METEOROLOGY

Report on Audrey

➤ THE WEATHER BUREAU does not evacuate people from areas threatened by a hurricane, the agency made clear in a preliminary report on Hurricane Audrey, the disastrous tropical storm that smashed into the Texas and Louisiana coast on June 27.

The Weather Bureau is responsible for issuing warnings of hurricanes approaching the U.S. mainland, and local offices work closely with Government and Civil Defense officials, police, Red Cross and others in advising as to precautionary measures necessary to protect life and property.

Because of the more than 450 lives lost and the extremely heavy property loss, private citizens and some law-makers have claimed the Weather Bureau did not give sufficient warning on Audrey.

A re-reading of the hurricane forecasts for the week shows this claim is not true. If the advisories and bulletins had been heeded, it is probable that many persons, particularly in the Cameron, La., area that was hit with a 10.6-foot wall of water, would not have died.

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The Weather Bureau's preliminary report does not say this, of course, but lets the record speak for itself.

At 10 a.m., CST, Wednesday, June 26, some 22 hours before Audrey's center crossed the coast, the New Orleans Weather Bureau issued hurricane warnings for the entire Louisiana coast and for the Texas coast as far south as Galveston. A hurricane warning means the area will feel the storm's full effects and all precautions should be taken immediately. This advisory also warned of gales and rising tides, advising all persons in low, exposed places to move to higher ground.

Although no official reports of the highest winds were received from the areas exposed to the storm's full fury, the damage near Cameron indicated winds in excess of 100 miles an hour near Audrey's center as it passed inland.

The center, or "eye," of a hurricane rarely kills anyone. Destructive winds begin at the edge of this relatively calm eye and extend outward far in advance of the storm center. Although the high winds blow over trees and houses and tear down power lines, the greatest loss of life occurs from drowning.

As a hurricane moves forward, it often piles up huge waves that cut off or completely cover low-lying coastal areas.

This is why Weather Bureau hurricane warnings always emphasize the danger of high tides.

The preliminary report clearly shows the warnings on Audrey pointed to the high-tide danger and urged evacuation of low-lying areas.

Science News Letter, July 27, 1957

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by A. H. Russell

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