

# If H-Bomb Succeeds, Path Open For Lithium, Boron Bombs, etc.

## FBI Chief to Tell Solons Story of British A-Spy

WASHINGTON, Feb. 4-(AP)—Grave-faced lawmakers anxious to plug any further leaks in atomic security today called J. Edgar Hoover to testify Monday after hearing first-hand that a trusted British scientist—now an atomic spy suspect—was free to obtain "most vital weapons information."



J. EDGAR HOOVER  
Summoned by Solons

The senate-house atomic committee asked the top G-man to testify in closed session as it sought to learn from Lt. Gen. Leslie R. Groves the size of the hole in America's atomic treasure chest.

Chairman McMahon (D-Conn) related to reporters that Groves, wartime head of the atomic project, had told the congress members that Scientist Klaus Fuchs had "access to a wide area of the most vital weapons information."

Groves indicated this included data on the proposed hydrogen bomb. Hoover already has told a senate appropriations group, according to senators, that Fuchs became a paid Moscow agent in 1939. He was filtered into the English atomic setup after the war broke out. The physicist then worked his way up to become a member of the British atomic mission to this country.

Fuchs was also present even at the assembly of an atomic bomb, according to this account.

## Scientists Ask Restriction on Use of H-Bomb

NEW YORK, Feb. 4-(AP)—Twelve top American scientists called today for a solemn promise that the United States never will use the hydrogen bomb unless it is first employed against us or our allies.

The scientists, mostly A-bomb men, said this country should develop the bomb for one reason only—to prevent its being used. They sounded two warnings: 1—Russia probably will have the H-bomb in less than four years.

2—The bomb—ours or the Russians—will be much more powerful than most estimates have indicated. A single H-bomb could wipe out New York or any other great city.

## Paul Revere Fails to Ride

HENNIKER, N.H., Feb. 4-(AP)—Dobbin said "Nay," so Paul Revere did not ride today.

## Bathless Saturday In Rainier Due to Low Water Supply

RAINIER, Feb. 4-(AP)—Mayor L. E. Odle of Rainier appealed today for a bathless Saturday because of the city's water shortage.

## Phone Strike Threats Doubling Up in Oregon; CIO Workers to Vote Soon

Five thousand Oregon CIO telephone girls, including those in the Salem area, will take a strike vote this week, but another strike, set for Wednesday, may cripple the state's major telephone exchanges before the balloting is completed.

By Howard W. Blakeslee  
Associated Press Science Editor  
NEW YORK, Feb. 4-(AP)—The hydrogen bomb within a year, and what next? Will there be more, how soon, how much worse?

What can we expect, and what will be the limit? If the hydrogen bomb succeeds, the answer is there will be more. Because the hydrogen bomb taps a source that was supposed to exist only in the stars.

Once open that door, and the possibilities are endless. How fast will they come? The hydrogen bomb is arriving ahead of the schedule which cautious scientists set in their testimony before the U.S. senate four years ago.

Scientists Caution  
Five to ten years, they said, without specifying what bomb. Can they be worse? The H-bomb is said to be, at worst, a thousand times more powerful than the A-bomb. But few competent scientists said there was a possibility of bombs thousands of times more powerful.

They said this was remote. But now that one seems about to come true, there is new weight in their speculations. Ahead are the lithium bomb, the boron bomb and the annihilation bomb—to name only those which are in the published records. All these belong to the light-weight chemical elements, in which scientists expect to find most of their early bombs.

You can add carbon bombs and nitrogen bombs, and maybe beryllium, to amplify the light-weight possibilities. Match Gives Answer  
Why can these things be considered possible? The phosphor match, the kind you strike on your shoe, gives the answer. Coal and wood must be heated to hundreds of degrees before they will burn.

The match ignites with the heat of friction, and then can communicate the heat to start the fire. In the world of nuclear bombs, all except two must be preheated like wood and coal. They must be heated to millions of degrees, with tons of pressure. The two exceptions are uranium and the hydrogen bomb. These are set off by cool neutrons—no great heat required.

