

United States Speeds Work on Controlled Hydrogen Bomb Reactions

Washington — A U.S. scientist disclosed today this country is speeding work on a device expected to set off controlled H-bomb reactions at temperatures twice those in the center of the sun.

His report was made in connection with release of American and British government reports which said recent research encourages hope that the H-bomb's thermo-nuclear forces eventually can be harnessed for peaceful use.

The scientist, Dr. Lyman Spitzer Jr., of Princeton university, said he expects the device, a giant "magnetic bottle," to go into operation in early 1960 and produce temperatures of 50 million degrees centigrade.

That is 20 to 30 million de-

grees higher than temperatures in the sun's thermonuclear firebox and 10 to 20 million degrees higher than those necessary to sustain one kind of H-bomb reaction under study as a possible power source.

The only way man can hope to contain such reactions is by using electrical and magnetic fields to confine the hot charged gases within invisible walls. Laboratory research devices employing such fields are called "magnetic bottles."

Both British and American officials cautioned against expecting economic hydrogen power in the foreseeable future. AEC Chairman Lewis L. Strauss would not describe results to date as "a major breakthrough."

Willard F. Libby told news- men he would call them "a major step forward" but not a breakthrough comparable to that achieved Dec. 2, 1942, when the first atomic fission chain reaction was established.

London dispatches, quoting anonymous sources, said Strauss wanted to delay publication until American laboratories could match the

temperatures achieved at Britain's Harwell.

Strauss said that when he and Sir Edwin Plowden, chief of the British atomic energy project, agreed on the Jan. 24 date for simultaneous publication of the scientific papers, he did not know just what point the British had reached.

Typical quotes from today's official papers: United Kingdom Atomic

Energy Authority: "Control of thermonuclear reactions for electricity generation may well be a possibility for the future, though its practical application is still a long way off. . . . The work must be expected to remain the research stage for many years yet."

Strauss: "Fruitful and promising results have been achieved in the laboratories of both countries but. . . it will

be a matter of years before we will be able to build and operate commercial hydrogen reactors."

Dr. Arthur E. Ruark, chief of the U.S. Thermonuclear Project: "The work should be judged in view of the promise it holds out, and not on the basis of results reported today."

Both Ruark and Strauss stressed that H-power re-

search has not yet reached a point comparable to the start-up of the first atomic fission reactor in Chicago, Dec. 2, 1942.

Said Strauss: "The controlled thermonuclear program will not interfere with the current development and construction of reactors to produce electricity from nuclear fission."

Fission is the splitting of heavy atoms like uranium. Do it fast and you get an A-bomb, like the one that destroyed Hiroshima. Control it and you get a power plant, like those at Calder Hall, England, and Shippingport, Pa.

The thermonuclear reaction, on the other hand, is the combining or fusing of light atoms such as hydrogen. Fast fusion, triggered by an A-bomb, produces the H-bomb's super violence. Controlled fusion, which is what the scientists are looking for, would convert this violence into peaceful power.

The thermonuclear fuel with which both the U.S. and Britain have been experimenting is deuterium, or

heavy hydrogen. It takes something like 400 million degrees of temperature to speed deuterium nuclei to velocities great enough to make them collide with sufficient force to fuse in a self-sustaining reaction and give up some of their vast elemental energy.

That is why such fusion reactions are called thermonuclear.

There is only enough uranium on earth to meet mankind's power needs through fission for another century or so. But there is enough heavy hydrogen in the waters of the planet to give man, as the British report said, "a virtually inexhaustible source of fuel" if science can learn how to harness it.

Keating Ponders Congress Office, Merrifield Says

Jackson County Rodney Keating is seriously considering running for the Republican nomination for congress from the Fourth District, according to John Merrifield, Portland, chairman of the state Republican candidate assistance committee.

He was quoted in the Portland Oregonian as saying Keating is one of three persons considering the move. The others are State Sen. Warren Gill, Lebanon, and former State Sen. Paul Geddes, Roseburg.

Judge Keating, whose term of office ends in 1960, according to a recent ruling of the state attorney general, has long considered the move, according to widespread rumors, but when questioned he has been non-committal.



MRS. BERETh HOPKINS Announces Candidacy

Incumbent congressman Charles O. Porter of Eugene, a Democrat, who is not expected to have opposition in the primary election. He will complete his first two-year term this year. He defeated a long time Republican congressman Harris Ellsworth, Roseburg, now chairman of the U.S. Civil Service commission, at the last election.

In another political development in the county this week, County Clerk Bereth Hopkins today announced her candidacy for renomination. She is the third candidate to formally announce their candidacies for non-judicial posts. Previously, Joe Walsh, now chief deputy sheriff, a Republican, and Raymond R. Koch, formerly associated with a detective agency, a Democrat, are seeking nominations for sheriff.

