

Try Tracing Cancer Spread With Body Scanner Machine

In the biophysics research department of the Princess Margaret Hospital, Dr. Jan Cederlund, an exchange Fellow from Sweden, is experimenting with a ponderous machine called a total body scanner which it is hoped will locate cancer cells that have emigrated from the original growth to other parts of the body.

Determining the extent, scope and location of the spread of cancer cells from the original growth is one of the most serious problems in the treatment of the disease. This spread — called Metastasis by doctors — may take place early or late and may be extensive or limited. For instance a primary cancer in the lung may have metastasized to the brain without detection and cause trouble there after the primary has been removed. The body scanner works by detecting radio-active substances given to the patient, which are taken up by the cancer cells. The body is then surveyed by the device which contains a detector sensitive to the rays given off by the radio-active compounds.

The difficulties, Dr. Cederlund explains, lie in finding radio-active materials which are deposited in tumorous cells rather than in normal cells and at the same time are short-lived enough not to cause damage.

The mechanics are quite simple. The patient lies on a metal "bed" and underneath him the crystal, encased in a 1,500-pound lead ball roams back and forth and up and down under the bed looking for cancer. An ingenious focusing device for the sodium iodide crystal, by means of which 37 chambers converge from the crystal which is five inches in diameter to a small opening, was developed by Dr. Harold Johns, head of the Physics Department, Dr. Cederlund and Mr. A. D. Rotenberg, who operates the scanner.

THORNLEA

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The April general meeting of the Thornlea Home and School Association was held April 13 with Mrs. Wright presiding. After reading the minutes of the previous meeting, Mrs. McQueen read the new Thornlea Home and School by-law regarding:

- (a) The name
- (b) Title of officers
- (c) Time and night of meetings
- (d) Annual scholarship - proficiency award.

It was also decided a quorum for association meetings would consist of one-third of membership. Annual membership fees would be raised to \$1.00.

Mr. Kinzinger was called on to speak and he asked parents to take note of the times the crossing guard was at Bayview and No. 7 Highway. The times are listed in the home and school bulletin sent home by pupils last week. Some pupils are arriving at school before 8.15 a.m. and no staff is present at that time. Mr. Kinzinger then introduced the guest speaker, Mr. Frost of the Board of Trustees, Markham School Area No. 1. Mr. Frost told of the problems that faced the new trustees at their first board meeting. He said there are about 300 pupils from new subdivisions in the southwest to be accommodated. The board recommends a new school site east of Bayview and increased capacity at Henderson Avenue school. The board has permission to build a new school when they feel the need arises. 150 Markham children attend school in Vaughan and will do so for another year. The speaker brought the good news of a planned extension program for Thornlea. He said the architect had been instructed to draw up plans for two more class rooms, cloak room, teachers' room and a play room. A very interesting question period followed, when Mr. Frost was asked if he realized the lunch hour problems of Thornlea as such a large number of children stay for lunch. It was asked if there had been any further effort to obtain stoplights at No. 7 and Bayview, a very dangerous corner for children. Kindergarten children will still be going to Vaughan Township schools.

Mrs. McQueen reported on the recent telephone survey held by the executive. 78% were in favor of carrying on the association; 15% were not interested and 7% just did not attend.

Mrs. Wilkins reported the family dance night very successful. The problem of York University was raised by Mrs. Hutchinson and after discussion it was decided that it would be of great educational and cultural advantage to the community. It was decided to write a letter of opinion to any influential body, in favor of having the university on the Langstaff jail farm property.

Birthday greetings to Ann Sherman, Master Feeds Farm, who celebrated her 15th birthday on April 13.

Former friends of Gizelle Kaner were happy to see her spending her Easter holidays with her sister, Mrs. Bailey, Sussex Ave. Gizelle moved with her parents to Niagara Falls, last fall.

Your correspondent hopes all her readers enjoyed the pleasant spring weather during Easter week end. Don't let today's (Monday) weather dampen your gardening enthusiasm because it can't last for ever and warm weather is bound to come to stay soon.

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the Ontario Cancer Foundation and the National Cancer Institute of Canada, which recently provided him with \$51,800. Most of this money comes from the Canadian Cancer Society.

5,000 Easter Eggs For Orange Home

At the Loyal True Blue and Orange Home, north of Richmond Hill, the legend of the Easter Bunny is not just a one-day affair. For Easter time is the period of the year when the Aurora Orange Lodge makes its annual egg collection for the Orange Home through local schools, and by many cash donations received to buy eggs — Grade A hens' eggs that is!