These two are the phosphor matches, which science fears can set off the others. These two furnish the millions of degrees heat and pressures. The question is do the atomic "matches" blaze long enough.

What is the limit? The annihilation bomb. Annihilation means that the entire mass of atoms disappears completely, changes into energy, with nothing left over. That is the reaction in which energy produced from a substance no bigger than a single pea could drive the Queen Elizabeth across the Atlantic.

Occurs in Stars  
It is calculated that this reaction occurs in the hot centers of stars. A few scientists think they have seen it in laboratories, but they aren't sure. The annihilation bomb will give one thousand times more energy per pound than the present A-bomb. By the year 1900 here is over-leaping nature which sets off A-bombs while they are cool, also set a limit on how much can be exploded. There is no known limit on annihilation. Such a bomb could go to thousands or millions more.

It is reasonable to suppose that annihilation will not be achieved on earth. But it is no longer safe to comfort yourself with dreams that men won't make the bigger bombs.

## Fire Destroys Rickreall Car

DALLAS, Feb. 4—An automobile owned by Larry Fitzwater, Rickreall, was completely destroyed by fire early Saturday while parked at his residence. Cause of the blaze was unknown.

## Snow Slide Flattens Janitor at Detroit School

STAMEN, Feb. 4—John Wiggins, Detroit grade school janitor, is recovering from leg injuries suffered when he was knocked down by a snow slide from the school roof Thursday.

## Lookout Tower Falls, Victim of Cold Weather

MOLALLA, Feb. 4-(AP)—The Goat mountain fire lookout tower 17 miles east of here has fallen victim to the cold winter.

## Phone Strike Threats Doubling Up in Oregon; CIO Workers to Vote Soon

The strike scheduled for Wednesday may tie up telephones in Oregon, even though most workers do not walk out at that time. Installers and sales workers in the state—members of a different union—will strike at 6 a. m. Wednesday, and have announced they plan to picket major exchanges (including Salem) and try to jam the dial system.

## Thaw Leaves Sea of Slush in Valley

### Ice Coated Duck 'Thawed Out' by Salem Resident

The plight of thousands of Willamette valley wildfowl was pointed up here Saturday morning by an ice-coated wild duck found on Claude street in a residential area by N. D. Lindsey.

Lindsey saw the starved, bedraggled bird, unable to fly, lying across the street from his residence at 2365 Claude st. He said as he approached it the duck came at him with mouth open. Its wings were evidently frozen from Friday night's ice storm.

He took the bird into his home and thawed it out and fed it. Lindsey has it in a bird cage and intends to turn it loose as soon as the weather outside becomes fit for ducks.

### Storm Sewers Clogged

The warm front which brought grief to the entire northwest in the form of freezing rain Friday night and Saturday morning, knuckled down to some honest-to-goodness thawing early Saturday and the area's coating of ice and snow was rapidly being slushed off.

Mercury in Salem reached a high of 45 degrees Saturday afternoon, breaking a long succession of below freezing and often below zero days. The warm-up, however, turned the entire mid-Willamette area into a virtual sea of slush by Saturday night.

Freezing rain which had coated everything with a half inch of ice by dawn Saturday, turned to just rain when the temperature climbed above the 32 mark before noon. Continued thawing was forecast for today.

Patrol Keeps on Duty  
The thaw added new duties to the weather-harried city engineer crews. Slush clogged catch basins and kept several men busy throughout the day keeping them clear. A patrol is to be on duty throughout the week end to keep an eye on possible surface flooding from the melting snow.

Salem power and telephone companies had apparently weathered the short-lived silver thaw without much damage. Dallas, however, was without power for a half hour at noon Saturday when ice-weighted lines shorted, breaking two high voltage circuits at the main substation. In Salem a transformer went out on Filmore street but was immediately repaired.