Jackson County Clerk Announces Her Candidacy

Mrs. Bereth Hopkins, route 2, box 428, Medford, announced her candidacy for the Jackson county clerk today.

The incumbent candidate was appointed county clerk in August, 1953, and in 1954 was elected to serve a four-year term.

"Since taking office I have made a number of changes in the county clerk's office in an attempt to modernize it," she said. "Modern machines and bookkeeping methods have been adapted for the election office. Also, the clerk's office has been reorganized into four divisions, those of auditor, legal, recording and election departments. All records from 1949 on have been microfilmed for safe keeping. Earlier records are now being put through this process."

Deadline for filing candidacies is March 7, six weeks away.

There are many rumors in military induction. Federal going to run for what office, but none is so far confirmed.

Elections this year will be held for state senator and two state representatives, county commissioner, county clerk, sheriff, coroner, two circuit judgeships and the district judgeship. Judge Edward C. Kelly will run for election to the circuit judgeship he now holds, and District Judge James M. Main will seek the other vacancy.

DOW-JONES AVERAGES
New York — Dow Jones final stock averages: 30 industrials 450.66, up 2.73; 20 railroads 107.83, up 0.94; 15 utilities 71.93, up 0.57, and 65 stocks 153.15, up 1.07. Sales today were about 2,830,000 shares compared with 1,910,000 shares Thursday.

Mothers Complete Plans To March Against Polio Next Thursday Night

Approximately 1,200 Medford mothers have completed plans to march against polio for one hour on Thursday, Jan. 30. It will be the annual Mothers' March, set from 7 p.m. to 8 p.m.

Mrs. Harold Gilbert, 209 Eastwood dr., chairman, said the entire city, including several of the surrounding rural areas, has been broken down into sections with a captain assigned to each section. Captains, in turn, have assigned mothers to cover each block in the area during the appointed hour.

The Mothers' March will be by invitation only. Mrs. Gilbert pointed out, with a burning porch light or a candle in the window indicating the occupant wishes to contribute to the fight against polio. No calls will be made where the



MRS. HAROLD GILBERT Heads Marching Mothers

Need for Higher Postage Rates Told Committee

Washington — Postmaster General Arthur E. Summerfield told Congress today that refusal to raise out of town letter postage to five cents would be "unthinkable."

He said increased postal rates, including the new five-cent stamp, is one of the most "urgent" items in the administration's budget message to Congress. Failure to act, he said, could force another increase in the national debt.

Several congressmen have said they would fight the nickel stamp proposal.

Summerfield appealed for support of the administration's postal rate plans in testimony before the Senate Post Office and Civil Service Committee. He sought a five-cent charge on out of town letters, four cents on local letters and other rate increases.

He spelled out the warning President Eisenhower outlined in his budget message last week, that the post office will run nearly \$700 million in the red and next fiscal year unless the postage increases are approved. And even with these increases there will be a deficit if pending wage raises for postal workers are granted, the administration says.

Meunier Picked Up By Immigration Men

Confidence man Robert Meunier, 33, Moncton, New Brunswick, Canada, who was serving a 30-day jail sentence after pleading guilty to charges of defrauding an innkeeper, was picked up by U.S. immigration authorities Thursday afternoon for return to Canada.

Meunier, who was arrested Jan. 13 by city police, admitted to police that he had fooled a number of Medford residents into believing he was a doctor of medicine, boy's town official or youth worker.

Reports showed he was released from the British Columbia, Canada, prison on Dec. 13, police said.

Chamber Banquet Is Planned Tonight

Dr. Clifford E. Maser, dean of the business college at Oregon State college, will speak at the annual Jackson County Chamber of Commerce dinner meeting at 7:30 p.m. today at the Rogue Valley Country club.

New members of the board of directors, who were elected late last year, will be introduced, as will new committee members. Robert Taylor is chairman of the banquet.

Portland — The final link of the Banfield freeway on Portland's east side was dedicated today.

invitation is not extended, Mrs. Gilbert said.

Captains who have been appointed include Mrs. C. H. Herman Jr., Mrs. Tom Reames, Mrs. Gordon Hudson, Mrs. H. L. Root, Mrs. Earl Knight, Mrs. Joe Hosick, Mrs. Thomas Cox, Mrs. William Breeden, Mrs. P. H. Blood, Mrs. R. J. Knight, Mrs. John Dickson, Mrs. H. G. Wing, Mrs. Lyle Heidemann and Mrs. H. C. Coppedge.

Mrs. Gilbert stressed that block workers are needed and persons wishing to volunteer may call SP2-4980 or SP 2-2052 evenings.

