

Innoculates Fowl

Gentry Uses Chickens For Cancer Research

By SUE TAYLOR

Can you imagine cancer research in a chicken coop? Well, this is being done by Dr. Robert F. Gentry, associate professor of veterinary science, who is conducting research on the protection of chickens from cancer.

Gentry's specialty is lymphomatosis, a form of tumor characterized by an excess of white blood cells. He began work on it in 1947 at the Regional Research Laboratory in East Lansing, Mich. It was there that the fact that lymphomatosis is caused by a virus was discovered. Gentry said that his plan at present is to isolate the virus strain of lymphomatosis. A virus extract is secured from the tumors of infected birds and injected into special commercial crosses of birds susceptible to the disease. The formation of tumors would prove that the virus strain was the one which causes lymphomatosis.

This is necessary because the one previously grown in eggs and tissue cultures does not affect the average commercial bird.

The virus is transmitted in the field either by direct contact of bird to bird or by indirect methods such as drinking water, Gentry said. The chickens are susceptible to the disease during the first three weeks of their life. Therefore, the chickens being used in the experiment are inoculated with the new strain of virus before they are three weeks old.

"A major problem at present is developing the virus in large enough quantities to use for a vaccine and finding ways to decrease the number of inoculations necessary," Gentry said. "We are trying to lower the number to three at the maximum, instead of the 12 to 20 which are now necessary for good results."

As a result of this experimentation, Gentry hopes that many chickens will be protected from lymphomatosis.

"We are trying to isolate a new strain of virus to use for vaccine production and attempt immunization of field flocks, or commercial birds," he said.

Diem to Speak On 'Patterns'

Albert E. Diem, vice president for business administration, will discuss the movie "Patterns" after its showing at 6:30 p.m. tomorrow in Waring lounge.

The movie will also be shown at 6:30 tonight in McElwain lounge; at 4:15 p.m. Thursday in the Hetzel Union assembly room; and at 6:30 p.m. Thursday in the Stephens recreation room.

"Patterns," starring Van Heflin, tells about a young man appointed to a vice presidency in a corporation, and his struggles to further his principles in the corporation.

The movie is sponsored by the Student Christian Association as part of its residence hall program. Admission is free.

Stadium Readied For Graduation

Football players and football fans who used to visit a "field" on the west side of the campus will now visit a "stadium" on the east side.

Old Beaver Field which became New Beaver Field when it was enlarged in the late 40's will become Beaver Stadium at its new site, University officials said yesterday.

The University expects to use the enlarged stadium for commencement exercises in June. The new seating capacity will be 44,500 as compared to 30,000 at the old site.

Moving of the all-steel stands from the "field" to the "stadium" was completed several weeks ago.

More than 15,000 men and women have enrolled in agricultural short courses at the University during the last 67 years.

Prof to Conduct TV Interview

"Postscript," a series of television news-interview programs, began yesterday with Marlowe D. Froke, assistant professor of journalism, as interviewer.

The programs are scheduled for 9:50 a.m. every Monday, Wednesday and Friday on Channel 10, Altoona.

Froke's first guest was Albert E. Diem, vice president for business administration, who discussed how a large university seeks to handle its parking and traffic problems.

Dr. Clarence R. Carpenter, director of division of academic residence and service, will discuss the University's future in educational television tomorrow and on Friday. Walter H. Wiegand, director of the physical plants, will explain the problems involved in moving a football stadium.

Nine Students Initiated Into Arnold Air Society

Nine students were recently initiated into the Arnold Air Society, Air Force ROTC honorary organization.

They are Fitzwilliam King, Louis Plants, Lynn Berringer, John Glagola, Edward White, Albert Piccirillo, Ronald Matui, David Bigelow and David Yoder.

Deike Given Board Post

President Eric A. Walker today announced the appointment of George H. Deike, senior member of the University's Board of Trustees, as regional director of the Association of Governing Boards of State Universities. The Pittsburgh industrialist has been a member of the Board since 1925.

Williams to Give Talk

The Rev. Preston N. Williams, acting chaplain at the University, will participate on Feb. 29 in Religious Emphasis Week at Lock Haven State College.

He will speak on "Religion in the New Decade."

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