Cold Spell Over  
For most of the northwest the bitter month-plus cold spell was over. Only valleys in eastern Oregon and eastern Washington may stay below freezing today.

A "state of emergency" was ordered Saturday in Aberdeen, Wash., after two municipal reservoirs went completely dry. Breaks in the city's ice-clogged water mains brought on the crisis. Persons leaving faucets open to prevent freezing were subject to arrest. (Aberdeen story details on page 2.)

Traffic began to move again out of Portland after Friday night's blizzard had marooned many automobiles, slowed rail traffic and erased airlines schedules. (Blizzard details on page 2.) Flights to and from Portland were all cancelled Saturday, but were expected to be resumed today. One United Airlines flight terminated at Salem's McNary field. All others were cancelled at point of origination or were flying on to Seattle.

### Head-On Crash Sends Two to Local Hospital

A head-on collision, blamed to Saturday morning's icy highways, sent two valley residents to Salem General hospital.

The injured were Mrs. Alta Mead, 57, Hubbard, fractured right arm, fractured kneecap and chest injuries; and Ruth Betts, Lebanon, bump on head. The Lebanon woman was released after treatment.

Ernest Mead, Hubbard, driver of a southbound Chrysler coupe, told state police his car went out of control on the icy pavement about a mile north of the underpass in north Salem. The car skidded into the path of an auto driven by Robert Joseph Moersch, Lebanon.

Both cars were extensively damaged in the crash which occurred at 9:30 a.m.

### Watson Faces Prosecution in California

Marion Watson, Oregon state hospital escapee captured recently in Stockton, Calif., will not be returned to Oregon but will be prosecuted in California.

California authorities indicated that Watson will be committed to a California hospital for the criminally insane, Marion County Sheriff Denver Young said Saturday. Oregon has released its hold on Watson, who is a California resident, said Sheriff Young.

Watson, who with three other convicts escaped from the criminal insane ward at the state hospital here last December 2, was captured in Stockton, Calif., January 30. All four of the convicts have now been captured. Originally Watson was committed to Oregon state hospital Oct. 19, 1948, from Oregon City on a robbery count.

### Jewelry Store Mistaken for Vacant Lot

FAIRBANKS, Alaska, Feb. 4-(AP)—Troy Mayo pushed his way along through ice and fog at 4 o'clock this morning. The weight of the four foot log on his shoulder was getting increasingly heavy.

So he tossed it to one side of the walk. The sound of shattering glass clattered back at him. He fled. Later the 25-year-old laborer gave himself up to police, who said the owner of a jewelry store took a dim view of the addition to his windowless gem store. Mayo offered in explanation: "I thought it was a vacant lot."

### Thieves Strip Liquor Store

TROUTDALE, Feb. 4-(AP)—The state liquor store was nearly emptied of liquor by thieves last night. The robbery was discovered this morning. The store's shelves were nearly bare.

### Cases in 3 Cities All in Day's Work For Judge Kimmell

Old-time circuit-riding judges had nothing on Marion County Circuit Judge Rex Kimmell, who recently established something of a record in speedy legal circling. Judge Kimmell, who ordinarily doesn't go in for jet-propelled justice, managed to clear three cases in three different counties in one day last week.

First of all he completed a three-day civil suit in Marion county circuit court Friday morning. At noon he left for McMinnville, where he heard a contempt proceedings. Four o'clock found the rambling justice in Oregon City wrapping up a criminal case.

### Weather Blamed for Decrease in Activity at Bred Gilt Sale

By Lillie L. Madsen  
Farm Editor, The Statesman  
Weather was reflected in the fifth annual bred gilt sale of the Oregon Swine Growers held Saturday at the state fairgrounds. The 24 animals brought only \$2,150 for an average of \$89.58 in comparison to last year's 33 bred gilts which averaged \$123.18. In 1948, there were 46 sold at \$125.92 average. The Marion County Livestock association was joint sponsor with the Swine Growers association in the sale.

