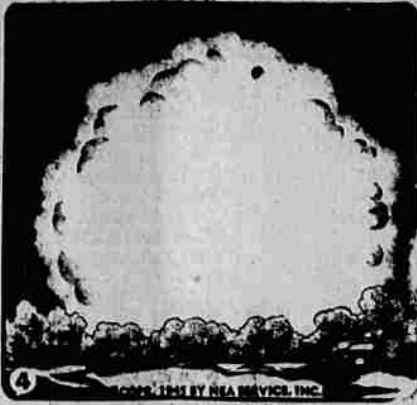


THE STORY OF THE ATOM



(1) Versatile, horseback riding, Dr. J. Robert Oppenheimer, on leave from the University of California, planned, organized, and directed the special laboratory of the atomic bomb near Santa Fe, N. M. Manned by 7000 workers, it was established to find a way to put the components of the bomb together into a new weapon to end the war. The development of the bomb was to a great extent due to his leadership, genius, and inspiration.

(2) There was ample supply of uranium bearing ore for large numbers of atomic bombs. During the war just ended, the United Nations possessed two-thirds of the world radium supply and three-fourths of the supply of uranium. They also controlled 85 percent of the known ore reserves. There were large stockpiles at Port Hope, Ontario, with mines at Great Bear Lake in Canada, in western Colorado and eastern Utah.

(3) Mountains of raw materials moved into the big plants at Oak Ridge, Tenn., and Richmond, Wash.—ore, steel, machinery, tools, in mysterious crates and boxes, by truck and freight cars—but nothing seemed to move out. Each worker or group of workers had his own mechanical operation to perform, all the while unaware of the significance of the government's vast undertaking. Turning dials and switches, they directed reactions that took place behind guarded barriers and walls.

(4) Among the people in the countryside around the plants, there was talk that the government was preparing a strange weapon to use against the enemy, perhaps a new and secret type of rocket to fire at Japan. Then about the middle of July a story trickled out of New Mexico of a great roar and a brilliant flash of light during the darkness of the night that seemed like the sun suddenly rising to high noon and then quickly setting.

Tomorrow: First test of an atomic bomb.

What Can Be Defense Against Atomic Bomb? Scientists Ask

By ROBERT L. FREY
NEW YORK, Sept. 20 (UP)—One of the basic principles of warfare has been that a defense always could be found against every new weapon. Can we find a defense against the atomic bomb?

If the suggestion of Morris Berman, New York civil engineer, were adopted, the wall of the air raid siren would be the signal for the skyscrapers of our big cities to be lowered into the earth.

Too Fast
Berman is dead serious and has constructed a model showing how the Empire State building could be mounted on a giant elevator which would lower it into a shaft 1,000 feet a minute, leaving only its tower exposed.

However, military theorists fear next time there may be no opportunity to sound an alarm. This development, as a matter of fact, was achieved by the German V-2 rocket which travelled

faster than sound. Next logical development would be such a missile, armed with an atomic bomb, powered by atomic energy and steered to its target by radar. A rocket-propelled bomb capable of spanning oceans and of striking within a mile of its target is "well within the ability of science."

Fixed Hour
Fifth columnists, it has been suggested, may find a deadly weapon in the atomic bomb. Agents of an aggressor nation could carry the relatively small device to another country and plant them. Old-fashioned guarding of docks, power plants, railway terminals, etc., would be useless. One atomic bomb inside the city limits would suffice.

The bombs could be timed to go off on a certain day at a fixed hour. The aggressor could then serve a quick ultimatum. There would be little choice.

Share Secret
For the present the United

States, Britain and Canada share the secret of the atomic bomb. Its raw materials, pitchblende from which uranium is refined, is found in limited quantities on three continents. There are deposits in the Belgian Congo, in Czechoslovakia and in Canada. Another ore from which uranium can be taken, called carnotite, is found in Utah and Colorado.

It is very likely that other sources of atomic energy will be found. Physicists say the energy of the atom binds all matter together and it should be possible, ultimately, to upon any substance for this elemental source of power.

This would mean small nations as well as big may have ample resources.

Portland Police Hit Gangster Film

PORTLAND, Sept. 20 (UP)—Portland police association local 456, AFL, stood on record today as "unalterably opposed" to screening of gangster films such as "Dillinger" which "tended to glorify cruelty, inhumanity and ruthlessness."

In a resolution to Mayor Earl Riley, union secretary John L. Hartley declared the organization condemned the Hollywood films depicting the lives of notorious criminals because they were "detrimental to the morals of American youth."

Johnston New Boss of Movie Industry

NEW YORK, Sept. 20 (UP)—Eric Johnston of Spokane today took over presidency of the Motion Picture Producers and Distributors of America, Inc., better known as the Hays office, with an aim to making American motion pictures "an even better reflection of the American design for living."

Johnston, who replaced Will H. Hays when the latter resigned after 23 years of service, said in a statement released here that he had been attracted to motion picture work because "it offers unlimited opportunities to work for peace and prosperity at home and abroad."

Calendar of Coming Events

Thursday, Sept. 20—Hope chapter OES Rehearsals, 7:30 p. m.

Tax Valuation in State Shown on Commission Chart

By ELDON BARRETT
SALEM, Sept. 20 (UP)—There are 78,769 horses and mules in the state of Oregon valued at \$1,913,590, average of \$24.29 a head.

That bit of information is contained in one of three charts compiled by the state tax commission.

For instance if a person wants to know how many pigs are rooted in Yamhill county, all he has to do is look under the column titled "swine" and count down through 35 counties to No. 36. There it shows the pig population of Yamhill is 5,625. Value of those Yamhill pigs is set at \$28,250, an average of \$5.02 each, which is way under ceiling price.

