

REPORT ISSUED ON RIVERS' FLOW

Government Compiles Report Regarding All Streams in Northwest Which Empty Into the Pacific Ocean.

A report on the flow of rivers of the northwest that empty into the Pacific Ocean has just been published by the United States Geological Survey as Water Supply Paper 252. These streams are in Washington, Oregon, Idaho and northwestern Montana.

State and Nation Cooperate in Work.

The work in Oregon has been done in co-operation with the state. The legislature began cooperation in 1905 by appropriating \$2,500 for the purpose and has appropriated this sum from year to year ever since. The state engineer, John H. Lewis, has represented the state in this work. A large part of it especially that in the Yakima river basin in Washington and in the Snake River basin in Idaho, is paid for by the United States Reclamation service. Assistance has been rendered by the United States Weather Bureau and the United States Engineer Corps.

Value of Stream Gaugings.

The measurement of river flow to determining the amount of surface water available for navigation, water available for navigation, water irrigation has been for many years a part of the work of the Geological Survey. The great irrigation projects of the West had their inception in the survey over twenty years ago, by initiative and the personality of Director John W. Powell; and the work of draining swamp lands, if undertaken, will enlist the aid of the government's topographers and hydrographers.

Eighty-three Streams Measured

The report just published gives records of flow at 127 gaging stations on 83 rivers and creeks; also records of the stage of water on four lakes. The streams measured differ greatly in size, ranging from small creeks on the Flathead Indian Reservation in Montana to large rivers, including the Columbia. These streams drain areas of widely different character as may be seen by comparing the barren deserts of Central Oregon with the heavily forested slopes of the Cascades and Coast ranges, where the annual rainfall in some places exceed 100 inches.

Irrigation in the Region

In the region considered in this report the United States Reclamation Service has seven projects under construction, covering an irrigable area of 776,000 acres, and has eight projects under consideration. Private capital is developing at least twelve projects under the authority of the Carey act, the largest, the Twin Falls project, covering an area of nearly half million acres. About 1,500,000 acres of land are under irrigation in the northwest and this area will be more than doubled when the projects now under way are completed. The success of all these projects depend primarily on the adequacy of their water supply.

Water Power

The water power available in this region is very great. The streams draining into the north Pacific ocean will furnish at low water over 12 million horsepower—one third of the total of the United States.

Some Long Records

Most of the records of stream gaging given in these reports cover only 1907 and 1908, but records at Clark Fork, at Newport, Washington, just below Lake Pend Orielle, cover six years; here on Willamette river at Albany, Oregon, cover eighteen years, those on Columbia river at The Dalles, Oregon, cover thirty years.

The Columbia is the largest river whose discharge has been computed by the Geological Survey and the record at The Dalles is the lowest on the report. In view of the importance of long records in a general study of run off and stream flow this record will be of great value to the engineers of the country.

Flood Flows of the Columbia.

The maximum flood of the Columbia occurred in June, 1894, when the crest discharge at The Dalles was 1,380,000 second-feet—above the maximum discharge of the Ohio at Paducah and nearly the maximum recorded flow of the Mississippi below all its largest tributaries. The period of low water is in December and January. The lowest discharge on record—48,500 second-feet—occurred in January, 1888.

The damage by floods in the United States exceed \$100,000,000 annually and any project of stream control must be based on an accurate knowledge of stream flow.

The report just published covers 419 pages and can be had without charge by applying to the Director of the Survey at Washington.

UNCLE SAM SOON TO PLAY AT WAR

Entire Military Strength of the Country to Be Mobilized and With the Militia of Various States to Wage War.

WASHINGTON, March 18.—Practically the entire military strength of the nation will be under arms and "playing at war" during the month of July, August and September, according to the plans of the War Department for the joint maneuvers of the regular army and the militia to be held at the ten big camps of instruction. The war program, as just announced, will place every regular command in the field and only property guards will be left at the posts. The regular forces in the military districts, including every arm of the service will be utilized with the militia from the contiguous states and the citizen soldiers will be instructed in all the field duties of the soldier from "policing camp" to "battle problems".