As he would, H. J. McMurray of Council Bluffs, Iowa, auctioneer, could pull only indifferent bids from most of those attending. Even the heated barn could not warm the ringside up to bidding. Only seven animals brought \$100 or more. Highest price was \$127.50 paid by Neal Elliott of Lakeview for a Hampshire consigned by Lyle McKinley & Son of Sheff. McKinley is president of the Oregon Swine Growers association.

## T-H Machinery Set to Roll If Miners Strike Monday

### Russians End Blockade on Truck Traffic

BERLIN, Feb. 4-(AP)—The Russians dropped their "little blockade" of truck traffic today at Helmstedt. In an official statement tonight, they said it was imposed to combat smuggling.

After two weeks of slow-down tactics, Soviet guards threw the zonal frontier wide open and waved through trucks bound from West Germany to Berlin at rates up to one a minute.

"Come on, come on," they shouted. The break came as the United States, British and French authorities discussed possible counter measures. The official Soviet statement on why the blockade was lifted did not refer to these conferences. But the Russians learned in the 1948-49 blockade that an allied counter blockade could hurt. The U. S. state department said this week that a new counter blockade was under consideration.

The Soviet-licensed news agency ADN distributed a statement by Maj. Gen. Alexander Kotikov, the Berlin commandant, replying to a protest by the western allies over interference with truck traffic on the super highway. His statement declared: "Smuggling activity was the primary reason behind the stringent measures imposed at Helmstedt that choked truck traffic. At least 200 cases of smuggling had been uncovered at Helmstedt in the past three months."

### Dimes Drive at \$9,000; Final Week Starts

Marion county's March of Dimes has collected a total of more than \$9,000 as it goes into the final weather-plagued week of its fund drive to fight poliomyelitis.

Last large public events in Salem will be the Elks-sponsored dance at Crystal Gardens on Tuesday night and the amateur boxing card at the armory on Wednesday night. The fights are sponsored by Capital post 9, American Legion.

### Yank Skyward Leaves Atlanta Boy Unhurt

ATLANTA, Feb. 4-(AP)—George Reid, 14, was tossed 50 feet into the air today without serious injury.

He was yanked skyward—and dropped at the highest point—after he was hoisted atop new steel towers. Doctors first thought he had a broken hip but later found only bruises. They released him after emergency treatment.

Three 14-year-olds were hitching rides on the cable as a crew with a power winch erected it. They would hang on a few feet and let go, but George's grip "froze" in fright.

Despite his companion's screams, he held onto the cable until it reached the tower top. A splice on some other obstacle broke his grip and he came hurtling down.

The cable had no current in it. George said it went up so fast "I got scared, I couldn't turn loose."

### Presidential Advisors Draft Order to Authorize Emergency Injunction Use

WASHINGTON, Feb. 4-(AP)—Two top presidential advisers said tonight that President Truman will invoke the Taft-Hartley act against John L. Lewis unless his soft coal miners return to the pits Monday.

The two officials, in separate interviews, said the United Mine Workers chief had left the chief executive no alternative but the use of the act which he has sought to repeal.

Presidential advisors are already at work on the draft of a presidential order.

Earlier in the day Lewis spurned Mr. Truman's plan to end the mounting coal crisis with a fact finding board.

This immediately set off rumors that a nationwide mine strike would get under way on Monday. Neither of the white house intimates who outlined the white house plans would be quoted by name.

They said that the president would act unless there is an unexpected return to the coal mines by the UMW members.

Means Rejection  
Late today the white house announced that Lewis' answer "is construed as a rejection" of the president's proposals.

In turning down the president's offer to name a three-man board to investigate the coal situation while normal production is resumed, Lewis said his 400,000 miners were dead set against placing their wages and working conditions in the hands of "three strangers" no matter how well intentioned they might be.