True Values

The chart shows there are 4,735,500.94 acres of tillable lands in Oregon, with an average value of \$34.44 an acre. Average worth of this state's 16,987,237.33 acres of non tillable land is set at \$3.76.

In the public service property chart, it is revealed the total cash value of Oregon public service companies is \$360,349,938.94. The apportioned value set by the tax commission is \$194,288,100.87.

Steam railroads, Union stations and depot companies have the greatest wealth with a cash value set at \$170,583,660.50. Electrical companies are second with a cash value of \$122,801,219.

Small Value

Express companies have the smallest value with \$213,567.20. Total value of real and personal property in the 36 counties is figured at \$893,877,232. However, after veterans' and widows' exemptions are taken out the total taxable property is figured at \$890,270,071.

The total taxable added to the apportioned value of the public service companies gives a grand total of \$1,084,558,171.87 on which the state may collect taxes.

Apprenticeship Council Meets At High School

Loren Andrews, director of the state apprenticeship council, and Harold Shogren, assistant state supervisor of trades and industries, lead the discussion at a special meeting last night of the La Grande apprenticeship council.

Andrews explained the duties of the council and in connection with returning war veterans in regard to apprenticeship training. La Grande council has been active for a number of years, and has been the only council in eastern Oregon. All apprenticeship agreements and vocational trade memorandums in Union and Walla Walla counties are under the jurisdiction of the La Grande council, as well as any others referred to the council from Eastern Oregon.

Membership on the apprenticeship council formerly has been for an indefinite period. To comply with the new state ruling, the term of office of members of the council last night was arranged as follows: Chauncey Walker, representing employers, one year; Jack Pearce, representing employers, two years; Frank Dunn, representing employees, two years; Kermit McCully, representing employees, one year; Fred Patton, chairman, one year; and Rob Walk, secretary, two years.

Guests present were Loren Andrews and Harold Shogren, state advisors; Fletcher Milton and Bill Corey, of the U. S. employment service; and Ralph Jones, high school principal. Next regular meeting of the council will be held Oct. 15.

Baby Left in Box At Home of Couple Seeking for Child

SEATTLE, Sept. 20 (UP)—Mrs. Fred Kuhn of Renton, Wash., found the answer to her prayers last night when she returned home and discovered a tiny baby tucked safely in a woodbox on her back porch.

The wife of a driver at a local car and foundry company, who said she could never have a child of her own, had made several adoption offers.

The infant girl was dressed in a diaper, nightie and pink sweater and carefully wrapped with a blue blanket. Attached to the blanket was a note giving the baby's date of birth and formula.

"I read your story in a local paper," the note read, "and I know you will see the baby has a good home."

"We don't know anything about her," Mrs. Kuhn said, "but that doesn't make any difference to us. My husband says he'd rather have this little unwanted baby than any other."

Williams Family in Dallas Now Knows Williams, The Dalles

DALLAS, Sept. 20 (UP)—The Williams family in Dallas now knows the Williams family in The Dalles, but it took a mixup on a London telephone call to bring them together.

Ray Williams of route 1, Dalles, was notified his brother, Cpl. Jerry Williams, was calling by long distance from London, so he rushed into Dallas to complete the call.

Both Ray and Jerry were confused when neither knew the other. Then the mystery unfolded to reveal Jerry Williams in England was calling his brother, Ray, in The Dalles, and the call was rerouted to the other Oregon city.

Bees never have learned to and great numbers are killed in avoid hazards erected by man, collisions with telephone wires.

Good coffee means a lot

Schilling
VACUUM PACKED COFFEE

Good News

With victory and peace, the good things of life are coming back again—among them Blue Bell potato chips, fresh and crisp as always. Within 90 days there should be plenty for everyone—no more shortages—no more rationing—all the famous and delicious Blue Bell chips you want—when you want them. Until then, bear with your grocer if he is temporarily low in stock.

BLUE BELL
POTATO CHIPS

they're Sabinized

TODAY'S ECHOES . . . By Groves

JOE'S CLAIM

"Every time I ask him what he came up here for, he says he's already struck it rich!"

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"My pearl," said the oyster, "is the only precious stone I produce." And coffee is the only product of Hills Bros. Coffee, Inc. Every effort is devoted to buying, blending, roasting, and packing the finest coffees obtainable. The result? Every pound of Hills Bros. Coffee has flavor that makes you say, "Now that's what I call good coffee!"

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IS CHEVRON SUPREME AN AVIATION GASOLINE?

Chevron Supreme comes straight from the skies. It's a highway version of Chevron Aviation Gasoline. But—and this is very important—it's tailored to fit the special requirements of your car's engine. That's why gasoline straight from the tanks of a fighter plane wouldn't give your car any better performance than you get from Chevron Supreme.

New catalysts were developed during the war to manufacture blending agents that would boost Chevron Aviation Gasoline's octane rating. They now give Chevron Supreme an octane rating more than ample for any car on the road today. Some aviation gasolines have a higher octane number, but this surplus octane value would be wasted in an automobile engine not built for it.

You can't buy better gasoline for your car — at any price

CHEVRON
SUPREME GASOLINE
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So, there's reserve power—skyway power—in Chevron Supreme, but that's not all. Because it's tailored to automobiles, it spins cold engines into instant action, whisks you away from stoplights, floats you over the loftiest hills. And, after all, that's what you want most in a gasoline.

Standard's National Credit Cards are useful! Good throughout the United States and Canada. Apply at any Standard of California office, Standard Station or Dealer, Authorized Distributor or at any Chevron Gas Station. We'll do our best to issue your Card promptly.

AT STANDARD STATIONS, GARAGES, OR CHEVRON GAS STATIONS