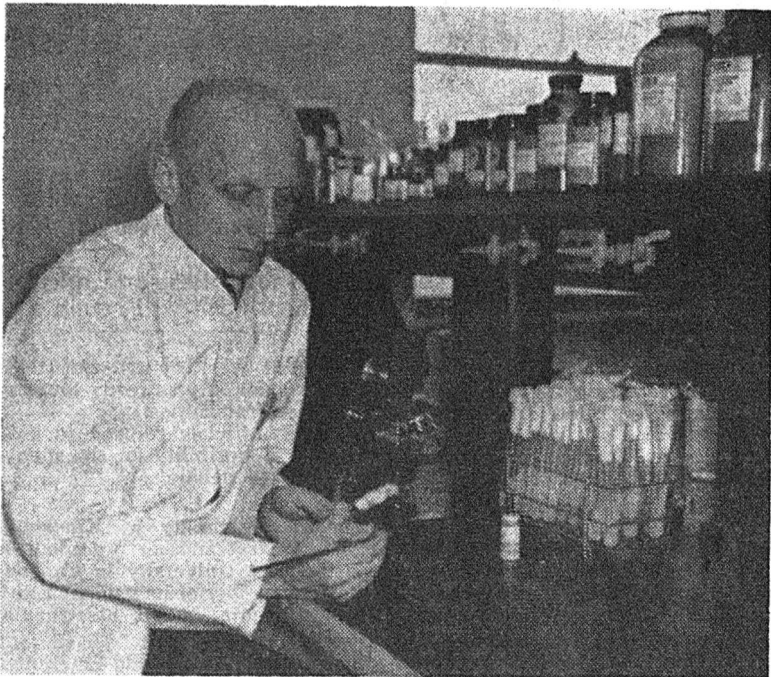


U. of A. Prof. Makes Discovery



A University of Alberta professor has discovered a chemical agent which may be a potential protection against the effects of atomic radiation.

Dr. Jan Weijer, professor of genetics, discovered by experiment with breadmold that the presence of calcium increases the survival rate of irradiated cells of this micro-organism.

Basically, any calcium compound will give this protection, but the most effective one chosen by Dr. Weijer is calcium gluconate. This consists of a calcium atom and a glucose molecule.

Dr. Weijer gave a simplified explanation of radiation effects on cells and their reaction to calcium treatment. The membrane of a cell exposed to radiation becomes overly permeable. A leakage results, and the process of this leakage manifests itself by the loss of plus charged ions present in the protoplasm of the cell. The cell thus becomes negatively charged.

Calcium, a bivalent positive ion, is attracted to this cell, forming a protective shield around it, thus stopping the leakage.

It is not yet known if the leakage

is stopped mechanically by a wall of calcium, or by an electrically charged field of calcium surrounding the cell.

The significance of Dr. Weijer's discovery is the preservation of public health during warfare. In the event of war, calcium gluconate would be administered to persons injured by the radiation of nuclear fallout. This treatment has been administered to animals and proved very satisfactory, Dr. Weijer asserted.

He likes to think of the benefit his discovery will have on the treatment of cancer. Where a high degree of concentration is necessary for a cancer cure, calcium gluconate will cut down side effects of radiation on the whole body. It will also enable increased doses on the cancer growth itself.

Dr. Weijer came to Canada from Holland in 1957. He is a graduate of Yale and of the University of Groningen. He received a Ph.D. at each of these institutions.

He is now professor of genetics and visiting professor at Atomic Energy of Canada Limited, Chalk River.

He was supported in his research by the Canadian Cancer Institution and by Atomic Energy of Canada Limited.

The Students Voice

Radsoc Formed In 1946

The University of Alberta Radio Society was formed in 1946 to give the student body a voice and experience in broadcasting. At first only a few professors and students were involved.

Today Rad-Soc has a membership of 60. It is established on the second floor of Sub. Two studios and three tape recorders are the mainsprings of the shows heard in SUB. Soon the education cafeteria will also be joined to the closed circuit network.

Recordings are supplied to Rad-Soc by disc-jockey services and some are bought with money from Students' Union. A library of 1,200 recordings supply the music.

Rad-Soc's music policy is to provide as varied a program as possible without going to any extreme "... Because we are supported by Students Union we try to please everybody, which is almost impossible to do," said Bryan Clark, president of Rad-Soc. Senior members and a standing committee on radio determine which records are suitable for broadcasting.

Rad-Soc is a member of the Western Association of University Broadcasters. The association's aim is to foster good feeling between the public and the Universities of the four Western Provinces. It also operates, directs and controls a news broadcast and acts on behalf of the members in getting co-operation and services from other networks.

Radio Station CKUA has offered Rad-Soc a half hour spot for a show on current University activities and news. This program has been temporarily discontinued because the director has come under pressure of academic studies.

This year Rad-Soc hopes to establish a permanent news department. Public opinion polls of campus issues will be one of the departments services. New members, a larger number than usual this year, will be given training under direct broadcasting conditions. Closed circuit broadcasting will also be developed. A speaker in every main building of this campus is the aim of Rad-Soc.



RADSOC ON THE AIR

Photo by George

S.E.X. AND A SECRETARY

Laurence A. Collins, chem eng 3, was selected secretary of the Engineering Students' Society last week.

According to ESS vice-president Robert L. Hemmings, the society now has an office. It is located in Room 36 of the Medical Building.

What does "S.E.X. Soon" mean? It stands for—NurseS Engineers Xmas Dance Soon. The dance will be held Friday in the gym. Some entertainment will be provided by the nurses, said Mr. Hemmings, "which will be very good." He refused to comment further.

WUS SEMINAR

A seminar, titled **International Economic Aid, Assets or Liability?** will be held this coming Saturday, December 3 in Wauneita Lounge of SUB.

The International Committee of World University Service on campus invites all students and staff members to attend.

The seminar, lasting from 3 p.m. till 8 p.m. will feature professors G. Davy and B. R. Bociurkiw from the Dept. of Political Economy. Two graduate students, Sirish Verma from India (agriculture) and Sami Ibrahim from Egypt (agriculture) will lead the discussion. Supper will be served in the lounge for \$1.00.

This is the first of a series of events planned by the WUS committee on foreign student relations to promote a greater degree of understanding and an exchange of knowledge between foreign students on our campus and Canadian students.

WHITE GIFT

The Wauneita White Gift Christmas Party for all Wauneita members on campus will be held on Monday, December 12 at 8:30 p.m. in the Wauneita Lounge.

Each girl is asked to bring a small gift stating on the card the sex and age of the child that the gift is suitable for.

Entertainment for the evening will be provided by the Jubilaires club with Chris Evans as master of ceremonies. Mrs. Sparling will deliver a Christmas message after which Christmas carols will be sung led by Pat Hyduk and Judy Scott.

Santa Claus will be on hand to give out bags of candy to the girls.

Refreshments will be served.

The Wauneita Council issues a very special invitation to the two male Wauneita members who were initiated at the Formal Ceremony in the fall.

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