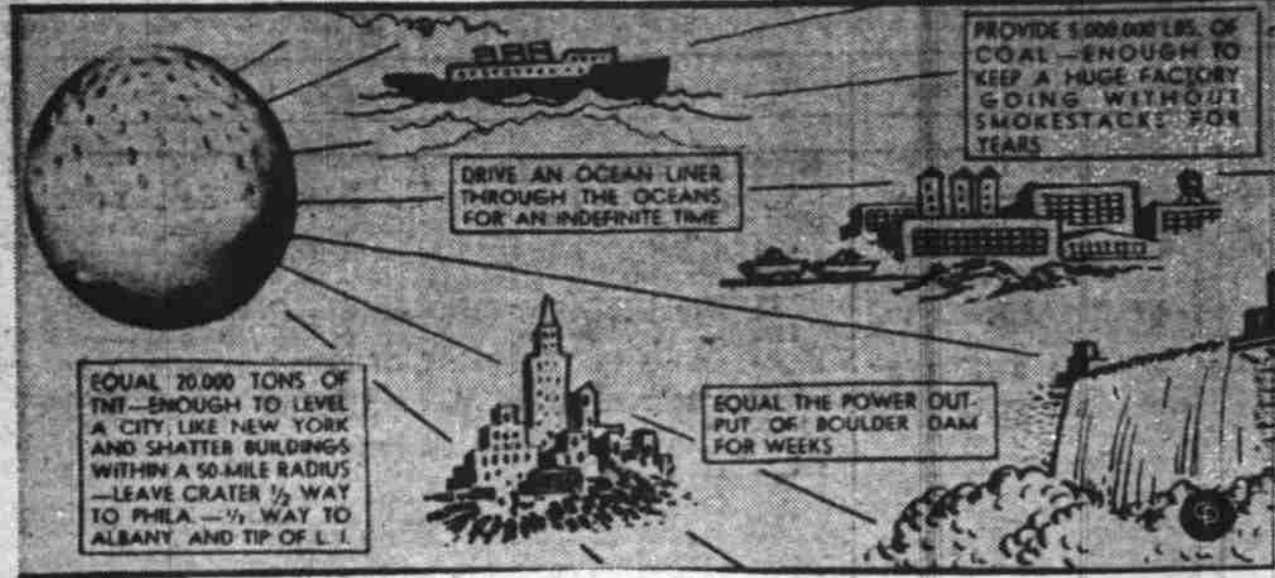


Give Your Imagination Full Rein on This



Chances are that even in imagination you can't exaggerate the potentialities of the force of the atomic bomb. Atomic power, of golf ball size, would shatter a city the size of New York and spread destruction for a radius of fifty miles. But it also has vast powers to benefit mankind. It is believed that fashioning of this fearsome engine of death (the small ball of uranium-based sun-harnessed destructive energy) is filled into a larger bomb, with all mechanism giving a weight of about 400 pounds. It is dropped from 35,000 to 40,000 feet in a parachute and detonates over the city. The timing is such that the atom bomb pilot can clear away fifty miles so as not to be caught in the terrible waves. The above diagram depicts several of the beneficial uses to which atomic power can be put. (International Soundphoto)

Atom Force Rated 1,000,000 Times Bigger Than Gravitation

By Howard W. Blakeslee
Associated Press Science Editor

NEW YORK, Aug. 9.—(AP)—One million times greater than the force of gravitation is the calculated value of the atomic force which the bombs dropped on the Japs presumably tapped in a small degree.

Port Planning Group Reports

PORTLAND, Aug. 9.—(AP)—Mayor Riley's recently appointed port development committee made its first report today on ways of improving the postwar maritime situation on the Willamette and Columbia rivers.

Its recommendations: Establishment of a central lumber terminal, new industries to use imported raw materials, initiation of a super promotion program, possible consolidation of port and dock commissions, study of whether railroads discriminate against Portland, establishment of a belt line railroad, study of possible trade between the Columbia and Alaska, encouragement of the maritime commission to lay up here for repair, study of tariff and ship repair facilities.

Posts Ask for Meeting

PORTLAND, Aug. 9.—(AP)—Two large Portland American Legion posts today asked that a 1945 state convention be reconsidered. The groups, comprising region eight, said adequate representation could be obtained despite ODT travel restrictions.

Gravitation is the greatest single force known to science, unless the atomic one is bigger.