The guard organization will be organized as follows: The citizen soldiers of Ohio, Kentucky, Indiana, Michigan, Illinois and West Virginia will join the regulars at Fort Ben Harrison at Indianapolis early in September; The Texas organizations will pitch camp at Leon Springs, Texas, August 15; The Kansas, Missouri, Iowa, and Minnesota regiments will mobilize at Ft. Riley, Kansas, during August; the Colorado and Utah together with the Wyoming and South Dakota regiments will assemble at Ft. D. A. Russell, Wyoming in July; at American Lake, Washington the Montana, North Dakota, the Department of Columbia, July 20; at Atascadero, California, California, the Arizona, Nevada and California regiments will assemble during August; the Wisconsin guard will go into camp at Sparta, Wisconsin, September 6 and the Iowa and Minnesota regiments may be diverted from Fort Riley to this camp; the new government maneuver grounds at Pine Camp, New York will be used by Maine, New Hampshire, Vermont New York, Connecticut and Rhode Island troops; the North Carolina, South Carolina, Alabama, Florida, Georgia, Mississippi and Tennessee regiments will occupy the camp at Chickamauga used during the Spanish War assembly, early in July. The date and place for the mobilization of the Pennsylvania, Maryland, Delaware New Jersey, Virginia and the District of Columbia has not as yet been definitely set.

At every camp the regulars form the military district in which the camp is situated will remain in the field for one month and will receive one month of instruction. The maneuvers are expected to arouse popular interest in the military arm of the government.

TO INCREASE SIZE OF MONSTER BATTLESHIPS

LONDON, Mar. 18.—According to Rear Admiral Bacon today, battleships to be built in the near future will be nearly fifty per cent larger than the monster fighting vessels of the present.

Rear Admiral Bacon, who was the commander of the first Dreadnought of the English navy, stated further that the enlargement of the ships and the power of their guns must necessarily increase until war confirms or modifies the theory of naval construction.

CURED WITHOUT A KNIFE.

About eight years ago, after having consulted several physicians who failed to cure my wife, I called in Dr. Hing, Chinese Physician, 725 J street, Sacramento. After making an examination he pronounced it a case of abcess of the bowels, for which he successfully accomplished a cure without a knife. About a year ago he also treated her for heart trouble, with which he had the same success. Some time back he cured me of a case of kidney trouble. Anybody wanting any references can address me at 528 Oak avenue, or Antelope, Sacramento county.

T. J. ATWOOD.
January 8th, 1910.

SUMMER EXCURSIONS EAST.

The Southern Pacific company will sell excursion tickets to eastern points at reduced rates on the following dates: May 2d and 9th, June 2d and 17th and 24th, July 5th and 22d, August 3d and September 8th, going limit ten days, total limits 90 days. Rates to Missouri River points and return \$69.90; to Chicago and return, \$82.40. For further information call at local ticket office or address A. S. Rosenbaum, Local Agent Southern Pacific Co.

Haskins for Health.

Notice to Real Estate Dealers.

All parties having my property listed are hereby notified to cancel same from their list.
310 C. F. HIGINBOTHAM.

EMPLOYMENT AND BUSINESS CHANCES

FOR SALE OR TRADE.
Equity in 15 acres irrigated land in California.

10 acres in 6-year-old vineyard in California.

60 acres, 7 miles from Medford.

FOR SALE.

40 acres near Woodville; a snap.

20 acres, planted to trees, 2 1/2 miles out; a snap.

Four-room house, furniture and two cows, \$650.

Seven-room house, lot 91x200, \$3000.

HOUSES FOR SALE.

3 and 4-room bungalows, \$2100.

5-room bungalow, modern, \$2300.

4-room cottage, \$1700.

FOR RENT.

6-room house, \$20.00.

3-room house, 1/2 acre, \$12.00.

Twelve-room house, furnished.

Five-room house.

Six-room house.

Girl for general housework, no washing.

Three girls for general housework.

\$1 per day.

15 ranch hands.

Two carpenters.

One ranch hand, \$32.50 per month and board.

One ranch hand, \$40 per month and board.

Man and wife on ranch, house and wood furnished.

Shepherd, \$35.

Chambermaid, out, 25.

HOMESTEAD RELINQUISHMENTS

140 acres, price \$400.

