

Chemical Film May Become Great Aid In Reclamation

Denver—UPI—A chemical film only one molecule thick may turn out to be the greatest aid to reclamation in the history of the water-starved West.

The target of this amazing film is evaporation, the natural phenomenon that robs huge amounts of precious stored water every year. Experts estimate that one-third of all water in storage projects is lost through evaporation.

Evaporation Cut
Large-scale experiments underway since 1957 indicate potential value of the chemical film, which has cut evaporation to nearly nothing at reservoirs used in surface tests. Costs have been considerably less than the value of the water thus saved.

To the layman, it is difficult to believe that a surface-film less than one-millionth of an inch thick—invisible unless the light catches it at a certain angle—could do so much effect to prevent evaporation.

The favored material used so far has been hexadecanol, a fatty substance found in foods and cosmetics. A mixture of the chemical and water is spread by motorboats. When the long thin "polar" mole-

cules of hexadecanol touch the water, they crowd tightly against each other until there is no room left for water vapor to escape.

Water Unaffected
Otherwise, the water is unaffected. There is no change in its drinking quality, and no danger to the health of water life or animals. The only difference is that the water temperature is raised slightly due to the confinement of heat energy that makes for evaporation.

Assistant U.S. Reclamation Commissioner Grant Bloodgood, chief engineer of the Bureau's engineering laboratories in Denver, is chairman of a committee coordinating the anti-evaporation experiments. Collaborating agencies include the U.S. Geological Survey and the U.S. Public Health Service. Several cities have participated in the tests voluntarily.

In 1957 and early 1958, the experiments were centered at Carter, Rattlesnake and Ralston Reservoirs in Colorado. Another study was made last summer at Lake Hefner, the water-supply and recreation reservoir for Oklahoma City.

To Back Request
Congress will be asked this year to appropriate \$200,000

21 MAIL TRIBUNE, Medford, Or. Thursday, April 30, 1959

Liquor Revenue Increase Approved

Salem—UPI—A bill increasing the allotment of liquor revenues collected by the Oregon State Liquor Commission to incorporated cities from 10 to 15 per cent passed the Senate and went to the House Wednesday.

Under the measure any city that by election determines to prohibit sale of intoxicating liquor will not be entitled to its share of the funds as long as prohibition is in effect.

The Senate Tax Committee heard arguments but took no final action on the bill to substitute a 1 1/2 per cent net business tax for the personal property tax on merchandise inventory.

Several witnesses opposed the bill, which was approved by the House 50-10 last Saturday.

so the studies can be continued. Sens. James Murray (D-Mont.) and Carl Hayden (D-Ariz.) will back the request with a staff report from the Senate Insular and Interior Affairs Committee estimating that at least 11.5-million acre feet of water is lost yearly to evaporation in the 11 Western States.
A tiny film of "fat" may stop it.

Small But Vital Air Force Cog Located in Busy Tulsa Street

Tulsa, Okla.—UPI—One of the smallest—and yet most vital—cogs in one of the world's biggest machines is located in Tulsa. Without this little cog, the mighty U. S. Air Force would slowly come to a standstill.

Located on a busy street and looking like any one of hundreds of small office buildings nearby is the Air Force Transceiver Control Center, the only one like it in the world.

Hundreds of Lines
Into the center come hundreds of telephone lines from Air Force bases, supply points and commercial manufacturers all over the world. Through it pass all Air Force supply requisitions—from tiny cotter pins to giant aircraft engines.

Watching over this most crucial operation is a civilian—J. D. (Jerry) Havnen, 39, a former officer. So important

is the center to the Air Force, however, that Havnen is one of the few civilians to have the title of "officer-in-charge" and he operates directly under Maj. Gen. Thomas P. Gerity, commander of the Oklahoma City Air Material Command.

Geographic Center Inspection Delayed

La Grande—UPI—A planned trip to the geographical center of the United States by W. Holmes, president of the California firm that calculated the center, was delayed when it was discovered that the site is located in a steep canyon. It is 6000 feet of snow, at a 6000-foot elevation and at least three miles from the nearest road.

Holmes, by telephone from San Carlos, Calif., said he would arrive here Monday to attend the sale of Pondosa, Ore., by the Valsetz Lumber Co.

The small timber town is being auctioned off and slowly evacuated due to a closure of the lumber mill.

In an average day, the center might receive, sort and send a quarter of a million cards. The record for one day was 328,000 cards.

"It might help to understand our operation if I gave an example," Havnen said.

"Let's say Henada Air Force Base in Japan needs a monkey wrench. They'll radio the request to Hickam Field in Hawaii, where it's relayed via the undersea cable to Sacramento, Calif. At Sacramento (McClellan AFB) they punch a card and send the data to us. We automatically punch another card and telegraph the data to Gadsden, Ala., Air Force Depot.

Writes Information
"Gadsden looks in its warehouse, finds a monkey wrench, ships it and wires confirmation which goes back the same route it came."

Such high-priority requests as missiles go through in minutes. The monkey wrench order might have to wait its turn. "You could order everything from lumber to medical supplies over this system, and even live animals, but I don't remember any animals ever being requisitioned," said Havnen.

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Mrs. Bertha Jorgensen of Portland won Pillsbury's 7th Grand National Bake-Off with her mouth-watering rolls... "Ring-A-Lings"



Mrs. Bertha Jorgensen of 1724 S.E. Stark Street, Portland is seen here receiving congratulations from Art Linkletter, the M.C. at all the past ten Pillsbury Bake-Offs.

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...all ten of the \$25,000 grand prize winning recipes from Pillsbury's 10 Bake-Offs.

Vote for your favorite of these 10 Grand Prize Winning recipes in Pillsbury's \$87,000 Blue Ribbon Sweepstakes. Get free entry blanks at your grocer's in specially-marked sacks of Pillsbury's BEST Flour.



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WIN A FREE EVENFLO FEEDING SET (32 Pieces)
Nothing To Buy JUST COME IN AND ENTER YOUR NAME

Garnation Evaporated Milk
6 TALL TINS **85c**

BETTY CROCKER LEMON CUSTARD ANGEL FOOD CAKE MIX
39c PKG.

NIBLETS CORN AND MEXICORN
5 12-OZ. TINS **89c**

SNOW'S ORIGINAL Clam Chowder
4 LARGE TINS **\$1.00**

FRESH "PIXIE" MARSHMALLOWS
2 LARGE 10-OZ. BAGS **39c**

"Mission" Combination Sale
14-oz. Elbow Macaroni — AND — 14-oz. Long Spaghetti **39c** BOTH FOR

HORMEL CHILI Jumbo 1 1/2-lb. Tin **49c**

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LAMB STEAKS **69c** lb. **LAMB STEW** (Breast) **10c** lb.

RIB LAMB CHOPS **98c** lb.

CENTER LOIN CHOPS (Well Trimmed) **\$1.49** lb.

LAMB SHANKS **49c** lb.

ROMAINE AND RED LEAF LETTUCE
3 HEADS 29c

CRISP, SOLID CABBAGE
5 LB.

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