

KNOW YOUR BONNEVILLE DAM

In an effort to educate the people of the dam area on some of the more general points of the Bonneville Dam, The Bonneville Dam Chronicle, by special permission of the United States Army Engineers, is printing a series of articles written by the engineers about the Bonneville Dam. This is the second article. The series is brief, but contains a great deal of information. Each week a different phase will be taken up. If any of the readers have any questions regarding the dam, the Chronicle will be glad to endeavor to secure the answer and publish both.

Bonneville was selected as the site of the first dam of the series on the lower section of the Columbia River. At the site chosen the Columbia River flows westerly in two channels separated by Bradford Island. The dam is located in the north or main channel and the powerhouse and navigation lock in the south channel, called Bradford Slough. An earth levee across Bradford Island connects the dam and powerhouse.

The bedrock under the principal structures is a sedimentary deposit of volcanic ash largely intermixed with pebbles and rock fragments of all sizes and is locally

known as Eagle Creek formation. The dam rests directly on the Eagle Creek formation, which was found to be of suitable character for the type of structure required. A mushroom-shaped intrusion of andesitic lava of high quality but quite limited in extent forms the foundation for the lock and powerhouse. There is a heavy forest cover in the area, the principal species being Douglas fir. The Union Pacific Railroad and the Columbia River Highway pass the site on the Oregon side and the Spokane, Portland and Seattle Railway and the Evergreen Highway pass on the Washington shore.

The dam, across the main channel, is a concrete gravity section above which rise reinforced concrete piers spaced 60 feet apart. The eighteen gate openings are each 50 feet wide and the piers 10 feet thick, making the length of the dam proper, 1,090 feet. The width at the base is 200 feet and the height above the lowest foundation about 170 feet. The elevation of the gate sills on the crest of the spillway is plus 24 feet and the normal pool elevation is plus 72 feet. A service roadway at elevation plus 97 surmounts the piers. A reinforced concrete cut-off wall extends into the bank and a concrete counterfort wall protects the upstream bank at each abutment.

HOT AND DRY

Since Wednesday of last week the weather conditions have been the kind that make the forest service

men sit on the edge of their chairs and pray for rain.

High temperatures with low humidity make fire conditions acute. At the Parkdale Ranger Station,

Stanley Walters reports the temperature has been reaching 93 and 94 every day for the past week while the humidity has been down to 16 in the valley and 14 on Mill Creek Ridge. For the past week it has seldom been above 25.

Ranger Roy Weeman at the Columbia Gorge station at Herman Creek reports the temperature getting up to around 90 and the humidity down to around 23.

BONNEVILLE ENGINEERS TO PLAY PORTLAND ALL-STARS

In a ball game that will be a real ball game, the Bonneville Engineers will tangle bats Sunday afternoon at one o'clock with an All-Star team from Portland on the Bonneville field.

This is the second encounter of the two teams. The first one being taken by the Portland men. The visitors are from many different teams in the Portland league and are just about as good as they come in Northwest softball world.

CCC GROUP FETED

The merchants of Cascade Locks in appreciation of the company of CCC boys now stationed at Wyeth are Saturday night sponsoring a free dance, open to the general public at the Dugout dance floor in Cascade Locks.

The present group of men now stationed at Wyeth are, in the opinion of the merchants, the finest group to be stationed near Cascade Locks. No admission will be charged and the dance will be open to the public. The merchants are particularly anxious to have as many ladies present as possible.

NEED MORE MEETINGS

The City Council of Cascade Locks as the result of a resolution passed last week will meet every Monday until further notice.

The action was taken due to the amount of business necessary to be transacted in the getting under way of the new municipal power system.

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an attractive shop located in the Jack Flaucher house, just east of the Tavern. The house is being made over so as to accommodate the shop and a kitchen is also being added which has nothing to do with the barber shop but will held Mrs. Long keep house. The Flauchers are moving into the house formerly occupied by the Hattons.

NEW RECREATION CENTER

A new men's recreation center is making its appearance in Cascade Locks this week with the opening of George LaMonte's place in the Silver Perras building.

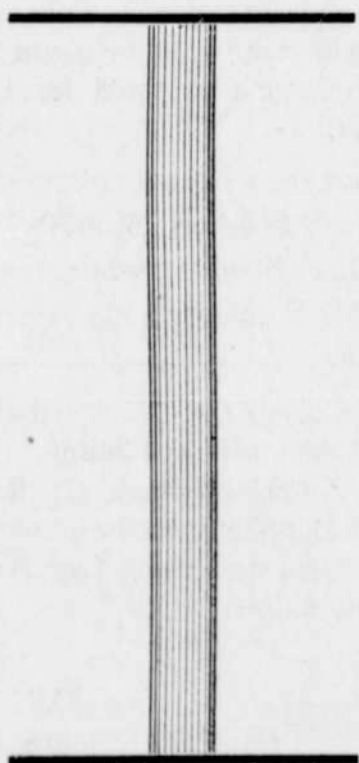
George expects to have the place ready for business before very long.

NEW QUARTERS FOR MIKE

Mike Long is moving to a bigger and better location in Cascade Locks. The popular Locks barber is moving from the location he has occupied for the past three years to

FOR SALE—1937 eleven-tube Airline Radio, a real buy, only \$25. See Oscar Hyde at the Men's Store in Cascade Locks. 7-18-26*

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