

World Can Live With Atomic Radiation in Peace But Not in War, Physicist Declares

Washington—(AP)—Dr. Lauriston S. Taylor said today that atomic radiation is something "we can live with in peace but not in war."

Taylor is chief of the Atomic Radiation Physics Division of the National Bureau of Standards. He is one of the nation's foremost authorities on the effects of radiation upon life.

The United Press asked his opinion of Lt. Gen. James M. Gavin's recent testimony in Congress that an atomic attack "in force" on Russia would kill "hundreds of millions of persons" in Eurasia, depending on wind directions.

Taylor's belief is that Gavin, head of Army research and development, understated the case. He said that an all-out nuclear attack whatever country it was aimed at, would jeopardize human life all over the planet.

No Present Menace

But he made, and then emphasized, this point: Radiation from

whatever source—natural background, medical x-rays, atomic weapons tests—is not now a menace to mankind.

All that the experts, including those who made the recent National Academy of Sciences report, want to do, Taylor said, is alert mankind to the dangers of possible future great increases in the radiation level.

Given peace, Taylor said, man now has all the knowledge he needs to protect himself against all foreseeable boosts in the amount of radioactivity stemming from exploitation of the atom.

But if full scale nuclear war breaks out, the result can be only "catastrophe," Taylor said.

Gavin's testimony was given in general terms. He did not define his terms. He did not say how many H-bombs it would take to cause the millions of deaths he predicted. Nor did he mention time.

In saying Gavin's warning

was conservative, Taylor emphasized that many of the disastrous effects of atomic war would become manifest over a period of generations.

Delayed Effects

Nuclear weapons inflict death in many different ways. There are the immediate effects of blast, heat, and earth shock. There are the delayed effects of radioactive fallout which get in their deadly work in days, weeks, months, or years. There also are the genetic effects which show up in subsequent generations.

Gavin's figures obviously assume maximum fallout because that is the effect of big atomic

explosions that covers the greatest area. To kill all the people Gavin mentioned with blast, heat, and radioactive fallout would require thousands of explosions.

But Taylor assumes the atomic powers have enough weapons to bring about this grim fate if they are insane enough to do so. He pointed out a fact, generally not stressed in reports of Gavin's testimony. This fact is that Gavin was trying to express the utter absurdity of all-out nuclear war.

A bomb detonated by the United States on March 1, 1954, so poisoned a region of 7000 square miles that all unprotected persons staying in that area for 36

hours would have received fatal doses of radiation.

Something over 1000 such bombs might similarly poison a continental nation like Russia. But the lethal effects would not be confined to Russia and her neighbor countries. According to Taylor, they would spread throughout the northern hemisphere and probably the world.

Genetic Catastrophe

Take radiostromium, a radioactive product of atomic fission that lasts in death-dealing form for an average of 40 years. It gets in the bones of animals. Enough of it—and an all-out war would provide enough of it—would cause fatal bone tumors.

Radiation changes hereditary mechanisms, almost always for the worse. The result is defective lives in the future and, when such lives are too unfit for reproduction, "genetic death." Although present radiation levels are no menace to the race, and future peacetime levels can be safely handled, a nuclear war would be "a genetic catastrophe," Taylor said.

In that sense, he believes Gavin's figures were conservative. Having said that, Taylor came back to his main point: That peacetime uses of radiation—everything from X-rays to nuclear power—can do more good than harm if handled right. As he put

it: "We can live safely with atomic radiation in peace; in war we can't."

worth CHIR-R-PING about it really GOES FARTHER, TOO!

On The Side

By E. V. Durling

(Distributed by King Features Syndicate, Inc.)

Is there an earth a space on dear, As that within the blessed sphere Two loving arms entwine?

—Thomas Moore

Why has the name Carrie never been popular with song writers? I can bring to mind only three songs about girls so named: "Good Morning, Carrie," "Every Time I Kiss Carrie" and "We Had To Carry Carrie To The Shore Because Carrie Couldn't Carry Anymore."

There have been some beautiful songs written about young women named Caroline. Of these my favorite is "Can't You Hear Me Callin', Caroline?" A fine recording of that one would probably sell at least a million copies.

Asking

Queries from Clients. Q. What was the name of the New York dentist who made an upper and lower set of false teeth for George Washington? A. John Greenwood. Washington's denture was made from walrus and hippopotamus teeth. History does not tell us if the general suffered much from a slipping denture or how efficient the equipment was when it came to consuming a steak. I believe the denture being discussed can be seen on exhibition at the Smithsonian Institution, Washington, D. C. Q. Of what woman was it first said that she had "the fatal gift of beauty"? A. The reference was not to a woman but to a country, namely Italy. It was made by Vincenza Da Filicaja who wrote, "Italy! Italy! Thou who art doomed to wear the fatal gift of beauty."

Great Horse

Eddie Arcaro, who has won more stake races than any living American jockey, says he has ridden many "good horses" but only one "great horse." And that was Citation. Very interesting. What does that make the gallant thoroughbred Noor who defeated Citation four times?

Passing By

Vincent Lopez. If he isn't the dean of Broadway bandmasters who is? Did you know he began his professional musical career in Brooklyn? At Villegogue's Restaurant in Sheepshead Bay? That he was once the pianist for the great vaudeville team of Pat Rooney and Marion Bent? That he made his Broadway bow as a bandleader at the place called the Pekin at 49th st.? That he was the first bandleader to play a rumba tune in this country? That was the lively number called "The Peanut Vendor." So you knew all that. Well, then I suppose you also know Mr. Lopez is one of the country's leading amateur astrologers.

So They Say

The most romantic females of the Zodiac are those born under Aries (March 21-April 20). They are in love with love. Never really happy unless in the midst of a romantic interlude. They make very interesting companions on moonlight strolls. When married they want the honeymoon to continue indefinitely. If the spouse of an Aries girl doesn't tell her he loves her at least six times a day with accompanying hugs and kisses and holds hands with her under

restaurant tables and at the movies she begins to consult time tables and fare prices to Reno. Men born under Leo (July 24-Aug. 23) and Sagittarius (Nov. 23-Dec. 21) are best able to handle the difficult task of keeping an Aries woman contented. Or, so say the stargazers.

Horses and Women

Today I viewed with alarm a news picture of a new style of headgear which is predicted will be popular among our countrywomen. It is a tall hat. A greater threat to a spectator's view at a sporting event than a merry widow hat. I am immediately launching a campaign against the wearing of this style hat at race courses, baseball games, etc. This battle will be listed as Bitter Campaign No. 987654A. I will not be content with the race track and ball park managements merely requesting that "ladies will please remove their tall hats." I will demand that it be plainly stated, "the wearing of tall hats by women patrons will not be permitted."

June Weather Here Rated Cool, Dry

June weather in Rogue valley was cool and dry, according to weather bureau figures here. The monthly average temperature last month was 61.3 degrees, 3.1 degrees below normal, and precipitation in June totaled .80 inch, .17 below normal.

Temperatures ranged from a high of 95 degrees on June 27 to a low of 39 on June 11. Three days had temperatures of 90 or above, compared to an average of six days for June.

There were 15 clear days, six partly cloudy days, and nine cloudy days, compared to averages of 13 clear, eight partly cloudy and nine cloudy.

The outlook for July, according to the regional forecast for the Pacific northwest, is for temperatures averaging below seasonal normals and precipitation expected to exceed normals.

Salem—(AP)—John H. Carkin has been elected chairman of the Marion county Republican Central Committee.

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