Coal operators and miners alike predicted that but little coal would be dug next week.

Order for Walkout  
John D. Battle, executive vice president of the national coal association, said reports from the mine fields indicated that the "wink or nod" for a walkout had already been given by Lewis.

In using the Taft-Hartley law Mr. Truman would have to first decide that a national emergency exists. Heretofore he has held that such a condition does not exist.

Then he can seek an 80-day injunction against the union while a fact finding board makes a study of the situation and reports to him. One of the two presidential advisers said tonight: "This situation has now got us worried and we will have to take action as soon as possible."

Earliest Report  
The president will seek the earliest report that a board can make.

This official, in close contact with developments, said he had "grave doubts" whether Lewis would send the miners back to work on Monday.

Mr. Truman had originally proposed to set up a fact finding board apart from the Taft-Hartley law.

He had suggested that the miners return to normal digging while that board made an investigation and came up with recommendations for settlement. Either the union or the operators would have been able to accept or reject the report.

But Lewis voiced suspicions. In cryptic terms, the United Mine Workers leader contended that the board's findings would leave his union with but one choice—to accept or face a Taft-Hartley act injunction against a strike.

And he hinted broadly that such an injunction would bring on a work slowdown.

### Atom Spy Case Casts Doubt on A-Partnership

LONDON, Feb. 4-(AP)—Political leaders fretted today over the possibility that Britain's latest atomic spy case may torpedo chances for a full exchange of atomic secrets with the United States and Canada.

The case broke yesterday when 38-year-old Dr. Klaus Emil Julius Fuchs, described as the mastermind of Britain's only atomic energy plant, was arraigned on charges of giving away U. S. atomic secrets in 1945 and 1947.

Some United States senators immediately demanded that Britain be denied any further secret atomic information developed by American research.

There was no official comment on the case in London. Normally cooperative spokesmen for all government departments from Scotland Yard to Prime Minister Attlee's office shut up like clams at the mention of Fuchs' name. But politicians expressed alarm privately over the possibility the case may cause the United States to turn down Britain's bid for freer exchange of atomic knowledge.

The two nations have been talking over freer exchange with Canada for several months. The best authoritative information here is that Britain does not have the atomic bomb. She does, however, have atomic piles for research, operated by the government's ministry of supply.

There was no official comment on the case in London. Normally cooperative spokesmen for all government departments from Scotland Yard to Prime Minister Attlee's office shut up like clams at the mention of Fuchs' name. But politicians expressed alarm privately over the possibility the case may cause the United States to turn down Britain's bid for freer exchange of atomic knowledge.

### Weather Blamed for Decrease in Activity at Bred Gilt Sale

By Lillie L. Madsen  
Farm Editor, The Statesman  
Weather was reflected in the fifth annual bred gilt sale of the Oregon Swine Growers held Saturday at the state fairgrounds. The 24 animals brought only \$2,150 for an average of \$89.58 in comparison to last year's 33 bred gilts which averaged \$123.18. In 1948, there were 46 sold at \$125.92 average. The Marion County Livestock association was joint sponsor with the Swine Growers association in the sale.

As he would, H. J. McMurray of Council Bluffs, Iowa, auctioneer, could pull only indifferent bids from most of those attending. Even the heated barn could not warm the ringside up to bidding. Only seven animals brought \$100 or more. Highest price was \$127.50 paid by Neal Elliott of Lakeview for a Hampshire consigned by Lyle McKinley & Son of Sheff. McKinley is president of the Oregon Swine Growers association.

Weather was reflected in the fifth annual bred gilt sale of the Oregon Swine Growers held Saturday at the state fairgrounds. The 24 animals brought only \$2,150 for an average of \$89.58 in comparison to last year's 33 bred gilts which averaged \$123.18. In 1948, there were 46 sold at \$125.92 average. The Marion County Livestock association was joint sponsor with the Swine Growers association in the sale.

