

DISTRIBUTION OF MOISTURE INSTEAD OF QUANTITY COUNTS

By W. W. WATSON. "Normal annual rainfall is not the true basic factor determining the necessity of irrigation in present-day agriculture," said Dr. O. G. Raymond, who turned in this city yesterday afternoon to attend to private business. Mr. Raymond was at one time an irrigation engineer for the United States department of agriculture. In that capacity he acquired a great fund of information affecting many regions of this country. It was my good fortune to meet him in California some years ago, and I was especially fortunate to meet him again last evening, for he always has something practical to say to those who toil under many discouragements to develop the soil wealth of the country. His brief talk on this occasion is particularly applicable to conditions in Rogue River valley. It is worth careful perusal and assimilation.

Distribution of Rainfall. "It is the distribution of rainfall, in time and quantity to suit the needs of individual crops, which determines the necessity for irrigation in any locality," continued Mr. Raymond. "Drought records alone, and their effects, furnish the basic figures; and these figures substantiated with those received from field experiments during the past few years have led the national department of agriculture to encourage supplemental irrigation in the semi-humid regions as a vital factor in crop insurance.

"The revolutionary response which the humid farmers have made is the strongest testimony that they feel the greatest need for protection against the destruction of droughts. The office of irrigation investigations is taxed far beyond its means to supply engineering assistance to farmers.

Supplemental Irrigation. "The fact that you have fourteen to twenty-four inches of rainfall annually in this valley has led many into grave error and serious loss. It is the distribution of that rainfall in which you are most interested for the production of crops. Here your precipitation comes almost wholly during the months between the growing seasons. It serves its purpose then in the matter of moisture storage; but you cannot rely alone on that service. You cannot store sufficient water in the soil of this valley to endure throughout the growing season. Then, it may be plainly seen, you need supplemental irrigation to sustain the growth of the crops during the drought periods. Suppose you have no rain here from the middle of May to the middle of July. A picture of your field and orchard would show clearly the sad result. On most of the soils of this valley your growing crops have reached the permanent wilting point within that period.

How to Save Them. "There is just one way to save your crops in such a condition of this nature; but the remedy must be applied between those dates. You cannot wait a month at that time of the year and hope that your trees and vines and plants will stand up in vigorous life and wait safely with you. During that brief period the sun of your whole profit for the year may be lost. Your fruit trees and vines may be permanently injured and your vegetable growth ruined. Just the moment your plants show that they are suffering from drought they must have moisture. You can't command the forces of heaven; so, your next, and, in fact, your best and surest expedient is irrigation. Suppose you have three or four such droughts in a season. You have lost a year of time and hard work and all the money invested. That condition suggests a loan to carry you over the next season. Do you farmers realize how difficult it is nowadays to borrow money on unirrigated land in a semi-arid region?

Practically Without Assets. "You have to meet the problem squarely. You must be honest with yourself. You are broke and have practically no assets. Wouldn't that situation be sufficient to cause the farmer to conclude that it is his first duty to himself and his home to see that no such unhappy exigency shall catch him again? Sometimes it isn't. Then the agriculturalist finds himself struggling along, half-fed and poorly clothed, under a burden of debt incurred by his carelessness or a wholly inexcusable gamble. It is almost enough to make him hate the loan; but it is clearly his duty.

"A few years ago I cultivated eight acres of garden and fruit land near Xenia, Wis. I irrigated one and one-half acres of it. I depended on showers for the remainder of the crops. We have more rain there in the growing season than you have here. I raised \$200 worth of crops on the acre and a half after the ice

THROGS OF PEOPLE HEAR EVANGELIST AT NATATORIUM

Yesterday was a great day for the evangelistic workers now being held in this city. Long before the hour of evening service every seat in the great building was taken. When the evangelist entered the hall he found the people being turned away. A large number of people stood throughout the entire service. More seating capacity will be provided for the future. The great chorus is a surprise and delight. Mr. Vessey is a born leader and Mrs. Vessey seemingly never tires at the piano. The big chorus left, which many people thought too big because it never could be filled—was crowded.



Mrs. Bernard Vessey

A company of nearly one hundred came from Phoenix in a body to attend the evening service. Tomorrow night a large delegation is expected from Jacksonville.

