

# Atomic Energy Expected To Solve Cancer Problem With Research

Washington — (U.P.) — Dr. Robert R. Newell of Stanford university expects atomic energy to "solve the cancer problem."

But he believes this conquest will come to pass through application of atomic radiation to research—not through its use as a cancer treatment.

Newell is professor of biophysics and director of the radiobiology department at Stanford university hospital. His views on radiation vs. cancer are reported in the current issue of "Research Reviews" published by the Office of Naval Research.

emitting materials now produced in quantity by the atomic energy commission—are widely used in treatment of cancer. Newell does not believe, however, that they are potential cancer cures.

**Sky's the Limit**  
But in basic research with such tools, he says, "I really think that for the future the sky is the limit."

Ne well discussed use of radiation in medical treatment and diagnosis and in biological research. He said the attack on cancer seems to produce cycles

of alternate hope and disappointment.

"I expect," he said, "to see more of these disappointments before we adapt ourselves to what I think is the truth, namely that radiation per se is not the solution of the cancer problem."

"I do in fact expect to see isotopes solve the cancer problem. But they are going to solve it through fundamental studies in chemistry and physiology."

"When we really know what cancer is then we shall be in a position to do something effective about it."

Newell said radiation in some cases has eased patients and even helped to control or prevent cancer.

**Potentful Tools**  
Since radioactive materials became plentiful, they have been ingeniously adapted in a number of ways to therapy. There are cobalt-60 needles, much cheaper than radium.

Radioactive gold wire has been locked in small tubes of ordinary gold which can be inserted into the body. "Hot" gold or cobalt can be put in hollow nylon thread and sewn into and around tissue to be treated.

Radioactive gold and other elements suspended in liquids can be induced to flow into tiny areas not otherwise reachable. Radio-iodine and radio-phosphorus have similar uses.

Boron injected into a brain tumor can be made radioactive by placing the patient in the neutron beam from an atomic reactor.

In diagnosis and research radioactivity "tagged atoms" are being used to examine the blood, study circulation, measure the body's use of various vital minerals, test various organs such as the liver, and observe the action of drugs.

Newell said "there seems to be no limit to the number of possible investigations" that can be carried out with radioactive atoms. "The sky is the limit."

## Government Seeks Answer To Lack Of Horse Meat

Washington — (U.P.) — The automobile replaced the horse, so now the government is trying to find something to replace horse meat.

Hardest hit by the dwindling supply of horse meat are the nation's 5,000 mink farmers, one-third of whom are in Wisconsin. Most of the rest are in Minnesota, Michigan, New York, Colorado, Washington and Oregon, with a few in California and Illinois.

Horse meat is highly regarded mink feed, but it keeps getting scarcer and scarcer and much more expensive.

The government now has a project underway to find out if plain, common, rough fish—generally not desirable for human consumption—can fill the void caused by the scarcity of horse meat.

Whale meat and chicken entrails are used to some extent by mink ranchers, but neither has become very popular. The need for help brought the U. S. Fish and Wildlife Marketing Service into action.

**Two-way Benefit**  
D. Y. Aska, chief of the service, said tests are underway on Midwest mink farms to see if rough fish provide the answer. He pointed out that there are plenty of rough fish easily available in the Midwest.

Lake Erie fishermen have to throw back as much as 90 per cent of their catch, Aska said. The throw-back are carp, burbot (a type of fresh water cod) and sheephead—all less desirable eating fish. The same condition exists in some other Great Lakes waters.

If these rough fish can be used for mink feed, he said, it not only will solve the mink farmer's feeding problems but also be a boon to the fresh water fishing industry.

Processing of rough fish for cat food already has mushroomed into an important industry. In 1947 35,000,000 pounds of fish were packed for this purpose. It was 140,000,000 pounds in 1954 and the dollar value jumped from \$4,000,000 in 1947 to \$19,000,000 in 1954.

## Safety Shoe Saves Man's Foot in Mishap

Milwaukee, —(U.P.)— An 18,000-pound casting dropped squarely on Earl Mesich's foot recently with little more than a dent, considering.

Mesich, a hitcher at the Kearney-Trecker manufacturing plant, suffered two broken toes, but he said there was no question he would have lost all five had it not been for his safety shoe.

The steel-tipped shoe was badly damaged and the metal plate was dented and split. But what less could anyone expect from an 18,000-pound blow?



STEPPING OUT with new romantic interest, Charles Mapes, Reno hotelman, Bobo Rocketteller visits Hollywood night spots and begins rumors of budding romance. (International)

## A Nichol's Worth of . . . Comment On This and That

By HARMAN W. NICHOLS  
United Press Feature Writer

Washington — (U.P.) — What's new in Washington: Sen. Alben W. Barkley is 77.

but he's still an active work horse. The former Veep is a member of the Finance committee, the Foreign Relations committee and sits patiently through almost every senate session.

He was asked the other day if he would campaign actively for the Democratic candidate for president. Said the salty old Kentuckian: "According to how I feel. Right now I feel right chipper."

