

Canada To Make U.S. 'Instruments'

By DAVE MCINTOSH
Canadian Press Staff Writer
OTTAWA (CP)—Some of the instruments for an American earth satellite scheduled for launching in California in 1961 will be built by Canadian Defence Research Board scientists, it was announced Monday.

Though the announcement didn't say so, it is understood that the project is part of Canada-U.S. research into development of a system to destroy in flight intercontinental ballistic missiles.

The Canadian instruments in the satellite will gather information on the electrically-charged ionospheric belt 60 to 300 miles above the earth's surface, and relay it back to Canadian receiving stations at Fort Churchill, Man., and elsewhere.

Monday's announcement was made jointly by Dr. A. H. Zimmerman, chairman of the Defence Research Board, and Dr. T. Keith Glennan, administrator of the U.S. National Aeronautics and Space Administration.

Exact date of the satellite launching depends on numerous technical and other considerations, the announcement said.

extent to which the machinery will be used, and the amount of capital available. There are other factors which enter the question, but these are probably the most important.

COSTS TO CONSIDER
The purchase of machinery will increase your inventory, but there are other costs involved. These include depreciation, interest, repairs, taxes and insurance. Then too, operation costs can't be neglected.

In a publication which came into the office, the following is the estimated cost of operating a \$2,500 tractor (at heavy work and 500 hours per year): depreciation \$125; interest \$75; repairs and repair labor \$100; fuel \$225; grease and oil \$22 and a housing charge of \$12. This amounts to \$559. While these figures will not cover all farm situations, they serve as a guide to costs which have to be met.

TWO MORE ROCKETS
Canadian instruments will also be carried in two more rockets to be fired this year. Site of the launching is not yet decided but it may be Fort Churchill.

The satellite will be launched into a north-south orbit from Vandenberg Air Force Base in California.

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to 3 ounces per gallon of the white wash mix.

After this the floor should be sprinkled with a commercial grade of sulphur flour at the rate of 2 pounds per hundred square feet of floor space. The floor then can be sprinkled with water so the sulphur helps to kill Coccidia, worm eggs and many other things.

After this procedure has been followed out two inches of clean sand may be added to the floor and the usual amount of litter put on top of this prior to the birds being introduced into the clean pen.

USEFUL TRANQUILIZERS
The newer type of tranquilizing drugs are quite safe and are finding many useful places in treating animals. Our practicing veterinarians are using them almost daily.

Several instances where this drug has a practical application are such as to quieting a sow at farrowing time, there is some evidence that beef cattle gain faster and dairy cows produce more milk when they are maintained on adequate levels of the new drug for quieting race horses, for training and other purposes, making dogs and cats easier to handle and in a number of conditions where extreme nervousness is exhibited. It is felt that the future of these types of drugs will have a much wider and varied application.

CLUB NEWS
The Wiltshire 4-H Jersey Club met for their first regular meeting at the Wiltshire School. Club leader Fred Coles and assistant, Henry Parker, were present.

The membership fee was paid by those present, and Feed Report Books were distributed.

Plans were made for the next meeting which will be held in the Wiltshire School on April 22. Carol MacLaine, secretary. Summerville 4-H Calf Club met in Albany Plains School on April 10. The meeting was called to order by the president, Gerry Doyle who led the 4-H pledge. Eighteen members answered the roll call. The minutes of the March meeting were read.

It was moved by Merrill Cronin and seconded by Robert Cain that the minutes be adopted as read. Business arising from the minutes included further discussion on the lottery. It was moved by George Power and seconded by Joseph Gill that all the lottery tickets be collected by Gerry Doyle in Albany Plains and by Mary Hynes in Summerville, for the drawing which is to be held at the next meeting. It was moved by Mary Hynes and seconded by Earl Cronin that the Treasurer buy the table lamp for the lottery. An amendment to that motion was moved by Robert Cain that the treasurer choose an adult to counsel him when buying the lamp.

There are approximately thirty-five calves this year in our club. Correspondence included two letters read by club leader, Father Murphy.

It was moved by Robert Cain and seconded by Betty Lou Doyle that judging classes in the two districts be held separately.

The following are owners of barns where club members in Albany Plains will judge cattle

this summer: James Doyle, Norman MacMillan, Brendon Curran, and Andy Doyle. Those in Summerville where the members there will judge cattle are: Cecil Walsh, Gerald Walsh, Jack Doyle and Harland Dunn. It was moved by Betty Lou Doyle and seconded by Shirley Doyle that the judging classes commence at seven o'clock sharp.

It was moved by Mary Hynes and seconded by Robert Cain that Betty Lou Doyle and Donna Walsh send in the feed reports each month.