As he would, H. J. McMurray of Council Bluffs, Iowa, auctioneer, could pull only indifferent bids from most of those attending. Even the heated barn could not warm the ringside up to bidding. Only seven animals brought \$100 or more. Highest price was \$127.50 paid by Neal Elliott of Lakeview for a Hampshire consigned by Lyle McKinley & Son of Sheff. McKinley is president of the Oregon Swine Growers association.

Weather was reflected in the fifth annual bred gilt sale of the Oregon Swine Growers held Saturday at the state fairgrounds. The 24 animals brought only \$2,150 for an average of \$89.58 in comparison to last year's 33 bred gilts which averaged \$123.18. In 1948, there were 46 sold at \$125.92 average. The Marion County Livestock association was joint sponsor with the Swine Growers association in the sale.

As he would, H. J. McMurray of Council Bluffs, Iowa, auctioneer, could pull only indifferent bids from most of those attending. Even the heated barn could not warm the ringside up to bidding. Only seven animals brought \$100 or more. Highest price was \$127.50 paid by Neal Elliott of Lakeview for a Hampshire consigned by Lyle McKinley & Son of Sheff. McKinley is president of the Oregon Swine Growers association.

Weather was reflected in the fifth annual bred gilt sale of the Oregon Swine Growers held Saturday at the state fairgrounds. The 24 animals brought only \$2,150 for an average of \$89.58 in comparison to last year's 33 bred gilts which averaged \$123.18. In 1948, there were 46 sold at \$125.92 average. The Marion County Livestock association was joint sponsor with the Swine Growers association in the sale.

As he would, H. J. McMurray of Council Bluffs, Iowa, auctioneer, could pull only indifferent bids from most of those attending. Even the heated barn could not warm the ringside up to bidding. Only seven animals brought \$100 or more. Highest price was \$127.50 paid by Neal Elliott of Lakeview for a Hampshire consigned by Lyle McKinley & Son of Sheff. McKinley is president of the Oregon Swine Growers association.

Weather was reflected in the fifth annual bred gilt sale of the Oregon Swine Growers held Saturday at the state fairgrounds. The 24 animals brought only \$2,150 for an average of \$89.58 in comparison to last year's 33 bred gilts which averaged \$123.18. In 1948, there were 46 sold at \$125.92 average. The Marion County Livestock association was joint sponsor with the Swine Growers association in the sale.

As he would, H. J. McMurray of Council Bluffs, Iowa, auctioneer, could pull only indifferent bids from most of those attending. Even the heated barn could not warm the ringside up to bidding. Only seven animals brought \$100 or more. Highest price was \$127.50 paid by Neal Elliott of Lakeview for a Hampshire consigned by Lyle McKinley & Son of Sheff. McKinley is president of the Oregon Swine Growers association.

Weather was reflected in the fifth annual bred gilt sale of the Oregon Swine Growers held Saturday at the state fairgrounds. The 24 animals brought only \$2,150 for an average of \$89.58 in comparison to last year's 33 bred gilts which averaged \$123.18. In 1948, there were 46 sold at \$125.92 average. The Marion County Livestock association was joint sponsor with the Swine Growers association in the sale.

EGG PRICES TO RISE  
PORTLAND, Feb. 4-(AP)—The major Portland dealers said today that they would increase the price of eggs 1 cent a dozen Monday; the first upswing in long declining egg prices.

THE WEATHER			
	Max.	Min.	Precip.
Salem	45	19	.32
Portland	39	13	.21
San Francisco	53	46	1.32
Chicago	40	18	.00
New York	42	9	.00

Williamette river 3 feet.  
FORECAST (from U.S. weather bureau, McNary field, Salem): Cloudy today with local clearing tonight. Possible light showers today. High today 45-48. Low tonight 26-28.

SALEM PRECIPITATION		
This Year	Last Year	Normal
27.29	22.94	23.46