

REVISED GOLD HILL SEWAGE PLANT 'AMONG STATE'S BEST'

Plant's Efficiency Increases 600 Pct. Following Revision

Average Daily Total About 44,000 Gallons

Gold Hill — The revised sewage plant at Gold Hill which has been in operation since May is described by Councilman Milton Steinmetz as being as "good as any plant in the state."

He based his statement on efficiency tests which show that the total plant efficiency has increased 600 per cent since it was revised to meet with state standards.

The cost of the improvements will be about \$6,000, according to Ferd Jones, city recorder, when a new set of distributing arms over the gravel filtering tank is installed in August, which will complete the scheduled improvements.

A little work was done on the improvements in December with the major work being completed from January to May, Jones explained. The new additions (see pictures) include a grit chamber and comminutor trough into which the sewage first passes from the main; a Kennison nozzle with flow meter to show operation through the system; a system of weirs between the settling basin and dosing chamber; and in a final system of weirs in the secondary settling basin before entry into Rogue river.

The weirs, which are scientifically designed to allow only a thin film of water to pass over the edges into a trough leading to the dosing chamber for one set and into the river on the other, are the key to the plant's efficiency, according to Steinmetz. He said that the actual weir area of the main system between the dosing chamber and settling basin has been increased 384 per cent, while the increase of the other weir area is 216 per cent. This increase of water passage in a thin film allows more material to settle making the filtering process more accurate, according to the councilman.

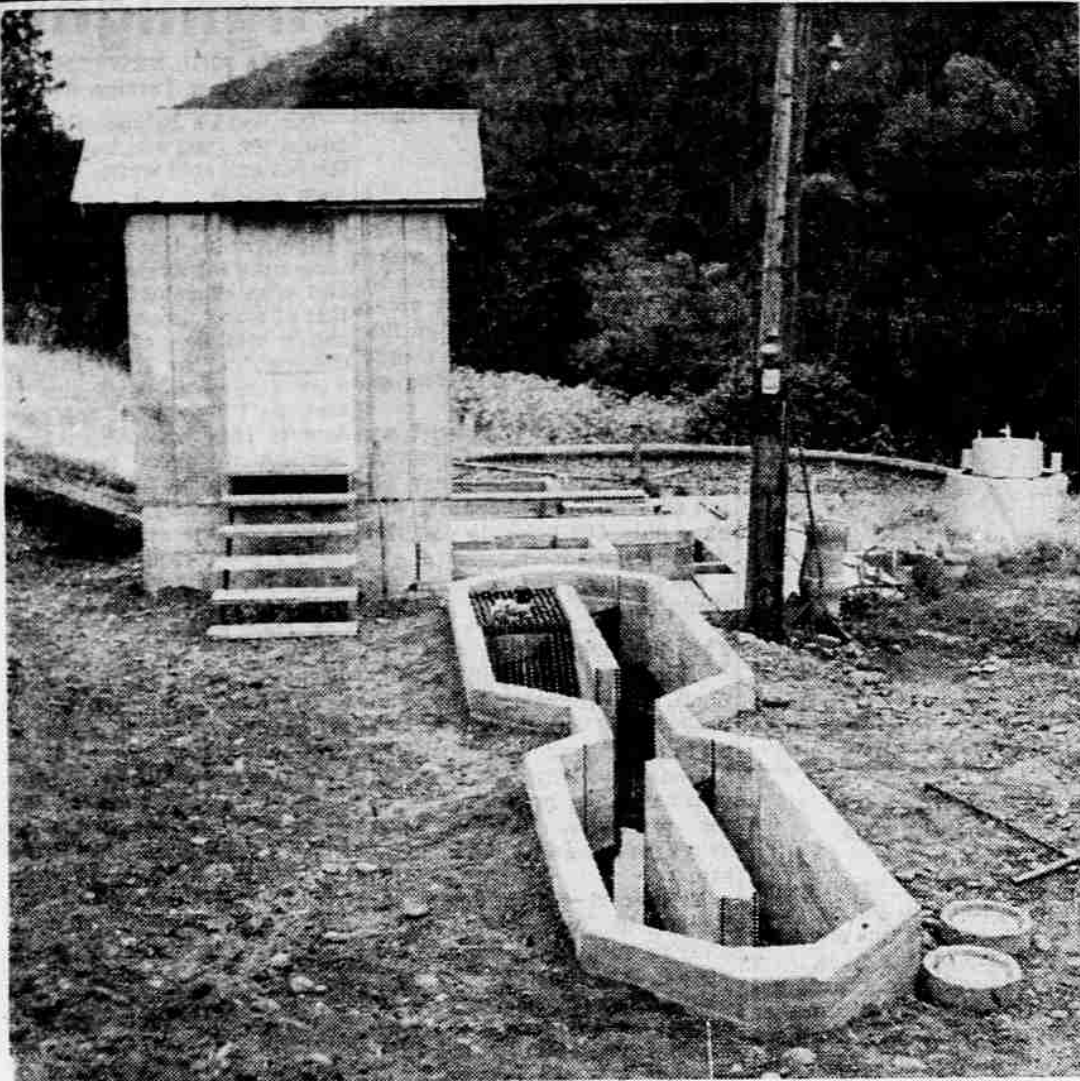
The average daily gallonage is about 44,000 gallons, according to the new flow meter.