Mr. Mathis preached his first sermon on "Sin," making use of the first four commandments. Tonight he will continue the theme, using the remaining six of the Ten Words. The special music was especially good. A duet sung by Mrs. Hovions and Mr. Vessey was rich. A male quartet, consisting of Messrs. Vessey, Vrooman, Canaday and Meeker did fine work.

A great meeting is in progress—in fact, just beginning. No one in the community can afford to miss a service.

Tonight at 7:30 the great praise service starts. Mr. Mathis' sermon was pointed, clear and forceful. He made a strong plea for a higher standard of manhood and womanhood. He earnestly pleaded for a sane and proper use of the Sabbath day. He declared that the best bulwark for the defense of our national institutions is a well-developed manhood and womanhood, possessing high ideals of honor and moral integrity.

The speaker was frequently interrupted by the most enthusiastic applause, while the musicians were "beyond marked expressions of delight from the great gathering."

The remainder of the field had ceased to produce a pound. I lost a little over \$870 by not having water on the six and a half acres also. Wasn't that demonstration enough?"

Mr. Raymond cited other cases of loss and gain and gave further information on the effect of short periods of drought and the value of supplemental irrigation that will be given later.

GET RID OF SCROFULA HOW? TAKE S. S. S. Fifty Years' Use Proves S. S. S. Will Relieve Stubborn Cases.

You have noticed the little red-headed people on the face and body—swelling of the glands—swelling in the face and arms and neck. These are the symptoms of scrofula. You may have some of these symptoms, possibly the first of them, and you may not know it. It is a dangerous condition. It is a disease that is often fatal. It is a disease that is often cured by S. S. S. It is a disease that is often cured by S. S. S. It is a disease that is often cured by S. S. S.

CHICHESTER'S PILLS THE GREAT URINARY PILLS. Sold by druggists everywhere.

FRANKLIN HIGH TO PLAY MEDFORD ON WEDNESDAY

The Franklin high school will play Medford on Wednesday, the 16th, and Friday, the 18th, at the Natatorium, the local school receiving a telegram of acceptance last Saturday evening.

The Franklin team is the baby of the Portland interscholastic league, playing its first games this season. Ordinarily they should be a weak team, but such is not the case, as they have been drilled by Coach Dewey, who has achieved a record in the northwest, both as a coach and an athlete.

Dewey came to Oregon Agricultural college several years ago from Purdue. At that time Shrimp Reynolds, the 118 pound O. A. C. quarterback, was the sensation of the northwest. He had been playing in that position for three years when Dewey arrived and was the idol of the college.

Dewey, in the first practice, attracted attention and supplanted Reynolds as the quarterback, becoming one of the best quarters in the west. He won his O at basketball and was named on the all star Northwestern basketball team. He was offered the position of coach at Franklin and, although his team in foot ball was very light, played excellent ball against the Lincoln and Washington teams. They beat Portland academy at basketball Saturday by the overwhelming score of 44 to 21.

Medford has had a shake-up since the Roseburg games and the center position is open. Brandon may be the regular man.

In the past the male spectators have been allowed to smoke, which has annoyed the lady fans. This will not be tolerated any more this season and those who break this rule will be given their admission money and told to leave.

In the interest of clean sports and with the endeavor to clean up athletics, the management will keep a close watch for betting. It has been reported that many are doing it openly at the games. When caught they will be told to leave the hall and the bets confiscated by the police and charges preferred against them.

The reserved seats are on sale at the usual price, the prices being the same.

FAMOUS MIDGET DEAD IN ENGLAND

NEW YORK, Feb. 14.—Relatives of Edmund Newell, Jr., a famous midget who was widely known in the circus and theatrical worlds as "Midget" Newell, have received news of his death in Liverpool last week. He was a son of Mrs. Sarah E. Newell of Newark, N. J. Newell was 24 inches in height and weighed 27 pounds when he married Minnie Warren, another famous midget. At 35 he attained a height of four feet and his first wife having died, he married again, this time a woman of ordinary height. He leaves a widow and two children, the latter well known on the English stage. Newell was 60 years old.

THE MAY CO. White Sale All This Week

THE REDUCTIONS ARE GENERAL THROUGH THE WHITE GOODS DEPARTMENT, INCLUDING TABLE LINENS, NAPKINS, TOWELS, BATH, TURKISH AND FACE TOWELS, MUSLINS, OUTFING FLANNELS, EMBROIDERIES, LACES, COTTON BATTS AND DOMESTICS.

