

Peaceful Use of Hydrogen Power Now Being Hinted by Scientists

Washington (U.P.)—Now they're hinting at hydrogen power. It has long been known that the same atomic energy that wrecked Hiroshima can be controlled to produce power. Witness the atomic submarine, the keel of which was laid at Groton, Conn., on Saturday. But scientists generally have said that sort of atomic energy which will be unleashed when the H-bomb is perfected could never be tamed for peace. **Harnessing Suggested** One paragraph in a speech made by Sen. Brien McMahon,

D-Conn., suggests, however that the hydrogen reaction of the "superbomb" can be harnessed. "There is now hope," he said, "that possibly there may develop—years hence—important peacetime applications of hydrogen principles." McMahon is chairman of the House-Senate Atomic Energy commission. It is privy to all the secrets, if it wants to hear them, of the U.S. atomic energy project. **Almost Limitless Prospects** His committee office refused to say what "peacetime applica-

tions" McMahon was hinting at. If he meant power, the prospects would appear to be almost limitless. Atomic energy is released by fission splitting of the uranium or plutonium atom. H-bomb energy is released by fusion welding of the nuclei of hydrogen atoms. As a means of unlocking the tremendous energy frozen in the hearts of atoms, fusion is many times more efficient than fission. That is one reason the H-bomb is expected to be vastly more powerful, pound for pound, than an ordinary A-bomb. **Solution Mystery** How would you go about harnessing hydrogen energy for non-violent labors is a mystery. Scientists have been saying for years that only the multi-million-degree heat of the A-bomb can trigger the hydrogen fusion reaction. Once the trigger works, the reaction itself—as explained by the Atomic Energy committee—lasts only a split millionth of a second. The result: incredible violence. McMahon is not the first to hint that science has at least a theoretical inkling of a fusion reaction that might be controllable in the sense that atomic energy is. Dr. Kenneth S. Pitzer, former director of research of the Atomic Energy Commission, told U. S. News & World Report in an interview May 9 that the H bomb reaction "might conceivably have some peaceable use." Asked if it might be controlled, he replied: "It might, yes. I'm not even going to postulate how it might, but I never like to say that something is impossible—there have been too many people who have predicted something was impossible and within 10 years somebody did it."

Senate Subcommittee Sees Plane Building Delay as Disastrous

Washington (U.P.)—The Senate Preparedness subcommittee said Tuesday that President Truman's decision to "stretch out" airplane production is "an invitation to disaster." Calling for the "quickest possible" build-up of the nation's air strength to the 143 groups recommended by the joint chiefs of staff, the subcommittee said: "The alternative is the possible extinction of our way of life." **Warnings Underscored** In an ominously worded report on its investigation of the nation's aircraft procurement program, the subcommittee underscored recent warnings of Air Force officials that Russia would have two to three times as many military planes as the United States by 1954 and probably gain world-wide air superiority. "The question of an adequate air defense for the United States is a question of life or death for ourselves and our institutions," the subcommittee said. Defense leaders, it said, "do not believe we have the strength we need; they do not believe we will have the strength we need unless we raise our sights at once and raise them drastically." **Soviet Estimates High** The group said it is "deeply disturbed" about the present air

power situation. It reported that the best estimates on Soviet plane production and plant capacity are "shockingly high." The subcommittee conceded that it has not made a detailed study of the fiscal reasons behind Mr. Truman's decision to defer until 1955 the 143-wing Air Force which the joint chiefs of staff recommended for 1954. "However, we are convinced that the threat which faces our security is so grave that an overriding priority should be placed upon building our defenses," the report said. **Won't Save Money** The subcommittee declared that the decision to "stretch-out" plane procurement "will, in the long run, save no money," but will instead increase the unit cost per plane by 2 1/2 to three per cent. The Air Force association, comprised of Air Force veterans, reserves and National Guard members, also joined in the attack on the administration's "stretch out" decision and urged congress to appropriate money to build the 143-wing Air Force by mid-1954.