Gravitation's force reaches out over vast space. The terrific atomic force appears to be almost wholly confined within the nucleus, or heart, of each atom.

That nucleus is the box scientists tapped with the uranium atoms forming the atomic bomb. It is difficult enough for laymen to imagine the exceedingly small size of an atom. But this atomic force exists in an even incredibly smaller space.

A uranium atom's diameter is calculated to be a third to a half of a billionth of an inch. But the nucleus is confined to a space estimated at 100,000 times smaller. The space between this center and the uranium's circumference is filled with 92 electrons circling around.

Now comes the almost fantastic part of the picture, which nevertheless is well verified in the physics books.

This center that is 100,000 times smaller, contains 99 per cent of the entire mass of a uranium atom. The same fact is true of all the other atoms of the known universe. Their tightly packed nuclei contain 99 per cent of their masses.

In other words, 99 per cent of the solid substance of all things and all creatures, including man, is packed into these atomic nuclei.

Strikes Close Klamath Falls Lumber Camps

KLAMATH FALLS, Ore., Aug. 9.—(AP)—More than 1100 men were out on five logging and lumbering operations here today, including the huge Weyerhaeuser pine mill, while company and CIO union officials charged each other with not living up to contract terms.

Men on picket lines predicted the strike would spread through the Bend pine country up to the Columbia river.

The dispute was touched off when the company failed to fire a watchman not a union member and spread to other mills in sympathy strikes.

PORTLAND, Aug. 9.—(AP)—Strike vote petitions by workers on more than 475 northwest lumbering and logging operations have been forwarded to Washington, and polling probably will take place Aug. 30, executive secretary Kenneth L. Davis of the lumber and sawmill workers (AFL) said today.

TACOMA, Aug. 9.—(AP)—The bodies of a prominent Tacoma business man, Carl J. Kernwein, about 50, and his 20-year-old stepdaughter, Mary Kernwein, were taken from the riptide of Tacoma narrows today noon by an unidentified fisherman.

In seeking an explanation of the tragedy, sheriff's officers tonight were probing a web of personal difficulties that first was spun around Kernwein last June 29 when he was fined \$800 in federal court for income tax irregularities and attempt to defraud the government. He was given a suspended sentence of two years.

Two days ago Kernwein's wife, Nettie May Kernwein, filed suit for divorce, charging cruelty.

Restaurants Expected To Get More Red Points

SAN FRANCISCO, Aug. 9.—(AP)—"A more liberal arrangement" is expected in allotment of red points to restaurants and institutions throughout the country, Leon Boshch, Washington, co-director of the food rationing division of OPA, said here today.

Boshch said action will be taken at a meeting of Washington OPA officials Tuesday with their food industry advisory committee.

Girls Stranded On High Ledge

BOULDER, Colo., Aug. 9.—(AP)—Four girls marooned overnight on a narrow ledge of towering South Aprapahoe peak near the continental divide told today of their terrors when a fifth member of the party slipped from the ledge, rolled down a snowbank and lay helpless on a boulder field for almost six hours.

The injured girl, Hester Ann Peterson, 19, of Kansas City, Mo., was rescued at 2 a.m. today, brought down the steep slopes on a stretcher and placed in a Boulder hospital. She had a badly swollen back and possibly several fractured vertebrae, but physicians said her condition was not serious.

Rescuers were able to reach Miss Peterson, but could not immediately aid the other four girls to escape from their dangerous perch. Another rescue party returned today and assisted the quartet to safety. All four returned to Camp Shoshone.

Picker Reaps Wealth

HOOD RIVER, Aug. 9.—(AP)—A modest Hood River county cherry picker earned a not-so-modest \$70 in two days' work, Mrs. Sadie Bennett, county farm labor assistant, said today. He picked half a ton of cherries a day, she estimated.

HOP CROP IMPROVED

INDEPENDENCE, Aug. 9.—(AP)—Extremely favorable weather has improved the hop crop, and 10,000 pickers will begin work in this area September 1. Wages will be same as last year, 1 1/2 cents a pound.

IT TAKES LOTS of SAVING

To provide enough used fat for the mountains of supplies, munitions, medicines needed on every battle-front...

TO GET ENOUGH FOR THESE

TURN IN EVERY DROP OF USED FAT FOR CASH and EXTRA RATION POINTS.

Portland Woman Has Moving Job For City Police

PORTLAND, Aug. 9.—(AP)—Police were glad today they didn't take a patrol wagon when answering an emergency call.