BIG COTTON BATT 98c Comes put up in large sanitary roll, just the size of the regular comfort, in a good quality cotton, always sold at \$1.25.

WHITE OUTFING, 9c, 11c, 13c Good, medium fleece White Outfing, in both the 27-inch width and 36-inch wide, medium and extra heavy. 15c grade, yard wide.....13c 12 1/2c grade, yard wide.....11c 10c grade, 27 in. wide.....9c

NEW WHITE GOODS 29c Weaves that are shown for the first time this season—splash voiles, barred crepes, seed voiles and rice flakes, comes 36 inches to 44 inches wide, sold in the regular way to 45c yard.

LACE CURTAINS ONE-THIRD LESS Take your choice from the entire stock of Lace Nets, Nottingham Nets, Brussels and Serims, all made-up curtains 2 1/2 to 3 yards long, sold regular \$2.75 to \$12.50 the pair. One lot Dotted Swiss Nets, by the yard, at yard.....11c

CHILDREN'S WHITE DRESSES 35c, 50c, 60c, 75c All made-up dresses, with a small pattern of neat embroidery, comes in dimities, piques and linens, Dutch styles, low neck and short sleeves, ages 2, 3, 4, 5, 6 years. \$1.50 AND \$2 CORSETS \$1.19 A big saving in this one lot of Corsets and they don't run in odd or broken sizes, any size you want in the one style, a good, heavy coutil, well boned and made by the Royal Worcester Corset Co.

BUY NOW AND SAVE ON BED LINENS, TOWELS, ETC., WHILE THE STOCKS ARE COMPLETE AND PRICES REDUCED

SHEETS	BEDSPREADS	PILLOW CASES
\$1.25 hemstitch'd.....\$1.10	\$4.50 Scalloped.....\$3.60	25c Hemstitched.....22 1/2c
\$1.00 plain hem.....89c	\$3.75 Scalloped.....\$3.00	20c plain hem.....17c
85c plain hem.....75c	\$2.50 Scalloped.....\$2.00	17 1/2c plain hem.....15c
75c plain hem.....69c	\$1.95 Scalloped.....\$1.55	15c plain hem.....12 1/2c
60c plain hem.....43c	\$1.50 Scalloped.....\$1.20	12 1/2c plain hem.....10c

MILL-END LOT OF EMBROIDERIES, MOST OF WHICH ARE 3 1/2 AND 4 1/2-YARD LENGTHS, MARKED AT ABOUT ONE-HALF REGULAR. 10c | 12 1/2c | 15c | 20c | 25c

K C Baking Powder is guaranteed absolutely pure and wholesome. There is no Rochelle salts, no harmful residue left in the food that is leavened with K C. Even the most delicate can eat hot breads raised with K C without distress. Try K C Baking Powder breads if yeast-raised bread does not agree with you.

Bargains in ROSES Caroline Testout. Roses for sale at a bargain. The finest roses in Medford from the best rose hedges in the city. The Caroline Testout is a perpetual bloomer, large pink roses and the best hedge or street rose for this climate. Pierce, the Florist. Associated Press Dispatch.

NEAREST TO EVERYTHING Hotel Manx San Francisco Powell St. at O'Farrell. Oregonians Headquarters while in San Francisco. Moderate rates. Running distilled ice water in every room. Special attention given to ladies traveling unaccompanied. A la carte dining room.

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THESE GOODS ARE MADE IN THE ROGUE RIVER VALLEY—KEEP THE MONEY AT HOME

ROGUE SPRAY FLOUR Careful, exacting milling of the choicest selected wheat means nutritious flour—best bread, biscuit, pastry. Get acquainted—try ROGUE SPRAY FLOUR. **MEDFORD ROLLER MILLS** H. O. Nordwick, Prop. Phone 507

THE TRUTH when it comes to supplying high-grade mill work. Whether you require a plain set of back stairs or a handsome set for the front of the house you will find them here to your liking. You can get all kinds of doors and windows, pewee posts and balusters, posts, columns and capitals. In fact anything that a modern mill can make we have.

Rogue River Valley Cannery The Best Made Help Home Industry. Try Loganberry Juice and Sherbets at the fountains and ice cream parlors.

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