

# Chemical Discovery Gives New Hope For Cancer Test

By DELOS SMITH  
United Press Science Editor  
New York — An exceedingly odd chemical discovery has renewed hope that science will some day come up with a relatively simple and thoroughly reliable test for hidden cancers.

The discovery was that the virus which causes hoof and mouth disease in cattle has a definite reaction in the blood of healthy persons that it does not have in the blood of persons ill of cancers.

No one should take this to mean a reliable cancer test is near, but it certainly shows that such a test is within the realm of scientific probabilities.

The virus and samples of human blood were brought together in test tubes to see if the former would "fix" the "complement" of the latter. You see, blood forms a ferment which, together with anti-bodies, has the power to destroy disease-causing organisms such as viruses.

**Results Astonishing**  
That ferment is called "complement." To see if it is working and active against any given bacteria or virus, you confront a blood smear with the organism. If the "complement" joins with antibodies and comes together to destroy the organism, it is said to be "fixed" and the reaction is "positive."

A team of Italian scientists confronted samples of the blood serum of 1,399 persons with hoof and mouth virus in this complement fixation test and got astonishing results.

Of their subjects, 931 were healthy and normal so far as the eye could tell. The complement was fixed, that is the reaction was positive, in 911 of them — 97.85 per cent.

**Tried On Other Diseases**  
But 101 of the 1,399 had cancers which had originated in the epithelium or surface layers of body tissue. Only six gave a positive reaction. The percentage of negative reaction was thus 91.08.

That is highly suggestive, of course, that a negative reaction to hoof and mouth virus indicates the presence of cancer. But if the existence of cancer does prevent a posi-

tive reaction, then how about the existence of other diseases?

So the scientists worked with serum samples of 367 persons with a huge variety of diseases affecting the heart, blood vessels, lungs, endocrine glands, liver, kidneys, bladder, as well as an assortment of infectious diseases. Of these, 303 or 82.56 per cent reacted as the normal healthy persons had—and as the cancer patients hadn't. **Scientists Interested**

The scientific team was headed by Drs. A. Serra and P. Lovisotto of the University of Turin, Italy. In their report to the International

## Opposition No Block, Benson Tells Farmers

Washington — Agriculture Secretary Ezra Taft Benson told four young farmers Saturday that opposition to his farm policies has "not discouraged me one bit in these last five years."

Benson said he was confident that "by winning the support of the people we can

## Urges New Roads For World Peace Plus Weapons

Asilomar, Calif. — Dr. Glen T. Seaborg, Nobel Prize winning nuclear scientist, believes the United States should develop all the weapons of atomic age warfare — but should seek new roads to world peace.

The University of California scientist told delegates to the opening session of the World Affairs Council of Northern California that to be unarmed or partially armed in the same world as a totally armed Soviet Union "is unthinkable for us and for our friends."

However, he suggested that "massive exchanges" of Russian and American citizens would bring a better understanding between the countries.

Seaborg said he was not referring to summit conferences, but to a "really massive exchange of visitors, students and trainees — numbering in the tens of thousands at least."

"The purpose of these visits would not be to engage in debate as to which political system is better, but merely to replace faulty information with true — and perhaps even to get across the idea that deep down inside the other fellow doesn't really wish to blow one to smithereens," he said.

## Fishing Junks Halted By Reds

Hong Kong — Armed Communist Chinese patrol boats have been stopping Hong Kong fishing junks in the territorial waters of this British crown colony, Chinese report.

A government spokesman said five patrol vessels flying Communist Chinese ensigns were stopping fishing junks Thursday, and holding them as long as 40 minutes before releasing them.

Royal naval units sent to the scene reported all quiet.

The Chinese Communists announced recently that fishermen who wished to use fishing grounds near the Pearl River estuary must join the Red-sponsored fishermen's cooperatives.

They said that after May 1 all other vessels will be subject to seizure.

## New Effect Seen On Cosmic Rays

Iowa City, Iowa — A "new effect" on cosmic rays has been revealed by the American satellites, Explorer I and Explorer II, Dr. James Van Allen of the University of Iowa said Saturday.

Van Allen, in charge of instrumentation of the Explorer satellites, would not disclose anything further about the new effect now.

The new data received from both satellites via a magnetic memory tape recorder and other recording instruments must remain "secret" for a while, Van Allen said. But he added that additional information might be available in the next two or three weeks.

## CARTOON CHIDES FRANCE

London — The Daily Express Saturday carried a cartoon showing a guard dozing outside the French National Assembly Building. Instead of counting sheep he was counting premiers.

## Emergency Salk Comes To London

London — An emergency shipment of American Salk polio vaccine arrived in London Saturday and apparently marked the end of a growing domestic political quarrel.

The three cartons of vaccine, produced by a Detroit firm, were immediately rushed to a British testing laboratory to be checked.

More shipments were to follow to relieve a shortage of anti-polio vaccine in the country.

Charges of "bungling incompetence" erupted against the health ministry when it was announced that supplies of domestically-produced polio vaccine were depleted with the polio season just beginning.