160 acres, price \$350.

WANTED.

Man and wife, no children, woman assist.

25 Ranch hands.

Chambermaid, out, \$25, room and board.

Sheepherder, one used to lambing.

Have you house cleaning, carpets, rugs to clean, chimneys to clean or any other work, hour or day? I can furnish you the help; also suits cleaned and pressed.

E. F. A. BITTNER.

208 Taylor & Phipps Bldg. Phone 4141

GILT EDGE INVESTMENTS

88 acres fruit land 3 miles out; 50 acres pears, 1 to 5 years old; all under ditch; a good investment; \$225 per acre; good terms.

14 acres, apples, Newtown and Spitz; nice 6-room house; modern improvements; one mile out; \$12,000; easy terms.

Nice 7-room bungalow; 5 rooms finished; 100x168 foot lot; nice oak shade trees; high lot; a dandy home buy; only \$2350; \$500 will handle it.

ONE ACRE of fine land, half set to 5-year-old fruit; nice 6-room house; east front; close to Main st.; only \$3500.

A fine corner lot 60x150, improved. Just off of Oakdale; a snap at \$1000. Take a look at our Ross Park lots. They are A No. 1; only \$350; terms to suit you.

Nice 8-room bungalow, all modern conveniences; best resident district in city; close to Main street; only \$4500; terms; lot 50x200.

LET US SHOW YOU.
128 East Main.
Wright & Allin
128 East Main Street

A. L. VROMAN
PLUMBING & HEATING
CONTRACTOR
No job too small, none too large. Twenty-five years' practical experience.
OFFICE
113 SOUTH FRONT STREET.

Something to Investigate and Consider

50 acres of the best soil in the valley, located 4 1-2 miles from Medford and 1 1-4 miles from shipping station.

5 acres planted to Bosc pears 5 years old.
2 acres peaches in full bearing.
22 acres pears and apples 1 year old.
13 acres alfalfa.

Balance of land ready for planting. No waste land.

Fine building site; good water; splendid location.

If this interest you, we will be glad to give you full information and price.

J. W. Dressler Agency
West Main Street.

C. C. Hansen. Tom Moffat
We make any kind and style of windows. We carry glass of any size on hand.
Medford Sash & Door Co.

DRIVERS that know the country RIGS that cover the country

QUICKLY AND WITH COMFORT TO YOU ARE ALWAYS TO BE FOUND AT THE
FARLOW & DOWNING, PROPRIETORS.
WEST SIDE STABLES
PHONE 2431 S. GRAPE STREET

A SNAP IN ORCHARD LAND

One hundred and sixty acres of free red soil, 10 to 30 feet depth; two wells, about 25 acres cleared; a very gradual south hill slope; one-half mile from postoffice, less than one-fourth mile from school and seven and one-half miles southwest of Jacksonville. Only \$20 per acre. Call on or address
JOE THOMAS
222 SOUTH HOLLY STREET. MEDFORD, OREGON

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Steam and Hot Water Heating.
All work guaranteed. Prices reasonable.
I. F. MOORE AND E. E. SMITH
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Money on hand to loan on Real Estate. City and County Warrants bought. Fidelity and Indemnity Bonds Furnished. Fire Insurance.
JAMES CAMPBELL
Phone Main 3231. 208 Fruitgrowers' Bank Building.

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FINEST ASSORTMENT OF BUGGY ROBES IN THE CITY.
Single Harness
Now is the time to feed Manhattan Stock and Egg Foods. Horses shed coats and look splendid. Egg Supply Will Increase One-third.
J. C. Smith
314 EAST MAIN STREET

RESOLVED
The best resolution for you to make is to come to us for your next suit, if you want something out of the ordinary. We do the best work and charge the lowest prices.
W. W. EIFERT
THE PROGRESSIVE TAILOR

\$150 AN ACRE—270 acres, foothill land, about 6 miles from Medford; there are about 85 acres on this place now planted to fruit, which includes about 26 acres in bearing. The bearing varieties are Newtown and Spitzenberg apples and Comice pears. There are 25 acres of Newtowns in their second year with peach fillers and about 6 acres of Newtowns just planted; also 20 acres of Jonathans and 10 acres of Bartlett and Anjou pears just planted. About 200 acres of first-class fruit land on the place. There are many springs on the place and considerable water could be developed for irrigation; two houses, good barn and other buildings. Would subdivide nicely. Easy terms.