The chairman said she was confident the people of Medford would not let the mothers down and said she felt their portions of the month-long fund-raising campaign would pass previous marks.

Bids Called for Construction of Crater Addition

Central Point — Bids on construction of an eight-classroom addition to Crater High school will be opened at 8 p.m. Feb. 18 at Crater High school, H. P. Jewett, superintendent, has announced.

The addition will be at the east end of the present building and will form a wing parallel to the wings at the south end of the structure.

A \$160,000 bond issue was approved by district last Oct. 7 to construct and equip the addition. The addition was deemed necessary by the school board because of an increased enrollment in the present building. Enrollment this year reached 650.

Reinforced Concrete

The addition will include a corridor and connecting passage to the present building. Construction will be of reinforced concrete with brick veneer on concrete slab. Interior walls will be plastered, and acoustical and asphalt tile will be used on ceilings and floors.

Architects are of the firm Hayslip, Tuft, Hewlett and Jamison, Portland. The firm was in charge of the original building which was first used in September, 1951.

Present school board members are Lester E. James, C. Norman Gail, C. W. Anhorn, William Askwith and Wilton White.

Special Events Slated for MOD

Several special events have been scheduled for the March of Dimes in the next few days, it was announced today by John Watkins, special events chairman.

Saturday the Medford Kiwanis club and the Medford Lions club will compete in a wheelchair race starting at Eighth st. and Central ave. and concluding at Main st. and Central ave. The clubs will operate on opposite sides of the street and will move their wheelbarrows one foot for each dollar collected for the fight against polio. Officials, in charge of Fred Spiegelberg of Medford Senior high school, will check movement of the wheelbarrows and will determine the winner. Under rules of the contest, the loser must wheel the winner to the United States National bank where the money will be deposited. Frank Dorian is in charge of the Kiwanis crew while Lou Martin will supervise the Lions club.

Saturday will be the last day of the Eagles lodge's milk bottles of dimes in front of the First National bank. Coins may be deposited in bottles representing the state in which the donor was born. At the present time, Oregon is leading with Minnesota in second place, according to Bill Barlow, chairman of the event.

The 20-30 club will conduct a Blue Crutch sale on downtown streets Saturday. Lapel pins representing crutches will be sold with the receipts going to the March of Dimes, according to Don Wells, club president.

All next week the Medford Bowling lanes will conduct a March of Dimes contest, Watkins said.

Mayor John Snider Attending Meeting

Mayor John Snider left today for Portland where he will attend a League of Oregon Cities board meeting Saturday and Sunday.

While in Portland he will confer with Dale Patterson of The New York Times regarding an Oregon supplement to be published in the newspaper, Sunday, April 6.

According to a letter received from Patterson this week, the supplement will be designed to promote the state's progress and prosperity in business, industry and tourism.

The supplement is sponsored by the State Department of Planning and Development, the letter said, and will use color, including reading matter and pictures.

WEATHER

FORECAST: Generally cloudy with occasional rain in valley and snow in mountains through Saturday. Low tonight 35, High Saturday 48.

Highest Yesterday	Temp.
Lowest this Morning	32
Prec. to 10 a.m. Today	32

Our Skies Tonight

Sunrise	7:24 a.m.
Sunset	5:14 p.m.
The Moon sets	10:20 p.m.
and is in Apogee.	
First Quarter	Jan. 27
SIRIUS, due south	at 8:46 p.m.
and Capella, high overhead	at moonset, are now the brightest stars in the evening sky.

Winds Hit Coast

Gales Hamper Ocean Shipping; Traffic Halted

By UNITED PRESS

Winds reaching more than 100 miles per hour struck the Oregon coast Thursday, hampering shipping and causing a few power outages. No heavy damage was reported.

The Weather Bureau said the winds were expected to abate today, though still reaching 20-30 m.p.h., with the prospect of increasing again tonight.

Columbia Closed

The Mt. Hebo Radar Station near Hebo in Tillamook county reported gusts of more than 100 miles an hour Thursday. The entrance to the mouth of the Columbia river was closed to shipping all day by heavy winds and seas. The Coast Guard at Newport reported winds up to 75 m.p.h. accompanied by heavy rain.

High winds and swirling snow shot visibility to zero on the highways between La Grande and Baker and La Grande and North Powder. State police patrol flagmen halted traffic for more than five hours on the two routes, from 3 p.m. to 8:30 p.m. while other state police and highway department personnel cruised the closed areas and rescued stranded cars.

In Western Oregon, the high winds slapping wires against each other caused brief power outage at Powers in Coos county, West Portland, Clackamas Heights and Bull Run.

