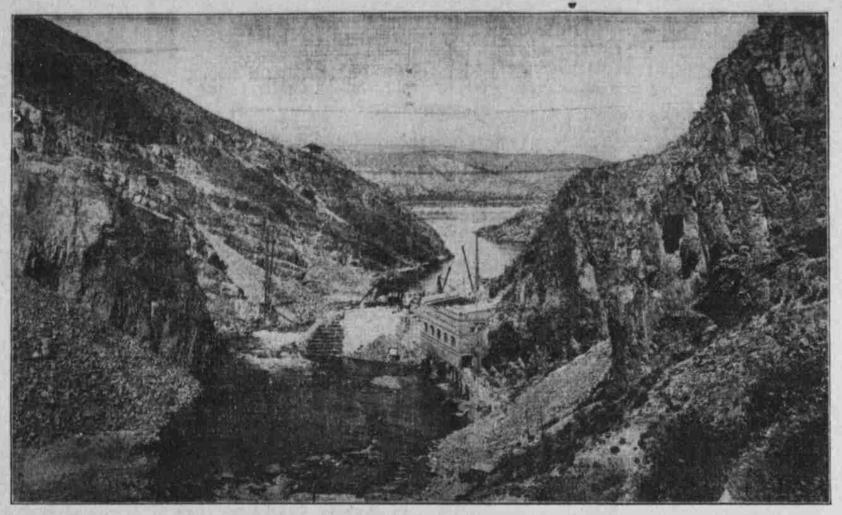
THE GOVERNMENT'S LARGEST IRRIGATION PROJECT IS IN THE SALT RIVER VALLEY OF ARIZONA

BY LLOYD C. THOMAS



Roosevelt Dam, 70 miles from Phoenix. This picture shows the dam just after construction was begun. Electric power house is at the right of the picture.

The Salt River Valley has many construction of this immense data are natural conditions that offer an important conditions are conditions. Six to seven inches the average rather per acressing the conditions of the long had. Lime is burned, bricks made, a sawmill furnishes lumber, and a cement mill furnishes which Nature did not. Here we find the conditions that offer an important condition that offer an important condition that offer an important conditions that offer an important condition that offer an important thousands of acres of land which is a bare desert without water but with the and automobile road was constructed application of water it becomes marvel.

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The data of the data o ously productive with an ideal climate trom Mesa, not far from Phoenix, to more prostrating and dangerous than the dam, at a cost of \$300,000. which is the Salt River. This river at the season of greatest need is but a meager stream; at other seasons, from the present time only ence? The absence of humidity in the family. All laborers, whether skilled

to be stored in the reservoir and the source of expense.

magnitude of the undertaking.
In 1902 the Reclamation Act was passed, and soon after the work on the passed, and soon after the work on the project was began. Briefly, the scheme was this: Seventy-five miles up the salt River auswers given to be correct. Salt River and just below its junction with Tonto Creek, build a masonery dam, arched upstream, 276 feet high above bedrock, 700 feet long on top, and containing 326,000 cubic varies of masonery, thus forming a reservoir twenty-five miles in area, to contain water sufficient to cover 1,284,000 acres, one foot deep. The water so stored to be released as needed, to flow down the old river channel, and on reaching land. the irrigable land to be turned into the irrigating ditches by a low diversion dam, to generate power at the dam and transmit it to the Valley for use in pumping water to irrigate more

The site of the reservoir dam was inaccessible from Phoenix, save over the the last of this year. 1910 roughest of trails, so men and material were first brought from Globe, forty miles, over a road none of the best. As canal was built nineteen miles above weather is warm. the dam site and it conveys 250 cubic feet of water per secon i to a point just below the dam, where a drop of 220 perienced is about 32 degrees above feet is obtained. On the line of this zero. capal are twenty-one tunnels, two innels were lined, and the other structures all built of concrete.

Most of the materials needed in the heat? About 87 7 degrees

its steep, bare watershed sweep floods which not only could not be utilized, but which frequently destroyed the casual and insufficient irrigating works first constructed.

It was a simple idea to save these towns of the near by mining regions of this power to the near by mining regions and described described and the near by mining regions of this power to to be found that the present time only case? The absence of humidity in the sample in the family. All laborers, whether skilled or unskilled, can find steady employmentation of the water per arms to towns in the near by mining regions to be developed on the project, in all per acre.

It was a simple idea to save these towns in the near by mining regions of this power to to be feet down. Nelves by and the present time only ence? The absence of humidity in the sample or unskilled, can find steady employmentation or unskilled.

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It was a simple idea to save these towns and the present time only ence? The absence of humidity in the sample or unskilled or unsk It was a simple idea to save these flood waters which came down the river when least needed but to the ordinary person or combination of men this would have appeared impossible because of the large amount of money needed to construct the storage dam to hold this flood water. It is difficult to imagine the immense amount of water to be stored in the reservoir and the source of expense.

towns in the near by mining regions domestic purposes? From wells from 18 to 100 feet deep.