They found a woman who declared she was leaving her husband and would the patrolmen help her move her washing machine? she inquired.

Pointing out that the squad car was too small, the officers made a hasty exit.

Slacks Can Be Flattering! California Styled Slacks \$5.98



- California Styled
- Hip-Smoothing Pleats in back
- Two Slash Pockets
- Easy-Giving Front Pleats

Fashions that capture your imagination. Crease-resistant River-Cool fabrics. Some with hand tailored finished belt in and zipper side closure. Others with adjustable button waistband and pocket-in-pocket. Check combinations and solid colors. Size 12 to 20.



Suavely Cut Sport Shirts \$2.45

- An "In or Out"
- Smartly Styled
- Wear with Those Man Tailored Slacks
- Cut for Action

Shoulder yoke with gathered fullness to allow for full action. Matching buttons, padded shoulders and short sleeves give that fine flourish to your sport outfit. Brown and black only in sizes 32 to 34. At Fred Meyer Women's Apparel Sections

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Men's Check List on Work Clothes

✓ Check each item carefully and notice the values and savings we offer you here. Remember Penney's are highest in the quality of work clothes, and lowest in price. Shop today!

- Men's One-Piece Work Suits**
One-piece set in belt work suits. Metal button front. Six generous sized pockets. All seams double stitched for extra wear. Full cut shoulders and arms. Made of a heavy herringbone twill. Sanforized shrunk for lasting fit. **369**
- Plaid Flannel Shirts for Men**
Penny's fine quality outdoor shirt. Colorful plaid flannel fabric. Two pockets. Six-button style. Expertly made to stand lots of hard wear. **198**
- Woolen Plaid, Zipper-Front Jacket**
Warm woolen plaid jacket. Zipper front opening. Variety of colorful plaids. Three-pocket model, belted back. Colors: maroon, blue, green and brown. **498**
- All-Wool Uniform Pants**
Fine quality, 100% wool whipcord fabric. Colors suitable for uniform wear, reinforced bound leather pockets and leather kickplates on cuff. **1250**
- Thermos Bottle—Vacuum Type**
The only Thermos brand vacuum bottle. Keeps things hot or cold. Plastic cup. All-metal case for lasting wear. Grand for school lunches. **109**
- Heavyweight Canvas Gloves**
Big Pay, the nation's work glove. Knit cuff with sturdy, sewn seams. Soft felt lining. **21¢**
- Monkey Face Gauntlet Gloves**
Serviceable nap-out palms with heavy drill back hand and long safety cuffs. **39¢**
- Men's Leather Gauntlet Gloves**
Processed waterproof "Spitfire" glove! Gauntlet cuff with leather palm. Cloth and leather reinforced back. **69¢**
- Leather Work Gloves**
Split hide glove for good wear. Wrist length. Protected seams. Small, medium, large. **69¢**
- Cowhide Leather Gloves**
Extra fine, soft leather gloves. Ideal for driving. Sewn and bound for lasting wear. Desired sizes. **98¢**
- Men's Pay-Day Overalls**
Men's union-made Pay-Day overall. The best known name in the overall world. Extra heavy weight, super quality denim. Sanforized shrunk for permanent fit. **1.88**
- Fine Quality Broadcloth Work Shirt**
Penny's super quality broadcloth work shirt. Sanforized shrunk for lasting fit. Deep pocket, six-button front. **1.49**
- Fall-Weight Union Suits**
Long sleeves and legs. Practical for fall wear. Soft rib knit. Sewn belt seams and edges. Roomy and comfortable full-cut garment. **1.33**
- Men's Rockford Type Cotton Work Socks**
Foremost heavy, sturdy, cotton sock. Interlined throughout with white yarn, four-thread heel and toe. Seamsless. **19¢**
- Men's Red and Blue Bandanas**
Men's fast-colored bandanas. Red and blue. Nice hemmed edges. Medium size. Clever designs. **7¢**
- Cool, Comfortable Work Caps**
Lightweight cap, so comfortable for all day wear... hand bill. All seams bound. Soft fabric in woven over plaids. Brown, blue and green. **39¢**

WORK CLOTHES DEPARTMENT—MAIN FLOOR

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In endeavoring to do our part in making this Christmas a truly happy one for our loved ones overseas, we have devised what we think is THE PERFECT GIFT—So new and different, yet so beautifully filled with sentiment, that every family will want to send it to THEIR loved one.

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