There are 77 children at the Orange Home, along with a staff of 14 personnel, headed by Matron S. Freethy — and, as Mrs. Freethy puts it, "Being a housekeeper at this time of year, with eggs so expensive is not easy. But we always see that each child has at least three eggs a week, no matter what the price. This annual egg collection by the Aurora Lodge is a wonderful thing and we appreciate it very much."

At Easter time, 100 dozen eggs were delivered to the Home, and as a result of the collection another 3600 are reserved in cold storage. Matron orders 30 dozen lots when needed until the "egg bank" is used up.

Several Easter Bunnies visited the Home over the Easter holiday and left chocolate and candy eggs too and a large quantity of chocolate eggs were received in time for Easter from Georgetown.

Mr. Collins, manager of the

Richmond Hill Woolworths store, visited the Orange Home on Easter morning with all his surplus stock of candy eggs; Woolworths, Toronto, also sent eggs, and a gentleman from Newmarket who said, "Just call me the Easter Bunny", called at the home and left a varied collection of coloured eggs.

We asked Mrs. Freethy how they divide the candy eggs among the children and she told us they are given out at dessert time, following their supper. "We have a dental clinic looking after the children's teeth", she smilingly told us, "and we don't like to undo the good work. But since the children clean their teeth night and morning we feel that if they have candy right after their meals no damage will result to their teeth. She also added that allotting the candy eggs alike to each child ensures no tummy aches at the Easter season.

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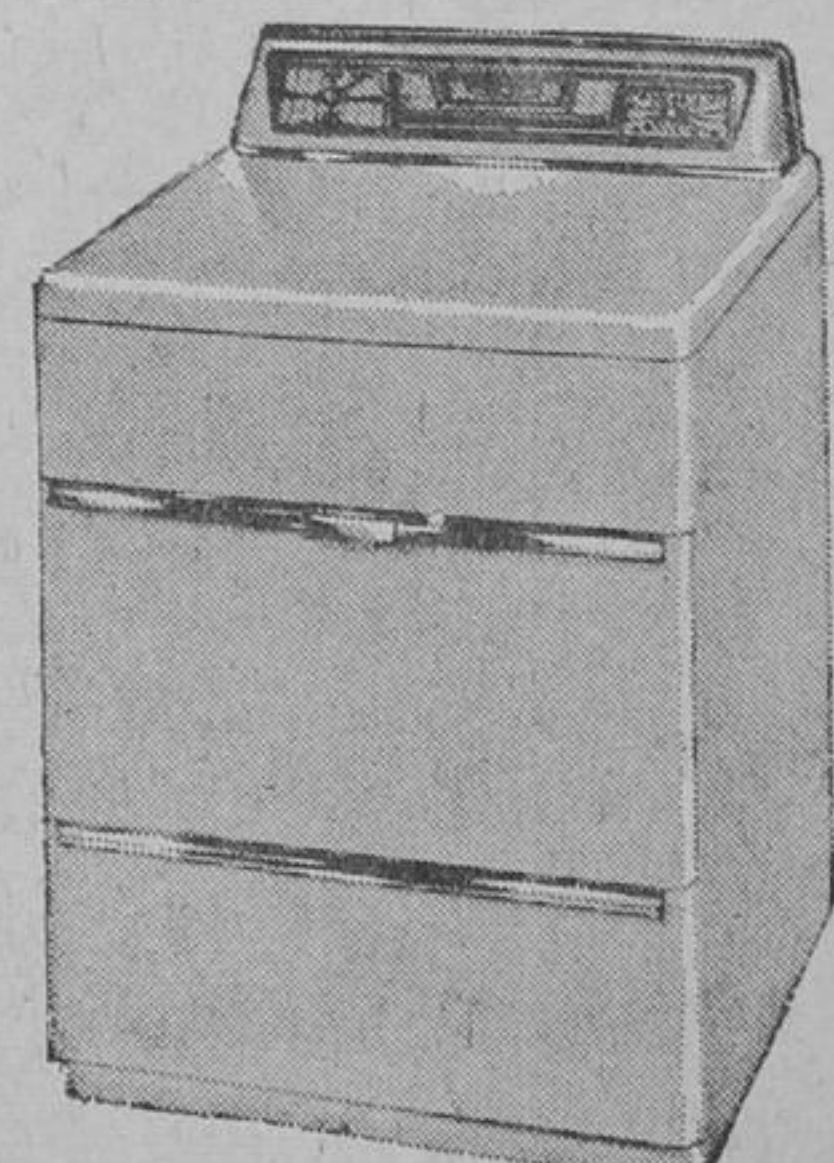
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