The process of purification begins with entrance from the main into the grit chamber and comminutor trough, the latter to house a grinding unit at a later date. The flow is then directed through a Kennison nozzle where the amount of sewage is measured by a flow meter.

The next unit is the settling basin where the solids are taken off into a digesting unit which breaks them up by chemical action and returns the liquid to the settling chamber and excess residue into an open sludge bed for removal every 90 days. The liquid from the settling chamber is passed over into the dosing chamber after it has gone through the weir process. From there, the liquid is sprinkled over a large gravel filtering tank, six-feet deep by means of a rotating set of arms.

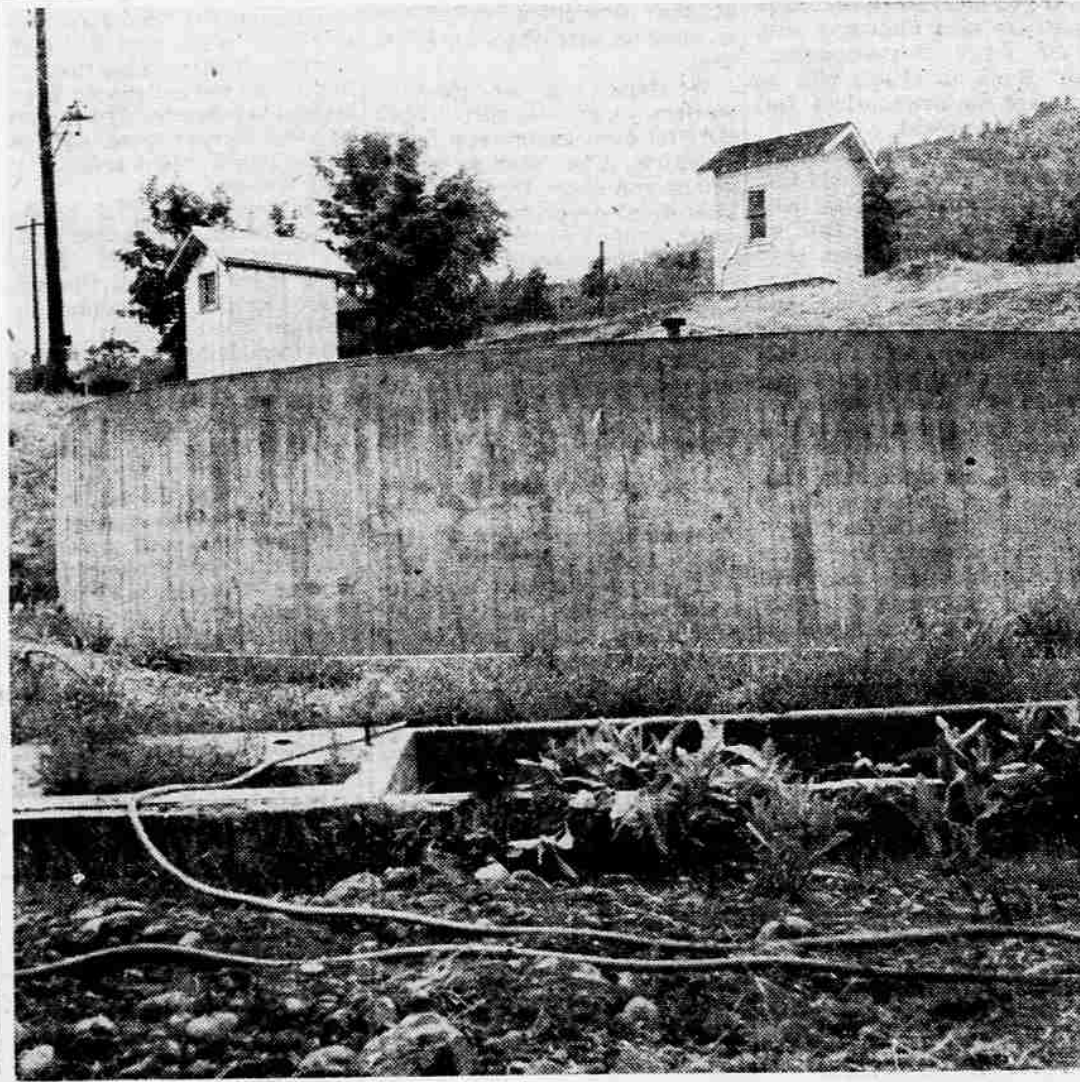
After the liquid is sifted through the gravel tank, it passes off into the secondary settling basin via weirs and thence to the Rogue river.