\$2500—Sixty acres, 6 miles from Medford, about 15 acres cleared and partly planted; small buildings.

\$250 AN ACRE—70 acres, about 4 miles from Medford, free soil; 25 acres planted to Newtown and Spitzenberg apples, mostly 3 years old; in addition, about 25 acres under cultivation, balance easily cleared; good new 6-room plastered house, new barn; also set of old buildings. Could be subdivided into two or three tracts nicely. Easy terms.

\$5500—Six miles from Medford, good new buildings, about 8 acres planted to Newtowns, Spitzbergers and pears, 1 and 2 years old; about 7 acres additional cleared, balance not hard clearing; good team, wagon and machinery goes with the place. This is a 40-acre tract.

\$275 AN ACRE—Seventy acres of level land within a mile and a half of the city limits of Medford; first-class fruit land; priced at least \$50 an acre less than anything in the vicinity; good buildings. Would subdivide nicely.

\$12,525—Eleven acres in Comice pears, 10 years old; 9 acres in Bartlett and Anjou pears, 1 to 3 years old; close in; good soil; terms.

\$12,000—Eleven acres in Comice and Bosc pears, 14 years old; these trees are in full bearing and will pay a good income on the price asked.

\$7000—Thirty-five acres of black sticky, 3 miles from Medford, all under the ditch and can be irrigated.

\$13,000—Thirty-two acres, close to Medford, 8 acres in Newtowns and Spitzbergers, 5 to 7 years of age; 14 acres in alfalfa, 3 acres in peaches, 2 acres in berries; irrigated; buildings.

\$14,000—Thirty-five acres; buildings; exceptionally fine place for a home; 12 acres in apples and pears 3 years old; about an acre of bearing orchard; 11 acres in alfalfa; all fine deep free soil.

\$150 to \$200 PER ACRE—Stewart acre tracts; 2 miles from Medford; tracts are from 10 to 25 acres in size; fine building spots on all; can all be irrigated; cheapest tracts in Medford neighborhood; easy terms.

\$300 PER ACRE—Finest 5 and 10-acre orchard and garden tracts in the valley; easy terms.

W. T. YORK & CO.

For Sale - - - Splendid Bargains

Pierre, Shepherd & Co., 128 East Main Street.

A 5-room house, porches, plastered, modern, large barn, woodshed, new buildings; price \$2500 and \$1050 can remain one year at 6 per cent. Lot 50x168 feet.

Three-fourths of an acre, South Central avenue, with building; easy terms, \$1600.

A 6-room bungalow, modern, maple floors, an extra good buy, \$2000; North Riverside; \$1000 can remain on place.

A fine bungalow in Queen Anne addition, \$2100; 5 rooms, bath, electric lights, fireplace, cobblestone foundation, corner lot.

Can also sell you two as fine homes as there are in the city, one \$5000 and one \$6000. Come to office and let us show you these special bargains.

We also have good buys in ranches and small tracts.

Pierce, Shephard & Co.
128 East Main Street.

COLONISTS RATES TO OREGON AND THE GREAT NORTHWEST

The management of the Southern Pacific Co. (Lines in Oregon) takes great pleasure in announcing that the low rates from Eastern cities, which have done so much in past seasons to stimulate travel to and settlement in Oregon, will prevail again this Spring DAILY from March 1 to April 15, inclusive.

PEOPLE OF OREGON

The railroads have done their part; now it's up to you. The colonist rate is the greatest of all home-builders. Do all you can to let eastern people know about it, and encourage them to come here, where land is cheap and home-building easy and attractive.

FARES CAN BE PREPAID at home if desired. Any agent of the road named is authorized to receive the required deposit and telegraph ticket to any point in the East.

REMEMBER THE RATES—From Chicago, \$33; from St. Louis, \$32; from Omaha and Kansas City, 25. This reduction is proportionate from all other cities.

WM. McMURRAY,
General Passenger Agent Portland, Oregon