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WEATHER
By United Press
North California: Fair Tuesday and Wednesday but with increasing coastal fog.



STANDING IN FRONT OF MACHINE, Dr. J. Robert Oppenheimer (left), former University of California atomic scientist and Dr. John von Neuman describe new electronic "brain" which they helped design. Described as world's fastest, it can do 2,000 multiplications, add or subtract 100,000 times in one second. It was perfected at Princeton, N. J., for atomic research. (International Soundphoto)

Under a state of defense mobilization, railroad cars would be needed to add 25 per cent more ton-miles of freight transportation service than the nation's railroads achieved in 1951, according to the American Railway Car Institute. The 45th annual convention of the National Association of Real Estate Boards will be held at Miami Beach, Fla., from November 9-14. Last year's convention in Cincinnati drew more than 3,000 delegates representing about 48,000 members.

Eisenhower Votes In Oregon Surpass Opponents' Totals

Salem—(U.P.)—Gen. Dwight D. Eisenhower got more votes for the Republican presidential nomination in Oregon's May 18 primary than all the other candidates combined, complete official figures showed Tuesday. The official count, released by Dave O'Hara, state elections bureau chief, gave Eisenhower 172,486 votes; Gov. Earl Warren of California, 44,034; Gen. Douglas MacArthur, 18,603; Sen. Robert A. Taft, 18,009; Sen. Wayne Morse, 7,105; Harold E. Stassen, 6,810, and William R. Schneider of St. Louis, 350. Write-in votes for vice president gave Warren, 22,467; Stassen, 3,815; Morse, 2,721; MacArthur, 1,676; Taft, 947; Eisenhower, 406; Gov. Thomas A. Dewey of New York, 148, and Schneider, 20.

Dr. Frank Fowler, Astoria, nosed out Mrs. Zylpha Zell Burns and Leslie M. Scott, Portland, for 9th and 10th places for delegates-at-large to the GOP national convention. The previously announced list of delegates remained unchanged. O'Hara said the official count of the Democratic vote had not been completed. **BUYS SAWMILL** Portland—(U.P.)—The Diamond Lumber company of Portland announced Tuesday it has purchased the Springfield Mill company's sawmill at Springfield, Ore. **GREYHOUND** Portland—(U.P.)—The Oregon State Liquor Control Commission Monday ordered a claim presented to the bonding company which bonded Fred Clemo, a former commission cashier accused of taking \$28,192 of state funds. Clemo is in jail awaiting trial on a grand larceny charge, preferred by the commission. He was arrested in February. The commission has a bond for only \$25,000 on Clemo and will be out the difference. The money was taken over a period of five years by means of manipulation of the commission's books.

SPOT NEWS

By BOB AND JOE

Moths know no season but they seem to be more active during the summer months. Many people just hang their cold weather clothes in the closet without bothering to have them cleaned. Then by fall they find a moth hole that was only a spot when they wore the garment the last time. That's just another reason why our free service, Fumol Moth Protection is extra valuable at this season. Odorless, colorless, Fumol is harmless to fabrics. It saves you the bother of wrapping and spraying. It protects your precious woolens. It lasts from Cleaning to Cleaning! Only the moths know its there and it kills them. Fumol is an added protection that will save your clothes and save you money. We are using it on all apparel and woollens.

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Injured Cowboy Flown To Willows, Calif.

Martin L. Davis, Willows, Calif., cowboy who suffer a dislocated hip Sunday when he was kicked by a bull during the rodeo portion of the annual Rogue River roundup, was taken to his home by Mercy Flights ambulance plane today. Davis was piloted by Lee Flink in the Stinson airplane operated by the non-profit air ambulance service. He is the 65th patient to be carried by Mercy Flights planes. The Army not only makes men of its soldiers, but makes them educated men. During 1951, nearly 44,000 certificates equivalent to high school diplomas were awarded officers and enlisted men.

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