

Some Scientists Question Whether H-Bomb Possible Now or Any Time

Washington (U.P.)—The big question about the hydrogen bomb today appears to be: What kind of hydrogen do you use?

Ever since the super bomb became a headline, if not a fact, scientists have been coming up with conflicting answers to such questions as:

Can it be made? If it can, how soon? What would it cost? Would it be worth the money and effort?

It is agreed that the only way to set off a hydrogen bomb would be to use the multi-million degree heat of a bursting atomic bomb to trigger it. The hydrogen explosion would have to "go" in a hurry. Otherwise the whole assembly would scatter and the tremendous temperatures and pressures required would fade before the hydrogen reaction got started.

Different Forms

Where there has been disagreement on other aspects, the reason apparently is that scientists were talking about different

forms of hydrogen. Hydrogen, the lightest element, exists naturally in two atomic weights—hydrogen 1 and hydrogen 2. Hydrogen 2, called deuterium, is twice as heavy as the other. But it is scarce. In 5,000 parts of natural hydrogen only one part is the heavy kind.

There is a third kind, hydrogen 3, called tritium. It is three times as heavy as ordinary hydrogen. It is man-made, produced by nuclear reactions in the same kind of piles that produce the man-made atomic explosive, plutonium.

Hydrogen 1 is plentiful. It is a rich nuclear fuel. The sun and stars use it. But scientists say it won't work in a bomb. It reacts too slowly.

Timing Important
Hydrogen 2 can be produced easily in large quantities. It, too, is a powerful atomic fuel. Get it hot enough and it will react with itself in a split second where ordinary hydrogen takes millions of years. But even a split thousandth of a second is a long time—perhaps too long—as nuclear explosion rates go.

Tritium is expensive and its production slow. Some atomic experts say it is far too hard to get ever to be useful for weapons. But, they add, it would be ideal otherwise. It reacts swiftly. In combination with deuterium it would release considerably more blast energy in less time than deuterium with deuterium.

But Dr. Robert F. Bacher, former member of the atomic energy commission, has pointed out that tritium production would cut into plutonium output.

On the theory that plutonium bombs are good enough for all practical military purposes, Bacher questioned the wisdom of diverting piles from plutonium to tritium production.

In the early days of H-bomb discussion, most scientists assumed that the explosive would be hydrogen 2 (deuterium) probably in combination with lithium for space-saving purposes.

However, he reported, Col. Krista Stelle was presented with a metal head solist baton for outstanding work, and a perfect attendance record over a long period of time.

The Juniors will lead the bicycle safety parade Friday, and will meet at the armory at 12:45 p.m. that day in uniform, leaving at 1:15 p.m. for the starting place.

All classes will be resumed as usual Saturday at which time the class schedule and other parades and activities will be announced.

Fifty-six, including chaperones, made the Portland trip.

Overdue Pilot Lands Safely at K. Falls
Klamath Falls, Ore., June 13. (U.P.)—Pilot Walter Stewart of Red Bluff, Cal., landed safely here last night after being overdue three hours on a flight to Ontario, Ore.

Stewart's estimated time of arrival at Ontario was 11:54 a.m. It was feared he might have crashed after he failed to arrive in the eastern Oregon city by 4 p.m.

Mrs. Lee's father was cashier and bookkeeper of the Beekman Banking House in Jacksonville from 1900 to 1916 when the institution was closed because of the death of the owner.

Appointee Qualified
Mrs. Lee has had considerable experience in business and in clerical work and served last year as editor of the Credit Women's national publication.

The historical society directors, in announcing the appointment of Mrs. Lee last evening, stated they felt fortunate in securing the services of a pioneer descendant, intensely interested in Jackson county history and with the business and office work experience necessary to conduct the museum.

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(Acme Telephoto)
GOLFING WHIZ KID—Lee Mackey Jr., 26-year-old unemployed professional from Birmingham, Ala., kisses the golf ball that gave him a record-shattering six under par 64 in the opening round of the U. S. Open championship in Ardmore, Pa. It was the best round ever carded in the 50-year history of the tourney.

Education Board Favors Plan for Teacher Training

Portland, Ore., June 13.—(U.P.) The state board of higher education has again endorsed the recommendation of Dr. Henry Gunn, director of elementary teacher training in Oregon, that all elementary training be confined to the three colleges of education.

The colleges are at Monmouth, La Grande and Ashland. Board Chairman Edgar Smith, Portland, had asked members to add elementary teacher training at the Vanport extension center.

Dr. R. G. Langston, professor of education at the University of Oregon and soon to take over as president of Eastern Oregon College of Education, argued for quality as well as quantity training of teachers.

"Most states and most educators agree there is a common core of general and teacher education which should be the foundation for all people going into education," Dr. Langston said.