16. How about the market? This valley supplies the Arlzona towns and mining camps, also California and east-cern cities.

17. Is it profitable to keep bees? Yes, this is a very profitable business, and carloads of honey are shipped out of the valley every year.

The following questions are asked many times regarding the Sait River

confluence of the Salt and Gila.

How large is the Salt River Valley? The Valley, proper, is about 50 miles in length by 15 miles in width. containing about 750 square miles, aggregating about a half million acres of

cultivation? About 19,1000 acres,

is completed? About 250,000 acres.

6. How is the climate of the Salt River valley? Climate is mild. From September to June the colmate is de- and oil electric power was needed a power lightful. From June to September the

s. What is the highest summer temverted siphons to carry the canal under perature? On one occasion within we have good roads to market, good cross canyons, many culverts, waste twenty years, by U. S. Weather Bureau schools for the children, free rural degates and other structures. The tun- record, the thermometer has gone as divery, and telephone connection all high as 117 degrees.

9. What is the average summer

the highest temperature experienced to Sait River Valley? The valley needs

ten to twenty.

but relinquishments can be purchased on land that will have water as soon as the project is completed.

How would a new settler procure a home? some one who owns more than he them call on him when in the valley,

22. Where can one purchase a small How much of this land is now in tract for a home, a large tract for in- of the valley than I have given before, vestment, or Phoenix property? There 4 How much will be irrigated when are many reliable real estate firms in the Roosevelt dam or Salt River project Phoenix, among them being the Dick Erdmans Real Estate & Investment When will the Roosevelt dam be Co., 42-44 North First Street. Phoenix. finished? It ought to be finished by They are always glad to answer inquiries or show Salt River Valley

offer to the farmer over other sections? 7. What is the lowest temperature With 82 per cent of sunny days, it is in winter? The lowest usually expossible for laborers to work out doors nearly every day in the year; the great and Miss Maggie King, a sister of the yield for the labor bestowed, and good bride, as bridesmard. prices for crops. In addition to this over the valley

Salt River project, including the est congrafulations.

What is the greatest need of the

raisers can make money here on small

28. Are there any settlers in the Salt River Valley from Nebraska and of the valley every year.

18. How are the roads? Excellent the writer was shown over the farm orchard. On a recent visit to his home the year round, and kept well graded, which is certainly a desirable place.

19. How many acres of land are He has good blooded stock, cattle, necessary to support a family? From hogs, horses and fowls, and he emphatically states that he wouldn't believe he could stand it to live in the land of wind, dust, ice and snow. Howard inquired about many of his friends and acquaintances in Nebraska By purchasing from and said that he would be glad to have In my next article I will give a more

complete description of the industries Phoenix, Arizona, April 20, 1910.

Phoenix, Arizona, April 20, 1910.

King-Murphy

Married at Holy Rosary church, Sunday, April 24, 1910, at 7 p. m., James P. Murphy, to Miss Ellen King, both 25. What advantage does this valley of Angora, Fr. McNamara performing the ceremony. The couple were attended by Mr. Oza Black as best man

They will make their home on the ranch of the groom near Lakeside. It is a pleasure to chronicle the marriage of such worths young people What will be the cost of the and this paper walts to them its warm

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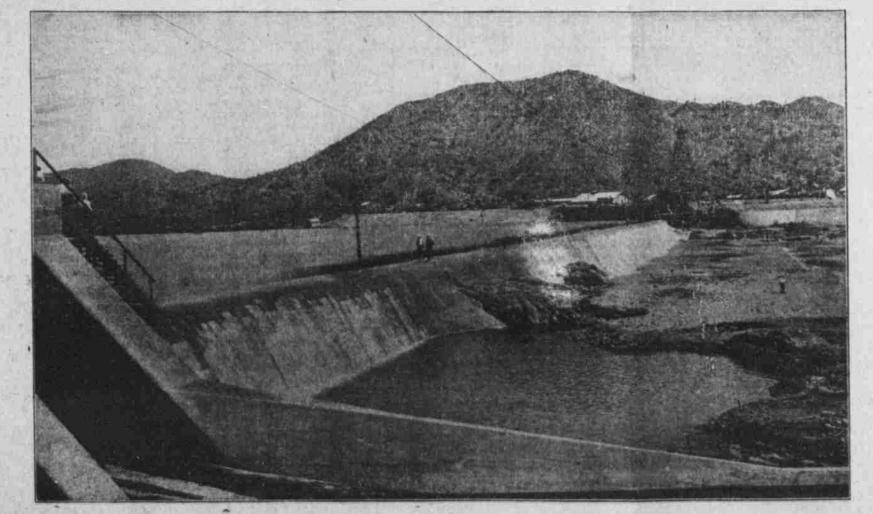
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Granite Reef Diversion Dam on Sait River, 28 miles from Phoenix. The water coming down the river from Roosevelt reservoir is here diverted into canals on both sides of the river and distributed over the valley, covering 259,000 acres.



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