

## Immunization Against Cancer Continues To Hold Ray of Hope

Editor's note: Following is the final dispatch on what is being done to conquer cancer.

By PATRICIA McCORMACK  
New York—(UPI)—A few years ago, immunization against cancer was a wild dream.

Today, it is a remote hope. In a not-too-distant tomorrow, you can bet that a "Model-T" immunization against cancer will be a reality.

To reach this goal, a chain gang boss couldn't drive cancer detectives any harder than does the evidence that there are natural defenses against cancer.

At the Sloan-Kettering Institute for Cancer Research, clues to the nature of these defenses have been uncovered. And there is some understanding of how they work.

Top Attention  
Around the world, immunization against cancer is getting top-level attention. The reason:

Medicine is at its finest not when it cures but when it

prevents. Stubborn scientists want more than a cure for cancer. They want a sure-fire preventive—some day.

During the famous "cancer transplant" experiments at Ohio Penitentiary, some secrets were discovered about natural defenses against cancer.

And it has been demonstrated that human beings can be immunized against transplanted cancers—although not against their own.

'Problem' in Picture  
Another recent foray into the body's Maginot Line against cancer brought "properdin" into the picture. This is a substance found in the blood.

In 38 healthy Ohio prison inmates, properdin levels averaged seven units. None was below two units. Fifteen advanced cancer patients studied at the same time, averaged less than two units. Six had practically none.

Now, answers are sought to two key questions:—Do some persons get cancer because they lack properdin?—Or are their properdin levels low because a cancer growth has interfered with properdin formation?

And there is a third question: will transfusions of properdin help a cancer patient to fight the disease?

An enormous effort has been launched to answer these questions.

Another Phenomenon  
Spontaneous regression—or self-healing of cancer—is another phenomenon under study. In one recent study it was shown that at least 47 genuine cancers "cured themselves" in the absence of treatment.

In other words—it is sometimes possible for a person to subdue his own tumor. The exact mechanism behind this rare occurrence is not understood. When it is, victory over cancer—all-out victory—may be closer at hand.

In working up the cancer balance sheet, there are two other sub-headings: krebiozen and cigarettes. Both are controversial.

Krebiozen, a drug, is thought to regulate cell growth. It was developed in 1949 by Dr. Stevan Durovic, former assistant professor of medicine at the University of Belgrade, Yugoslavia.

The cancer-punch is Krebiozen is said to come from the blood of horses previously injected with an antibiotic. Its backers say the drug has helped 50 per cent of the patients who have taken it.

In 1951, the American Medical Association investigated the drug and said it was of no value. But Krebiozen enthusiasts, led by Dr. Andrew C. Ivy, of the University of Chicago Medical School, questioned the report's objectivity.

Recently, the National Cancer Institute announced plans to evaluate Krebiozen. Dr. John R. Heller, head of NCI, said it is "reasonable to expect" that this will begin in 1959.

Hands Off Attitude  
The American Cancer Society meanwhile, has adopted a "hands off" attitude toward the drug. Not so with the ACS and cigarettes, however.

The society has accepted evidence that cigaret smoking is "a causative factor in lung cancer." The U.S. Public Health Service feels the weight of the evidence increasingly points in this direction.

"That excessive cigaret smoking is one of the causative factors in lung cancer," But the Tobacco Industry Research Committee maintains that since so little is known about cancer, it is not possible to say that lung cancer is produced by cigaret smoking.

Meanwhile, not even the most optimistic of scientists will predict the exact year of victory over cancer. Dr. Charles S. Cameron, former president of the American Cancer Society and dean of Hahnemann Medical College, Philadelphia, looks at it this way:

"Science will gradually overcome the cancer fortress by a process of persistent siege. Cancer research has been underway for barely two generations and its present pace was set not more than 10 years ago. So there is no reason for pessimism."

## Constitutionality Of Crook School Action Questioned

Salem—UPI—Constitutionality of the law under which the State Department of Education has threatened to stop all state funds to Crook county because schools are overcrowded, has been questioned in the Senate.

Sen. Carl Francis (R-Dayton), chairman of the Senate judiciary committee, said a Senate resolution would be introduced asking the education department to defer any action on the Crook county

school matter until opportunity had been given the Legislature to enact laws to firm up the constitutionality of laws on school standards.