It was moved by Ingrid Rudish and seconded by Leah Valley that those who do not make over 65 percent in a year's work be eliminated from membership. It was announced that Father Murphy will donate a prize to the member with the most points in the year's work.

There are to be two debates next meeting. The topics and debaters were chosen by Father Murphy. The judges will be Mrs. Cecil Walsh, Father Murphy and Gerry Doyle.

Three speeches were given and the judges decision was in favour of Merrill Cronin. This was followed by remarks by Father Murphy.

A special meeting will be held on Friday, May 17. Leonard Hynes will act as chairman. The recreation period proved to be most amusing. It was moved by Earl Cronin and seconded by Robert Cain that the meeting be adjourned until May 29, 1958.

New Perth and Summerville 4-Hers met in the Summerville School to hold a debate. There were two debates—a senior with the topic being "that modern

farm equipment is economical" and a junior with the topic being, "that you get a better primary education in country schools than in city schools".

In the senior division the affirmative side was upheld by the New Perth 4-Hers with Ruth LeLachur as the leader and Merrill Mellish and Dale Dewar as the other speakers. On the negative side were Gerry Doyle, Ingrid Rudish and Leonie Hynes of Summerville. This debate was won by New Perth.

On the affirmative side in the junior division were Mary Hynes as leader and Earl Cronin and Marie Cronin as other speakers of Summerville. On the negative side were John Cain, Audrey Kennedy and Mary K. LeLachur of New Perth. This debate was won by Summerville. These two clubs look forward to these debates, which have become an annual occasion.

New Perth 4-H Club's third meeting was called to order on March 30th by the singing of the 4-H pledge. The meeting was called to order by George Dewar. The local leader, Jean LeLachur, was present. The roll call was answered by 17 members. The minutes of the last meeting were read and approved.

Ruth LeLachur gave a speech on "Shipping Fever." The text on "Manure" was answered. The membership fee was paid and 25 cents was given to each member to invest. The club leader asked questions on the manuals. The next meeting is to be held on April 17th, and the roll call

answered by "How You Invest Your 25 cents." Denney Mellish, secretary.

EAST BALTIC CLUB

The East Baltic Calf Club of East Baltic held its meeting on March 9th. at the East Baltic School. The meeting was called to order by repeating the club pledge. The local leader, John B. Fay, was present. There were 10 present and 4 absent. The minutes of the last meeting

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AGRICULTURAL NEWS

P.E.I. Department of Agriculture

PASTURE CARE

Don't abuse your pasture by too early grazing. Let your grass grow to a height of five to six inches before you turn your stock on to the pasture.

To maintain the stand of legumes practice rotational grazing. In this type of grazing the pasture is usually divided into four or more fields and the dry cows and young stock follow the milking cows from field to field. Electric fences have made this system practical on most farms.

Pastures should not contain more than 50 percent of the legume if blood is to be kept to a minimum. Dry hay fed before animals are put out and made available in the pasture also reduces the danger of blood.

The Department of Agriculture in co-operation with other organizations has recently announced a Pasture Competition. This is open to any livestock farmer on P.E.I. Contact D.W. Rogers, Box 2000 Charlottetown for further information.

MASTITIS

Mastitis is expensive to treat and there is an addition loss through damage of valuable cows and heifers. It has been the cause of the loss of thousands of dollars annually in this province chiefly due to the fact that far too many good cows have to be removed from the milking line before they have reached maturity and can give their best.

Frequently it is asked what is mastitis. It may be defined by saying that it is inflammation of the udder through any cause. Generally there are visible changes in the milk, however, this is

not always true because there may be thick milk, bloody milk, watery milk or no apparent change.

One of the important factors in preventing mastitis is the proper care and maintenance of the milking machine. If a machine is functioning properly its action is more like that of a nursing calf than the hand milking method. If a machine is faulty it becomes a very common cause of mastitis by injuring the udder.

Frequent checks should be put on the amount of vacuum. The number of pulsations per minute. If either of these are out, that is either up or down, serious damage may be caused. Vacuum gauges should be used, not the fixed type, the one that you can carry in your hand and put on any of the outlets. If a fixed vacuum gauge is used it only gives you the amount of vacuum at that particular point which may not be representative of the entire system.

FARM MACHINERY

The purchase of farm machinery certainly represents a big investment for farmers. It is an investment which should have lots of thought and planning behind it. Before the decision to buy is made, two alternative solutions should be considered, namely, hiring machinery and co-operative ownership or partnership.

Hiring requires little capital and eliminates housing, operation and repair problems. Co-operative or partnership cuts down on capital investment per farm.

The addition of machinery should also be considered in the light of these factors: size of farm (in improved acres), the

DIRT FLOORS

Almost every week two or three different people come into the office asking how am I going to clean up my poultry house and then go on to say well I guess I can't do too much about it due to the fact that I have a dirt floor. This can be over come by following a simple procedure.