Secretary of Agriculture Ezra T. Benson likes to tell about the letter a 14-year-old girl wrote to President Eisenhower about the farm problem. The youngster said:

"I do not know much about political matters, but it seems to me it is no more sin for the GOP to slaughter pigs than for the Democrats to slaughter pigs. If there is so much extra pork, why couldn't you just ask the farmers to separate the papa pigs from the mama pigs?"

Pvt. George E. Bisson, Syracuse, N.Y., likes German police. When he got over there he bumped into Ursula Libaba, who was an exchange student when

both were attending a university in Kentucky. He agreed to call on her.

When Bisson arrived he found the house dark and looked in the window. The German cops closed in.

The door opened. There was Ursula on the arm of her uncle, who happened to be the district commissioner of police and mayor of the town as well. The private got a police escort right through the door.

The American Automobile association likes to get letters like the one it received from Florida. "Do you treat all of your members as well as you did me?" it asked. "Your routing of my trip led straight to the altar. Please have my new driver's license made out in the name of Mrs. James Donnelly."

The National Geographic society wants us to know that New Zealand's Kiwi bird is flightless, tailless and wears whiskers in front of its eyes. But the society defends the bird as something unique.

"For its size," the Geographic folks say, "it lays the largest egg known. A four-pound bird, if she has her mind on her work, can lay a one pound egg."

Having hurdled the sound barrier, airplane designers now face a thermal barrier. Even in the thin atmosphere of 30,000 feet, air resistance would heat plane surfaces to 300 degrees Fahrenheit at twice the speed of sound.

## Iceland OK'd Plane Attack on Whales

Reykjavik, Iceland — (U.P.) — U.S. Air Force planes were allowed to strafe and bomb packs of "killer" whales menacing its coasts, Iceland said Tuesday, but no aerial whale hunts have been conducted since last October.

The World Federation for the Prevention of Cruelty to Animals protested to Reykjavik and Iceland Tuesday against the "unnecessary slaughter" of whales by U.S. airmen "recently."

An Icelandic government source said all the whales attacked were of the "killer" variety which cause havoc in the fishing industry if left unchecked.

## GOC AIDS FIREMEN

Waunakee, Wis. — (U.P.) — The Madison, Wis., Ground Observer Corps took time out from scanning the sky to spot a ground fire Tuesday. They spotted a house on the Orville Cox farm burning and notified authorities but the building burned down before firemen arrived.

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## On The Side

By E. V. Durling

(Distributed by King Features Syndicate, Inc.)

Each other's joy each to impart, Each other's grief to share, To look into each other's heart And find all solace there. To lay the head upon one breast, To press one answering hand, To feel through all the soul's unrest One soul to understand. —Romanes

You seldom see a red-haired secretary. One of the reasons for this is that red-haired women are notoriously poor spellers. When spelling contests between women have been held, the result is always the same. Brunettes first, blondes second, redheads last. Another reason why red-haired secretaries are rare is because the wives of executives don't like their husbands to have flaming tressed girl Fridays. They fear a beautiful redhead is too great a temptation for an impressionable man to have around his office all day.

**Asking**  
Queries from clients . . . Q. I claim Ted Lewis originated the idea of using a saxophone in a dance band. Right? A. I believe you are in error, sir. I think it was Art Hickman of San Francisco . . . Q. Where in Ireland was the father of Gene Tunney, champion boxer, born? A. Gene's father and mother were born in Kiltimagh, County Mayo, Ireland . . . Q. What is Imogene Coca's real name? A. The name Imogene used professionally is her real name. She is the daughter of Joe Coca, Philadelphia orchestra leader.

**Passing By**  
Janet Gaynor. Petite red-haired Philadelphia who was the first actress to receive the Film Academy award or "Oscar" for the best performance of the year.

That was 28 years ago. The picture was "Seventh Heaven." Xavier Cugat, dance band maestro. He claims he is the only man in the United States named Cugat. But he won't bet a stogie on it. However, I have never met another man named Cugat. How about you?

**Bartenders**  
How about the bartender at your neighborhood pub? Do you consider him well qualified for his occupation? The chief qualifications of a good bartender are: 1—Complete knowledge of his trade and a sincere interest in it. 2—Patience. 3—A genial disposition and a neat appearance. 4—A strong memory for names and faces to aid in recalling the favorite drinks of patrons. 5—A talent for listening.

**Sidelights**  
Green, gray-eyed blondes rarely elope. They are too clever for that. They figure the girl who elopes: doesn't get as many wedding presents as one who is married in a church . . . In Hollywood the ideal feminine figure is considered to be "bust, 38; waist, 23 and hips, 34." . . . Iceland has been a nation for 1,000 years and has never had a war.

**Asides**  
Sportscribe refers to mountain trout and salmon as "intelligent fish." That's ridiculous. Both types of fish named are slightly dumb. The only fish having anything resembling intelligence is the carp . . . Am asked the difference between a "plump" woman and a "fat" woman. A plump person is one from 10 to 15 pounds overweight. A fat person is one more than 30 pounds overweight.

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