

In England they pump waste into the North Sea, which affects the fisheries on the Grand Banks. The Japanese, hired the Pritchard Bros. to make some studies for them. They found upwellings of water where they didn't expect them. They completely disassociated themselves from it and will not allow the deposits of wastes.

At this time no one knows how much of the ocean is contaminated, but there is an indication that a great deal of work has to be done in this field.

Mr. WARNE. The ocean certainly requires additional study.

Mr. VIVIAN. Are there any Federal control water pollution laboratories in California?

Mr. WARNE. No.

Mr. VIVIAN. None as of yet. I thought there was one.

Mr. WARNE. We would like to have one there.

Mr. VIVIAN. To the best of my knowledge there is an existing program for the construction of Federal water pollution laboratories in several areas of the country.

Mr. WARNE. Yes.

Mr. VIVIAN. We are anticipating the construction of one very shortly in my own home city. It seems one of these laboratories would be concerned with the problems of the ocean.

Mr. WARNE. We have thought that one oriented to the ocean and the coastal areas of our southern California would be a very valuable adjunct to the present program of the water pollution agency. There's one at Ada, Okla. There is one at Corvallis, Oreg. There is none in California.

Gravel quarries and borrow pits from which fill materials have been excavated can be used for disposal of certain types of solid wastes. When filled, these areas can be placed back into desirable use for golf courses, parks, and similar types of development. The effect of filling these quarries with decomposable materials, however, has given us some cause for alarm. We already have encountered ground water pollution problems resulting from the downward movement of gases from decomposing materials deposited in alluvial areas and the adsorption of these gases into the underground water. These are in addition to the usual problems of differential settlement, gas, and odors associated with operations of this type.

Problems of solid-waste disposal have become of great concern in California where much of our population virtually lives on the leaky roof of its own water supply. Several years ago, at the request of Gov. Edmund G. Brown, representatives of the aerospace industry were called upon to make a study and to report upon the problems of solid-waste disposal in California.

The Governor recently appointed an interdepartmental task force on waste management to consider the recommendations made in the aerospace report, and to develop a long-range plan for solid-waste management. The committee is now considering the various alternatives and is scheduled to report to the Governor in the near future.

I suggest that your committee might find the problems of solid-waste disposal a fruitful area for further study.

And, in summary, during this, the first part of my presentation, I have brought to your attention a number of areas where we need more