First the house should be thoroughly cleaned out, the walls, roosts, nests and any other parts scraped down, all the old litter removed and the top two inches of soil. The walls and ceiling then may be disinfected by using of the ordinary disinfectants or 2 percent lye solution. If you are using white wash include your disinfectant at the rate of about



WATTS MISSING?

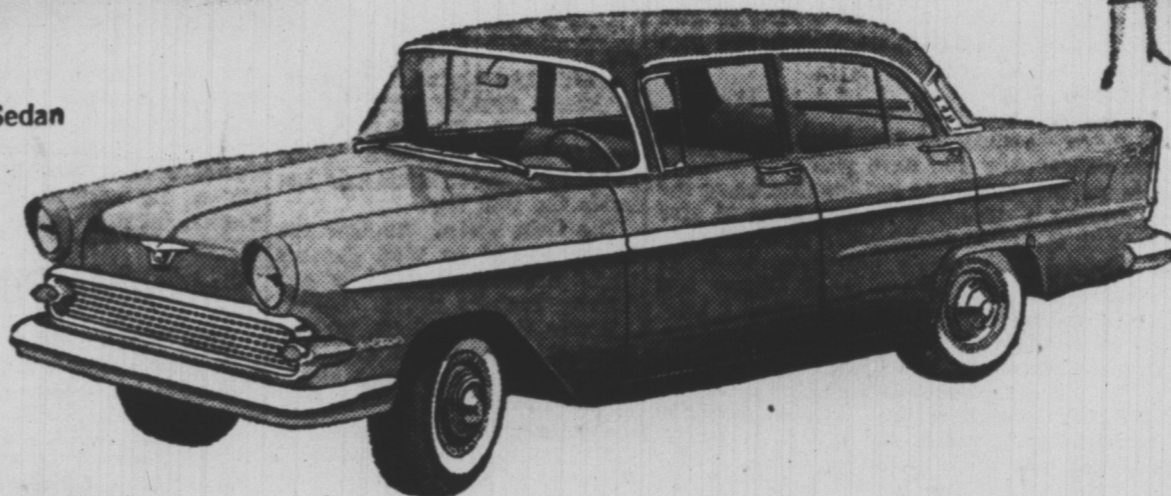
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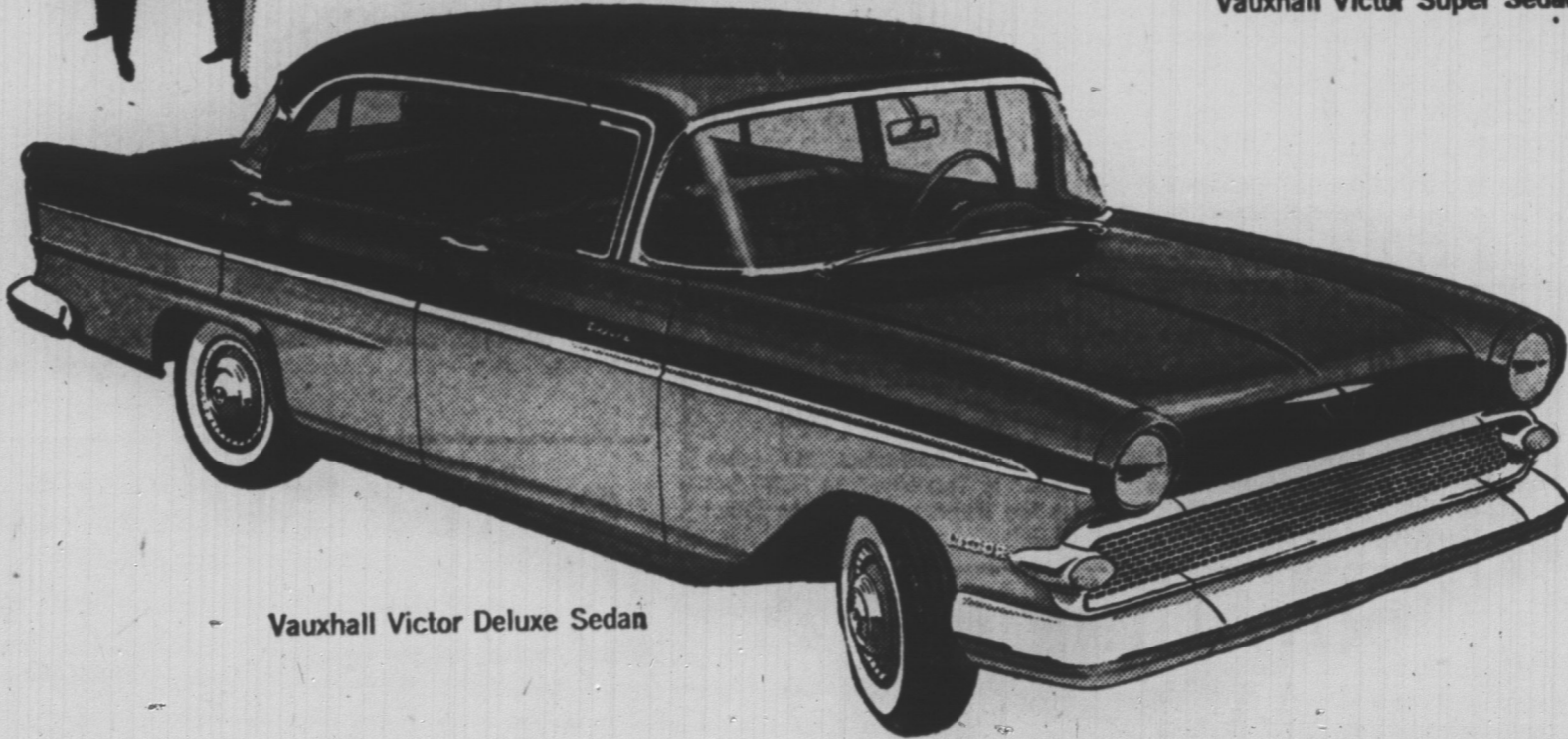
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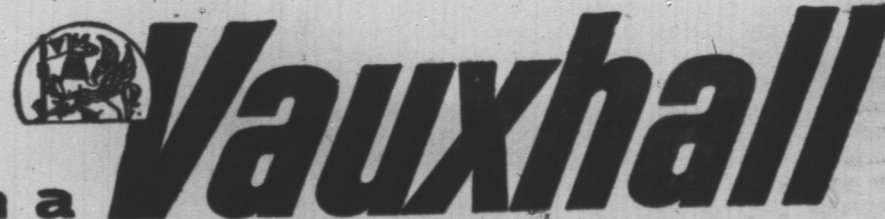
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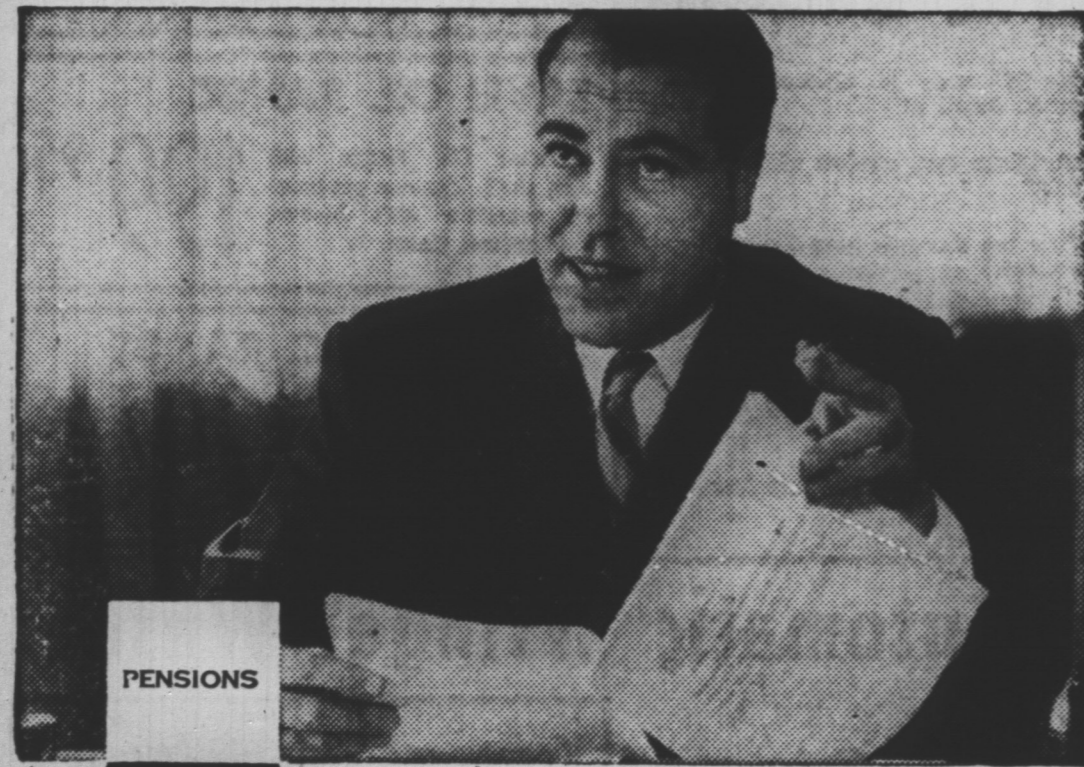
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