Pistol-Toting 'Tough' Guy Stared Down by Victims in Cleveland

Cleveland, O.—(U.P.)—A pistol-toting robber was stared down twice in the same evening as he jittered through two holdup attempts.

The trembling tough guy first tackled a delicatessen. He ordered two bottles of pop and managed to fumble his pistol from his pocket while the proprietor went to the cooler. The owner Mike Mansour, let fly with one of the bottles, aiming at the robber's head. He missed but the robber went scotching down the street.

Two hours later the man tried another delicatessen but its owner, Carl Honeberger, just stared at him. The robber stared back uncertainly for a few seconds, then broke and fled.

Oklahoma officials are making a complete inventory of state-owned property, probably the first in 43 years of statehood. The inventory is expected to take more than a year.

Trace of Atlantis Continent Sought By Englishman

London.—(U.P.)—Egerton Sykes, 55-year-old explorer and former British diplomat, hopes to start soon on his long-cherished expedition to the Azores in search of the lost continent of Atlantis.

Sykes, who is chairman of the Atlantic Research Center, has been seeking to finance his search for Atlantis since last June, when he was disappointed in his endeavor to lead an expedition to Mount Ararat in Turkey to find the original Noah's Ark.

The Ararat expeditions, he believes, was blocked partially by international diplomacy because the soviet press charged that his avowed mission of seeking the Ark was a cover for espionage activities.

He hopes, however, that no such difficulties will prevent his going to the Azores some time this year to try to photograph evidence of the submerged continent of Atlantis from a bathysphere.

Sykes had planned the expedition earlier but was delayed by security considerations which placed on the top secret list some of the underwater apparatus he intended to use.

The apparatus included underwater radar and echo sounding devices which Sykes said could have been used to determine a contour of any submerged architectural structure.

Sykes now hopes to get pictures of the relics of the vanished civilization of Atlantis by using submarine cameras from a bathysphere.

"I have a fairly good idea where to look," he said. "Obviously we cannot hope to find very much because the area in the Azores I plan to investigate would have been high on a mountainside in Atlantis."

"It will be much the same as an explorer of the future relying on relics on the upper slopes of Mount Blanc in the Alps to prove the existence of civilization in Europe."

He thinks, however, there should be traces, perhaps even a temple which will give photographic proof of a civilization which vanished about 10,000 years before Christ.

From a mass of scientific data he has amassed on the subject Sykes is convinced the Atlanteans built pyramids like the Egyptians and carved elephant figures like Indians. He said:

"It may be possible for me to dredge something of this kind to the surface. I simply want to obtain evidence to prove that it would be worthwhile to arrange a large expedition to make a complete survey."

Every tree, shrub and flower to be found in North or South America has its prototype in San Francisco's Golden Gate park.

CBS Technician Strike Cancels Television Shows

New York, June 13.—(U.P.)—Columbia Broadcasting System executives manned television cameras today to substitute for technicians whose sudden strike cancelled six television shows.

The executives were pressed into service at 7 p.m. EDT last night when 335 engineers, members of the AFL electrical workers union, walked out of the New York studios in a contract dispute over working conditions.

CBS radio programs were not affected. Substitutions Made
The strike forced cancellation of "The Goldbergs," "Studio One," and four shorter programs. Solo entertainers and movies were substituted, including a film transcription of a Fannie Brice show not scheduled for release until next Monday. It was Miss Brice's television debut.

Howard Meighan, CBS regional vice president, said he understood sympathy walkouts had been planned at seven network-owned stations, but operations were reported normal at all but station KNX, Hollywood, where 32 technicians went on strike.

Fisherman Perfecting Automatic Caster With Motor Made of Rubber
Birmingham, Ala.—(U.P.)—S. I. Rowe, who has spent 50 years fishing, has designed an automatic caster.

The three-and-a-half foot casting apparatus is a more or less square aluminum tube which attaches to his rod.

The motor is a strong, thin rubber band. The band is stretched over a roller inside the front end of the caster.

A winder pulls back the bait cup on top of the caster by a heavy cord. A trigger, similar to one on a rifle, releases the line. It zooms out 50 feet or more to its objective. The line is rewound by an automatic winder.

Dentist Fills Teeth In Washing Machine
Lagrange, Ind.—(U.P.)—James K. Duff, a dentist, had a patient which showed no pain whatsoever to tooth-filling.

It was the timing gear of an automatic washing machine, brought to his office to have four defective teeth repaired.

Duff filled the holes in the teeth with a new plastic used to fill human teeth. The gear now is in perfect working order.

NATIONALISTS ARRESTED
Hong Kong, June 13.—(U.P.)—The Communist New China News Agency said today that communist police had arrested more than 40 Chinese nationalists agents in the communist capital of Peking. The agents were accused of spying, sabotage and counterfeiting.