Salem — (U.P.) — The state of Oregon collected \$63,970,602.08 in the first 11 months of the fiscal year which ends June 30, State Tax Commission Chairman Ray Smith said Friday.



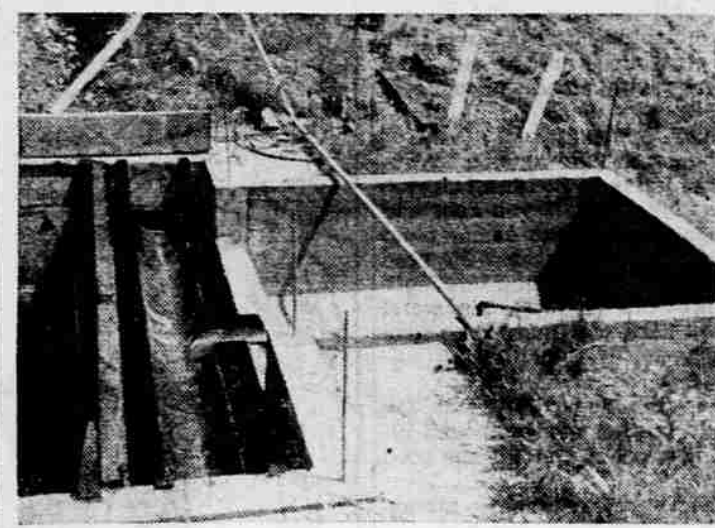
NEW INSTALLATIONS—Shown above are part of the new installations of the improved Gold Hill sewage system. Pictured right foreground are the grit chamber (first section) and comminutor trough (grating) which is made to house a grinding unit not yet purchased. Just beyond the end of the comminutor trough is the installation for the Kennison nozzle (not visible) which the flow meter is connected with. The meter is housed inside the structure on

the left, which includes a cement-lined basement for holding meter parts and pipe connections. Beyond the structure are the old settling basin, dosing chambers, and gravel filtering tank. At the far right is the top of the old digesting chamber where the solids are broken up by chemical action with the remaining residue passed out into a sludge bed and liquid returned to settling chamber where it is originally drawn from.

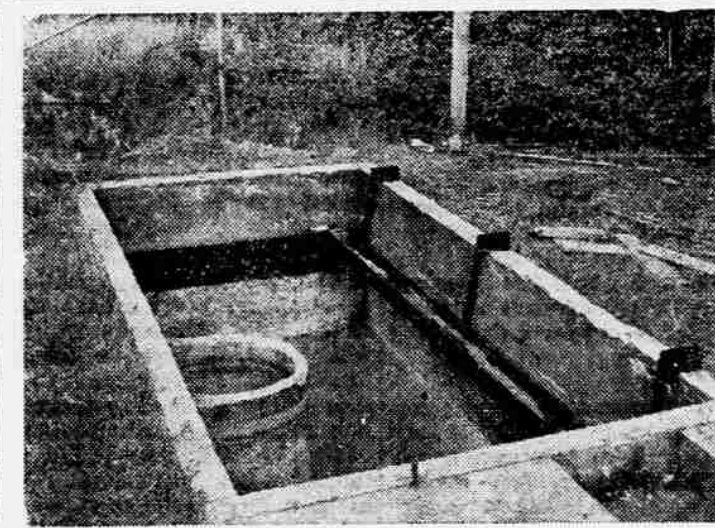


FINAL PROCESS—Pictured above are the last two processes of the Gold Hill sewage plant. The concrete tank wall in the center of the picture is part of a six-foot deep gravel filtering tank which empties into the secondary basin in the foreground, the last settling basin before entry into the Rogue River. Only liquid is handled in these two units with a sprinkling

device from rotating arms entering the tank from above. Pictured upper left is the house containing the flow meter to record the gallonage passing through the plant, while the structure at upper right is the chlorination house which is used to purify the water before entry into Rogue River.