Senate President Walter Pearson called on the Committee for speedy action on the problem, saying that he felt the Education Department was acting without constitutional authority.

Francis said the question of constitutionality was raised by Legislative Counsel Sam Haley, who thought there was an unconstitutional delegation of legislative powers involved.

The statute, Haley said, contains no standards for the guidance of the board in promulgating school standards.

Francis said that he felt the Board of Education, through its administrative staff, had erred in the Crook county matter and in Columbia county as well.

"The city of Clatskanie is built on a hillside," Francis said. "The Clatskanie school board built a school and found because of the terrain it was necessary to locate the playgrounds some two blocks from the school."

Prineville is Problem  
"I was told by citizens of Clatskanie that the Department of Education informed the Clatskanie school board that if state funds were to be forthcoming, it would be necessary to locate the playground immediately adjacent to the school building."

"How in the world can this be done?" he questioned.

The Crook county problem is centered in Prineville which has all but 200 of the county's 2,482 pupils. There are two schools in the city, both overcrowded, with one elementary school with 607 and the other with 726 pupils.

## Three Appear in Circuit Court

Three men appeared before Circuit Court Judge James M. Main on criminal charges Tuesday afternoon.

Clifford LeRoy Eckel, 19, of 2409 Happy Valley rd., Medford, received a three-year suspended sentence and was placed on probation for three years after pleading guilty to contributing to the delinquency of a 14-year-old girl. He had waived the right to a grand jury hearing.

Sentencing of Lewis Edward Parcel, 71, of box 299, Rogue River, was continued pending receipt of an FBI report. Parcel had waived the right to a grand jury hearing and right to counsel and pleaded guilty to burglary not in a dwelling. He was charged with breaking and entering, Ernie's Building Supply in Rogue River Aug. 30, and taking tools, paint and 50 cents in pennies.

Wain Charles Johnson, Grand hotel, Medford, waived right to a grand jury hearing, and counsel and pleaded guilty to district attorney's information charging him with burglary not in a dwelling. The case was continued for sentencing.

Johnson is charged with breaking into and entering Dick and Dot's cafe, 21 North Bartlett st., on Jan. 16.

Deputies Arrest Two Talent Youths  
Two Talent youths, 15 and 16 years old, have been arrested by Jackson county sheriff's deputies on charges of burglary not in a dwelling, according to Chief Criminal Deputy Paul Bettiol.

The youths are charged with breaking a rear window in the Talent Union service station Dec. 7 and entering the service station through the same window on Dec. 31 when it is charged they took some soft drinks and tools and rolled a power-mower out into a neighboring orchard where they set fire to it.

They have been turned over to Jackson county juvenile authorities.

5,000 Visitors Are Listed at Ski Bowl  
Dunsmuir—More than 5,000 persons visited the Mt. Shasta Ski Bowl last week end, Bill di Cristina, lodge manager, announced.

He said 2,410 were at the Bowl Saturday, and 2,831 Sunday. He added that provisions are being made to increase parking facilities. There was no traffic problem last week end, he said, but additional parking space is needed.

Free shuttle service about five minutes is offered from the present paved parking lots to the lodge.

## Engineering Enrollment Dips

Washington. (Science Service)—Fewer college freshmen enrolled in engineering curriculums this past fall than at the same time in 1957.

After increasing steadily for seven years in a row, freshman engineering enrollment in colleges and universities of the United States and its outlying parts fell off sharply at the beginning of this school year, Arthur S. Flemming, Secretary of Health, Education and Welfare, reported here.

First-year enrollments in engineering climbed to 78,757 in the fall of 1957. Last fall, enrollment tumbled 11 per cent to 70,129.

Dr. Flemming called this a serious setback in a field of education vital to our national security in a period of revolutionary technological change. Total undergraduate enrollment in engineering subjects also dipped by 4.4 per cent.

Ashland Bands to Present Concert  
Ashland—Ashland high school will present three bands, the 55-piece concert band, a special novelty German band, and the Grizzly dance band in a concert Thursday, Jan. 29, in the high school at 7:30 p.m.

