for 12½ months, 5.41 per cent a year for 49 months, and 5.6 per cent a year for 118 months.

**TAKE-BIG SHARE**  
 The Bank of Canada agreed with the government before the

additional issues were offered publicly to take at least \$100,000,000 of the \$300,000,000, without specifying the term. Wednesday's announcement did not say what quantity the central bank took, or what issues it bought.

But all the subscriptions were allocated among the three with emphasis on the short term.

For the addition to four-per-cent bonds due Dec. 15, 1968, offered at 96.85 per cent of par, the amount allocated was \$150,000,000. For 5½-per-cent bonds due April 1, 1969, offered at a

premium of one quarter of one per cent over the face value, the accepted subscriptions are being limited to \$100,000,000. And for the long-term, additional issue of 5½-per-cent bonds due Oct. 1, 1975, subscriptions of up to \$50,000,000 are being accepted.

With these additions, there now will be \$450,000,000 worth of four-per-cent bonds falling due April 1, 1969, and \$300,000,000 falling due Oct. 1, 1975 at the same 5½-per-cent annual interest rate.

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Indians born actor Forrest Tucker registers delight or dismay with the gift he was presented at the annual Thanksgiving luncheon of the Caravan Club where he was a guest Thursday. Ducks and other unusual gifts to members and guests were the order of the day. (AP Wirephoto)

### FACTS FOR FARMERS



## Warble Fly Program Could Clear Island

By DR. H. H. KELLY  
 Director of Veterinary Services  
 P.E.I. Dept. of Agriculture

This fall, the P.E.I. Department of Agriculture is organizing a Warble Fly eradication program to cover all of P.E.I. from Portage east. There are various reasons for undertaking this program. Some of these are:

**ERADICATION POSSIBLE**  
 The insect does not fly across water nor does it fly more than one mile in any direction. This means that P.E.I. could easily become free of this pest and the only source of reinfestation would be cattle brought in from nearby provinces. With a minimum of effort, the province could be kept warble free.

**OVERWINTERING**  
 All flies must pass a larval (grub) stage in the host animal. This is the only way that it is possible for the fly to live from one summer to the next. It would be impossible to round them up during the fly season, but it is possible to attack and kill them during the larval stage in the host animal.

**SUMMER LOSSES**  
 There is a serious financial loss due to warble flies. In the summer, although the fly does not bite the animal, its noise make the animal gad or run about. This trouble causes a loss of milk production, a loss in weight gained, and some injuries.

**WINTER LOSSES**  
 The larval stage (winter) does slow down the growth of the animal and costs money because weight gain is not as great as it should be. Tests show that grub-free cattle can gain up to one-half pound more per day than grub infested animals.

The last stage of the life cycle of the warble fly is called the pupa stage. It is at this time that damage occurs to the hide as well as to the meat carcass, not to mention the effects on the live animal.

All these are hidden costs and when added together they become substantial.

**PREVIOUS PROGRAMS**  
 Programs such as this have been attempted in the past. One was carried out by the Federation of Agriculture and was very successful in some areas. The product used was Rotenone powder and it was applied by scrubbing the powder into the back when the warbles appeared in the Spring. Its main fault was having to use it at least twice in the same Spring. As well it was a messy chore. Because of the faults, co-operation was not all that was desirable.

**RUELENE**  
 Since that time, newer insecticides have been developed and now there is one (Ruelene) that is used in the Fall of the year. This chemical kills the small grubs (larva) which live over winter inside the animal. Only one application of this is necessary and it is very simple to use. You just pour a specified small amount on the animal's back. There is no need to scrub it in or to do anything additional. This is called a systemic insecticide. That is, it is absorbed into the animal's system and is car-

ried by way of the blood stream to the larva. The back is used only because it is a reasonably flat area for this material to be absorbed through the skin.

The chemical is mixed with water before application. One ounce of Ruelene is mixed with three ounces of water. This mixture of Ruelene and water is used at the rate of one ounce 100 pounds of body weight. Animals weighing 800 pounds or over still receive only eight ounces. Before treating, be sure to observe all precautions. Read the label carefully.

**LOUSE CONTROL**  
 A single treatment in the Fall usually provides seasonal louse control.

**FALL TREATMENT**  
 Fall treatment with the systemic insecticide is limited to dry cows and young cattle. Do

not treat (1) cows whose milk is being used for human consumption (2) Animals to be slaughtered within 28 days. Calves that were not out to pasture will not be infected and therefore it is unnecessary to treat them. Animals not treated in the Fall should be treated with Rotenone powder in the Spring to ensure that the control of warbles is complete.

**WEST PRINCE PROGRAM**  
 A second warble fly eradication program was initiated in the Fall of 1964. We in the Department of Agriculture decided to find out how effective a complicated such a program would be. The area chosen was in Prince County, west of Portage. This area was selected because of its isolation from other agricultural areas. A systemic

**THIS YEAR'S PROGRAM**  
 The results, as I mentioned, were better in the West Prince area than we expected. Because of these findings, it was decided to carry out a warble fly eradication program in the remainder of P.E.I. this fall and eliminate this costly pest as soon as possible. There was a great deal of information gained from West Prince area and we found that we will need greater co-operation in the remainder of the province than we had in that area. This is because each staff member will be covering a much greater area. There were 19 men from the P.E.I. Department of Agriculture in this area last year with about 10 school districts each. This year there are 18 staff members of the P.E.I. Department of Agriculture involved but each is spread out over 30 or more school districts.

**METHOD OF DISTRIBUTION**  
 There has been a farm operator contacted in each school district to distribute the chemical, and each farmer has received a letter outlining the program and informing him where the systemic insecticide is available. Cattle owners are requested to pick the material up and use it as directed.

The Warble Fly Program should be very useful to cattle owners, but there must be 100 per cent co-operation. Co-operation is the key word and remember it is the cattle owners who will benefit for years to come. We in the department are doing our part. Please do your part and have all animals treated as soon as you have them stabled for the winter. This treatment should be applied if possible before December 1.

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