EFFICIENCY FACTOR—Shown above is the main set of weirs in the Gold Hill sewage plant which have an increased efficiency area over the old ones of 384 per cent. They are located between the settling chamber and dosing unit and are so designed that only a very thin film of water passes over their edges on both sides of the trough keeping the maximum amount possible of sediment from passing into the next process. The weirs work on hydrodynamic principles and control the amount of water passing over their edges.



LAST PROCESS—Above is the secondary settling basin of the sewage plant at Gold Hill, the last process before entry of the purified liquid into Rogue River. The water enters the round foam bin at left center and the weirs (metal troughs on chamber's side) allow only a thin film of water to flow over their edges. These weirs are new and have an increased area over the old set of 216 per cent.

Alaska Governor Requests Shipping

Seattle — (U.P.) — Alaska Gov. Ernest Gruening called on President Truman Saturday asking that civilian cargoes be sent north aboard military ships.

Governor Gruening arrived in Seattle from Alaska Friday on his way to the Governor's Conference in Houston, Texas. He said he is worried over Alaska's plight as a result of the shipping strike and said he is puzzled as to why it has not been settled.

In a telegram to presidential assistant John R. Steelman, Gruening said his action in asking for military vessels to transport cargo is "clearly indicated in the national interest, for Alaska's economy and to prevent further suffering."

Gruening said the shipping shutdown coming at the height of Alaska's short construction season has interrupted defense time schedules.

Local Man Elected By Telephone Men

D. O. Hood, 29 Windsor avenue, was named a director of the Oregon Independent Telephone association at its annual general meeting last week in Spokane, Wash. Hood is affiliated with the Central Point Mutual Telephone company.

Theodore J. Wells, manager of the Northwest Telephone company in Redmond, was elected president of the association. Other newly elected officers are John Dillard, Nehalem Telephone and Telegraph company, vice-president, and Leslie A. Gritten, West Coast Telephone company, secretary-treasurer.

The meeting of the Oregon association was held following a joint convention of the Oregon - Washington Independent Telephone association.

Dead line Sunday Classifieds is at noon Saturdays.

Brooklyn Police Seek Gun Used in Murder

New York — (U.P.) — Police began a house to house search Saturday for the gun used to kill a young Brooklyn rabbi as he returned from an evening of prayer in a synagogue.

The body of Rabbi Samuel B. London, 23, was found on a park path in the Greenpoint section of Brooklyn Friday. An autopsy disclosed he died of a single .22 gunshot wound in the head.

The police were hunting for a sniper or the owner of a .22 rifle who may have been target shooting and accidentally killed the young man. They ruled out robbery as a motive because London's wristwatch and wallet were untouched.

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Strange Names Used For Clipper Vessels

Boston (U.P.)—Owners of the famed clipper ships of a century ago reached to strange places for names for their vessels, according to information compiled by the State Street Trust Co.

A booklet on the subject shows that some ship owners favored names associated with the sea such as Ocean Eagle, Sea Nymph, Flying Scud, Sea Witch and Dashing Wave.

Others picked fictional or mythological characters such as Hamlet, Orpheus and Galatea. Still others favored American heroes, including David Crockett, Andrew Jackson, General Grant and Winfield Scott.

Also honored were Harvey Birch, a revolutionary War spy made famous in the novel of James Fenimore Cooper; Pocahontas, Garibaldi, Solomon and King Philip, the Indian chief.

Daniel Webster, described as "The Defender of the Constitution and expounder of the same," was honored by a vessel named The Expounder.

Animals were represented by the Flora Temple, a vessel named for the trotting mare which won 92 out of 100 races. A tiny animal with a clipped tail, Flora Temple was believed the inspiration of the line, "I'll bet my money on the bob-tailed mare."

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