Dead line for Sunday Classified is at Noon Saturdays.

Broadway Player Tells Hollywood, 'Come and Get Me'

New York.—(U.P.)—Danny Scholl, rising Broadway musical comedy player, is looking westward with his thumb to his nose these days and telling Hollywood to "come and get me."

Scholl, who whirled to prominence in lead roles in "Call Me Mister" and the current "Texas L'il Darlin'," says he was snubbed when he tried to crash filmland a few years ago.

"I starved out there for a year-and-a-half, just begging for a chance," he said. "It was like yelling at the moon. Everyone gave me the brush-off and the same line: 'Get a name for yourself.'"

Hollywood, Scholl concluded, is "publicity-wacky."

Clippings Count
"They don't care about talent," he said. "All they judge anyone by is his press clippings. I went out there after 'Mister' closed. I spent all the money I had saved; exhausted my unemployment insurance, and then worked part-time in the Los Angeles post office so I could eat."

"Every studio I went to told me the same thing. 'Sure, you did a fine job in Mister, but the show's closed now and you can't make a name for yourself in one show even if it is a hit.'"

Scholl said he finally gave up in disgust, hitch-hiked back to New York for a try-out in "Texas" and came up with the lead. Since the show opened, the handsome, six-foot-four Cincinnati has pulled down excellent notices.

About 75 per cent of the land area of the United States is not adequately mapped according to the U. S. geological survey.

Police Told of Rape Attempt Early Today

An attempted rape was reported to city police early this morning by a 19-year-old girl who said that a man grabbed her from behind and threw her to the ground at Jackson and Vermont streets.

According to police, the girl said she managed to get away and ran to a Jackson street residence. Police were called there but found no trace of the man in the neighborhood. The girl said the man was about 5 feet 10 inches tall, had grayish hair and was wearing a maroon shirt or jacket.

Use Mail Tribune Want Ads

War Babies Presenting Problem in W. Virginia

Wheeling, W. Va.—(U.P.)—War babies, born in an era of insecurity, tension and intolerance, have posed new problems for teachers who now have them in class.

The first three graders, according to a survey of Ohio Valley schools, are more difficult to handle because they lacked normal home life in earlier years.

Teachers blamed broken homes, both parents working and separation of children from parental restraint as contributing factors.

Dead line for Sunday Classified is at Noon Saturdays.

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Effective June 18

STREAMLINER "City of Portland"—Fastest train East. Latest departure, earliest arrival. No Extra Fare.

EASTBOUND—NO CHANGE

Lv. Portland	5:30 p.m.	Example Friday
Ar. Chicago	11:30 a.m.	Sunday

WESTBOUND—NEW SCHEDULE

Lv. Chicago	5:30 p.m.	Friday
Ar. Portland	7:30 a.m.	Sunday

"PORTLAND ROSE"—Convenient through service to Denver, Kansas City, Omaha, and Chicago... direct connections for Salt Lake City, St. Louis, Texas, Southwest and East.

EASTBOUND—NEW SCHEDULE

Lv. Portland	8:30 p.m.	Example Friday
Ar. Denver	8:00 a.m.	Sunday
Ar. Kansas City	11:15 p.m.	Sunday

WESTBOUND—NO CHANGE

Lv. Kansas City	11:30 p.m.	Friday
Lv. Denver	5:30 p.m.	Saturday
Ar. Portland	6:15 a.m.	Monday

"IDAHOAN"—Fast schedule with through service connecting with the "City of St. Louis" Streamliner for Denver, Kansas City, St. Louis. Direct connections for Salt Lake City, Texas, Omaha, Chicago, East and South.

EASTBOUND—NEW SCHEDULE

Lv. Portland	8:10 a.m.	Example Saturday
Ar. Denver	7:45 p.m.	Sunday
Ar. Kansas City	7:45 p.m.	Sunday
Ar. St. Louis	1:00 p.m.	Sunday

WESTBOUND—NEW SCHEDULE

Lv. St. Louis	4:00 p.m.	Friday
Lv. Kansas City	9:30 p.m.	Friday
Lv. Denver	7:45 p.m.	Saturday
Ar. Portland	4:40 p.m.	Sunday

The "SPOKANE"—Coach and new Pullman accommodations to Spokane.

EASTBOUND—NEW SCHEDULE

Lv. Portland	9:45 p.m.	Example Saturday
Ar. Spokane	7:00 a.m.	Sunday

WESTBOUND—NO CHANGE

Lv. Spokane	9:30 p.m.	Example Saturday
	7:00 a.m.	Sunday

(All Schedules Shown are Standard Time)

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