The program will include marches, suites, popular and semi-popular music, Raoul Maddox, band director, said. Tickets may be purchased from band members, Maddox, or at the high school office.

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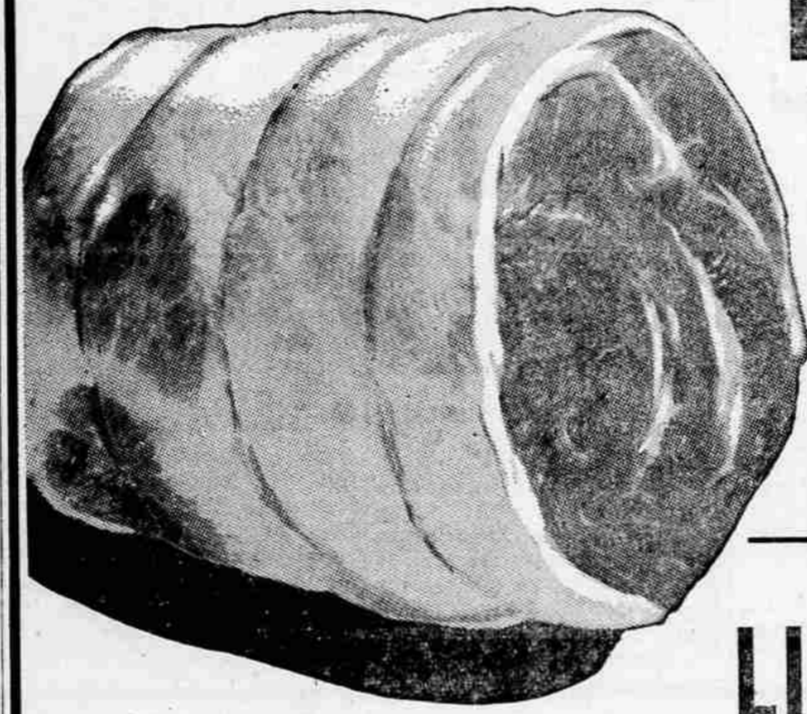
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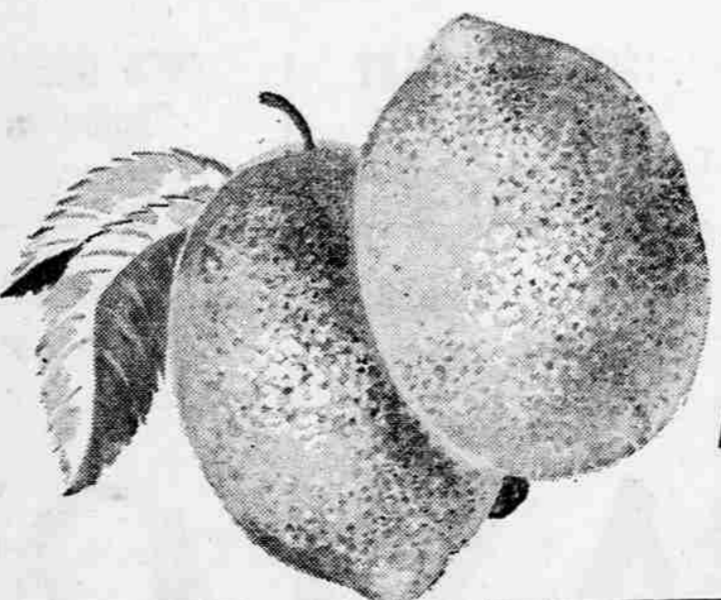
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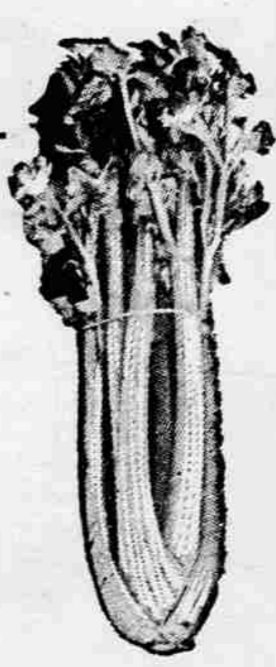
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