The government countered with a special order for emergency shipments of American vaccine.

Establishment of the U.S. marine corps was authorized by the Continental Congress in 1775.

## Win over members of Congress who have opposed us.

Selected this week by the U.S. Junior Chamber of Commerce as the nation's four outstanding farmers, the group met with Benson to discuss agricultural problems.

The winners of the contest, cosponsored by the American Petroleum Institute, are William Erwin, 32, Bourbon, Ind., Cyrille Faure, 35, Visalia, Calif., Thomas La Chance, 34, Somersville, Conn., and Felix O. Bullard, 35, Monticello, Fla.

Faure asked Benson if he had been discouraged by the opposition to his efforts to reduce government regulation of agriculture.

"I have never been discouraged in these last five years," Benson replied.

"There are many members of Congress we'll never change by sitting down and talking with them," he continued. But he said by "educating" the voters the support of such congressmen could be enlisted.

In response to another question, Benson conceded that there are "inequities" in the laws regulating agriculture. He said he has been working to remove them.

## \$30,000 Back Pay Ordered Restored

San Francisco — The State Belt railroad has been ordered to rehire a switchman who was fired 11 years ago with back pay estimated at between \$30,000 and \$60,000, believed the highest such award in history.

Asst. State Atty. Gen. Herbert Wenig said the award was made to James W. Brewster, now a San Francisco cab driver, last week by the National Railway Adjustment board in Chicago.

The defendant in the case — which may be appealed in the courts — was the State of California which operates the Port of San Francisco. The Belt Line is under the Port's jurisdiction and connects major railroads with the waterfront area.

## Huge Cargo Barge Built In Seattle

Seattle — The world's largest cargo barge was launched in Seattle Saturday at the Todd shipyard.

The barge, which is 299 feet long, 75 feet wide overall and has a hull 21 feet in depth, will join the large fleet of the Upper Columbia River Towing company and its associate companies.

Built at a cost of \$1,600,000 the huge barge is capable of carrying five million board feet of lumber and has a dry cargo space of 170 thousand cubic feet.

The first trip for the barge will be to haul petroleum from Seattle to the mouth of the Columbia river. It will continue to Coos Bay, Ore., and then to Los Angeles.

Company officials said it would be used chiefly in runs between Seattle and Alaska.

Los Angeles — Property taxes for public school districts throughout the county for the current fiscal year totaled \$329,280,483, accounting for almost half of the county's tax revenue, it was learned Saturday.

Magazine Mountain, at 2,785 feet, is the highest point in Arkansas.

## Wards portable TV—\$25 off!

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## New Perception In Movies This Week

By VERNON SCOTT  
U.P. Hollywood Writer  
Hollywood — First application of subliminal perception in movies was demonstrated this week, but the audience was so engrossed in looking for "subconscious" symbols it ignored the picture.

Using a process called Precin, drawings were superimposed on the film in rapid succession, faster than the conscious eye could see.

When the villain menaced the heroine snakes were flashed onto the screen. For love sequences a heart winked on. During frightening, suspenseful scenes of the mystery drama the words "blood" and "death" were used.

To scare the living jebbers out of the audience a skull was employed.

Gimmick Distracts  
For demonstration purposes at a press preview of "My World Dies Screaming" a 10-minute segment utilizing sub-

liminal techniques, was shown, followed by another showing with the symbols plainly in evidence.

During the initial screening viewers nudged one another, announcing they could spot the subconscious signals clearly.

**Does It Work?**  
Advance knowledge of the gimmick distracts attention from the picture. It also creates an added sensation of anticipation.

Whether it achieves its purpose — heightened emotional response to particular scenes — is still in question.

Viewers could not agree on their reactions. A better test would be a showing in which the audience was not aware of the experiment.

The second film—with the symbols visible — surprised viewers. They chalked this up to scratchy film.

Still in its infancy, subliminal perception is not expected to bail motion pictures

## Kaff Appointed UP Bureau Manager

Tokyo — The appointment of Albert E. Kaff as United Press bureau manager in Taipei, Formosa, was announced Saturday by Ernest Hoberecht, United Press vice president and general manager for Asia.

Los Angeles — Gov. Goodwin J. Knight said Saturday he feels the governorship provides excellent training for U.S. senatorship.

out of the doldrums. It is not spectacular enough. There also is doubt that the public favors having its collective subconscious mind massaged by a bunch of film producers.

Nevertheless, the process has been christened with a fancy name, "Psychorama," in the hope that potential moviegoers will believe the process holds startling innovations.

A mass audience survey will be made following release of the picture. If it fails to prove effective, audiences can relax and attend movies content in the knowledge that the subconscious is free of snakes and skulls.

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EARL MILLER owns and operates his own successful business in Medford. He was also a successful MAYOR OF MEDFORD; served on the City Council, Budget Committee and Planning Committee in Medford. He has long made a study of county problems.

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Paid Adv. Earl Miller for County Judge Committee, Collier Buffington, Chairman, Hillcrest Road, Medford.