Cannon Beach, Ore. — This coastal community was without its regular water supply today because high winds Thursday blew a tree over the six-inch water main.

Repairs were expected to be completed this afternoon. The grammar school here was closed today since it has a hot water heating system.

Chamber Supports Vet's Hospital at Camp White Site

The board of directors of the Jackson County Chamber of Commerce yesterday requested the Veterans administration convert the permanent facilities at Camp White into a veteran's hospital providing 400 beds.

A campaign to utilize facilities at the Camp White site was emphasized recently by a committee of the Eagle Point Grange when it heard a veterans hospital was planned in the northwest. Other groups and veterans organizations have actively supported the proposal for some time.

In a letter to Sumner G. Whittier, administrator of veterans' affairs, the Chamber said it "has become vitally interested in the development of a veteran's hospital in connection with the veteran's domiciliary at Camp White."

The Chamber said it had been informed that there is a waiting list for admission to veteran's hospitals in Portland and San Francisco, a situation probably caused by the great increase in population along the west coast.

"There are, at present, permanent buildings now standing empty at Camp White, which are equipped to accommodate a 400-bed general medical and surgical hospital," the Chamber noted. It pointed out that there is an 850-bed domiciliary with an administrative staff capable of being expanded into a complete hospital administration.

"At the present cost of hospital construction," the letter continues, "no new, up-to-date hospital can be built at less than \$20,000 a bed. In other words, it would require almost \$8,000,000 to duplicate the existing facilities at Camp White."

Transportation Cost

The Chamber said another factor which should be considered is the cost of transporting veterans from the domiciliary to other centers when they are in need of hospital care. Such an expense would be eliminated if a hospital were established in connection with the present domiciliary, the Chamber pointed out.

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and Capella, high overhead	at moonset, are now the brightest stars in the evening sky.

Men Face Perjury Action

Washington — The Senate Rackets Committee sent contradictory testimony of six West Coast union officials to the Justice Department for perjury action today after two of them returned to the witness stand to correct previous testimony.

Return appearances were made by Patrick Clancy, president of San Francisco Local 3 of the Operating Engineers Union, and the local's treasurer, Porter E. Vandewark.

Principal Beneficiary

Clancy, Vandewark and three other union officials have tabbed Victor S. Swanson, the union's business manager and a former San Francisco utilities commissioner, as the principal beneficiary of irregularities in the union. The 74-year-old union official denied almost all of their charges yesterday.

Chairman John L. McClellan (D-Ark.) had ordered the transcript of their testimony sent to the Justice Department with the comment that somebody was "perjuring himself black in the face."

Winds Hit Coast

Look — We've Got a Secret Weapon

A condemnation complaint has been filed in Jackson county circuit court by the state highway commission against Myron Root and company.

The property being condemned is the old Root company packing house at Eighth and Fir sts., which is now under lease to Don Root.

The state highway commission plans to take a 60-foot right of way through the property, plus two 30 foot triangles on the east edge. This would extend Eighth st. across the tracks and make it a one-way thoroughfare or couplet connecting with Riverside ave. part of the city's arterial street plan.

Two Accesses

Two accesses will be allowed on either side of the relocated Eighth st. from the Root property, he added.

Root said the desired right-of-way would go right through the center of the property and require removal of the building.

Root said he has received a letter from an attorney representing the state highway commission stating the commission wants possession of the building on or before Feb. 21. However, negotiations are still under way, both parties stated.

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Construction Starts on Dental Office Buildings

Construction started yesterday on two connected dental office buildings at the northwest corner of East Main and Geneva sts. in Medford, according to Jack Edson, Medford, supervising architect.

Both buildings will be of equal size and will be connected with a covered walkway. One building will be used by Dr. Raymond McNair, orthodontist, and the other by Dentists Dr. John Price and Dr. Billy Blackstone. The two units total 2,000 square feet, Edson said.

Construction is being done by Meyers B. Jones, Medford contractor, and should be completed in four months, he said.

Cost was estimated at \$45,000 on the city building permit.

The roof will consist of a wood decking with a built up roof on top of that. Pattern glass and wooden louvers will give the dental operating rooms the required privacy, Edson said.

Both horizontal and vertical fir siding will be used, with the interior of hemlock paneling, gypsum board and acoustical tile. The floor will be of a vinyl-asbestos material. Plastic laminate will be used for the counter topings and wall surface.

Architect is Paul Kirk of Seattle, Wash., with Edson as supervising architect.

New Cabinet Assumes Control in Venezuela

Caracas, Venezuela — A new cabinet took control of this oil-rich South American nation today, hoping to restore order after three weeks of riot and revolt in which more than 200 persons were killed.