

UNIVERSITY TO MAKE COMMERCIAL AND INDUSTRIAL SURVEY OF VALLEY

Possibilities of Rogue River Country to Be Forecasted in a Large Way—Resources and Possible Development to Be Ascertained—Great Future for Region by Use of Electricity.

UNIVERSITY OF OREGON, Eugene, June 17.—Conditions in the Rogue river valley are among the first to receive investigation at the hands of the department of commercial and industrial survey of the new school of commerce at the University of Oregon. The experts are to gather exact data, and put in available form the facts and figures which have to do with the future of this rich and fertile section of Oregon. The idea is, first to forecast the future possibilities of the section in a large way, and then to make development possible by the placing of the correct and verified information in the hands where it will do the most good. This is not to be confused with the old fashioned "boosting" or "exploiting" it is, instead, scientific preparation for a campaign of development which consists of deeds, not of words.

Great Possibilities

Even this early in the survey there have appeared some giant possibilities, growing out of the fact that a wealth of cheap water power is available in this valley. Investigation of this point is now taking two interesting developments. One involves the best means of applying surplus power to agriculture, a problem most pertinent in this fertile region, and another is the possibility of creating an entire new industry which, in itself, would justify the erection of vast hydro-electric plants.

The industry which is under consideration is the manufacture of nitrogen from the air. There are not too many places in the world where great quantities of lime rock of right qualities are located adjacent to adequate water power to make possible the establishment of this industry. Professor O. F. Stafford, of the department of chemistry of the University of Oregon, has made extensive investigations into the nitrogen industry of Norway, and has erected elaborate experimental apparatus at the University, by means of which he actually makes nitrogen from the air in his laboratory. The world supply of nitrogen, he says, is rapidly shifting from the natural nitrogen beds of Chile to the hydro-electric plants of Norway, and he believes that Oregon is in a condition to get a large share of the profits of this movement.

Utilization of Electricity

The other line of investigation consists of the collection of exact facts and figures from all places the world over where electric power is applied to the purpose of agriculture. The following data in regard to the utilization of electric power in Idaho, for the purpose of irrigation, heating, lighting power and domestic purposes, and in Italy its successful application to plowing and other heavy farm work, are given out today by the Honorable H. B. Miller, director of the department:

In the Minidoka federal reclamation project, of Idaho, 47,700 acres of the land is irrigated by pumping water to it, the power for pumping having been secured in connection with the main work of the project. As the period when pumping for irrigating is limited, the department finds itself with a great surplus of energy for the most of the year. To market this, low rates have been made throughout the adjacent district, the purpose being to make the by-uses take care of a part of the expenses incurred in erecting the power plant and thus effect a saving in the cost of irrigating the lands.

Electric Heating

Irrigating begins about April 1, and is entirely finished by October 31. During the earlier and latter parts of this season the use is light. The project being in an agricultural region, there are no manufacturing interests of moment to help in consumption of power. The department has been compelled to distribute the energy throughout the rural sections and to the urban communities, for the use of lighting, for domestic purposes, and for heating residences.

For heating, a rate of \$1 a kilowatt month has been adopted during the winter period. This figure has been found sufficiently low to induce a large number of residences and many public buildings to adopt electric heating. It is estimated that the rate makes the cost of heating appreciably less than the cost of heating by means of coal in that district. Except for this heating rate, the charge made for electricity furnished by the government is said to be sufficient to pay operating expenses of the plant, or that is, the proportionate share, and a fair proportion of the maintenance and some profit besides. The government tries to do no re-

tailing, the purpose being to sell to companies or groups of farms.

Cheap Rates Furnished

The consumers take current for heating, lighting, flatirons and power. The flatiron rate is 50 cents per month per iron. The first 25 hours for lighting is seven cents for kilowatt hour, and 6 1/2 for the next 25 hours. The power rate varies according to consumption. If a customer takes five kilowatts as his peak load, and his total use is 2500 kilowatt hours in one month, his hours use per month is 500. With this basis, the rate is figured out.

Recent reports indicate that in Italy plowing is being successfully done by electric energy. An instance given is that at Reggio Emilia, where 741 acres were plowed, the use and loss of electricity in the work aggregating 35,100 kilowatt hours. The plowing is done to a depth of 14 to 16 inches, the purpose being to raise unused soil to the region of root action. At Gazzo Veronese the plowing with animals was put at \$5.30 per acre as a minimum, and \$5.70 as a maximum; with steam at \$4.30 an acre, and with electric energy, \$3 per acre. The rate at which electric energy is taken for this use is put at three cents a kilowatt hour. In other districts the charge for electricity runs as high as four cents a kilowatt hour.

The plowing done by the Italians was by means of a capstan device, cable to draw the plow, and electric motor to operate the winding machine. The plows were on wheels and arranged in gangs. In this work, it was found that about 89 acres could be plowed without shifting the stationary plant.

COMMISSION MEN MUST OBEY LAW

SALEM, Or., June 17.—Stating that an injunction proceeding was not the proper remedy, the supreme court, in an opinion written by Justice Moore, affirmed the circuit court of Multnomah county in the case of J. G. Sherod et al., appellants, vs. the state railroad commission.

Sherod and a number of other Portland commission merchants instituted a suit to restrain the railroad commission merchants' act, passed by the last legislature, on the ground that it was void. The act provided that a commission merchant must procure a license and give a bond before transacting business. For violation of the act, it was provided, criminal prosecutions might be brought. The court held that the defendants had adequate and complete remedy at law, as the question of validity of the act could be raised in defense in a criminal action, and that in such cases equity would not interfere.

PRAYS TO RESTORE HUSBAND TO LIFE

NEW YORK, June 17.—The body of Mark H. Burch, a wealthy dry goods merchant, who died suddenly in New Haven yesterday, following the Yale-Harvard baseball game, was brought to this city early today by his wife. She refused to believe that he is dead, and affirms her belief that her faith and prayers will bring him out of the "condition" in which he has fallen.

Two physicians, following Mr. Burch's collapse in New Haven after a third stroke of paralysis pronounced him dead, but Mrs. Burch would not accept their verdict, and insisted that the body be taken to New York.

Burch's city home was reached after midnight. The body was placed on a couch, the wife cautioning the bearers to handle it with gentle care. She herself placed pillows about it, and when it had been disposed to her satisfaction a service of prayer was begun.

LIE-ABED WINNER ROYAL HUNT CUP

LONDON, June 17.—J. East's 3-year-old Lie-Abed won today the royal Hunt cup, one of the most coveted prizes at the Ascot race meeting. Braxted was second and Honeywood third. A field of twenty-five runners turned out for the race, which was over a distance of seven furlongs, 100 yards. The cup is valued at \$1250, to which is added \$7750 and a sweep-stake of \$100 each.

NEWS FROM COUNTRY CORRESPONDENTS

ASHLAND NOTES

(From the Tidings.)

It will take about sixty days to get started on the actual construction work on the springs. First the bonds must be sold. Then the detail plans and specifications must be made. Fifty or sixty days must necessarily be consumed in these preliminary matters. It is estimated the plant can be built in about four months after work is begun, barring unforeseen delays.

Miss Minnie Jackson, daughter of Mr. and Mrs. D. H. Jackson of this city, is home for the school vacation season. She is pursuing a course of study at the state university at Eugene, and has completed her junior year.

A very pretty and impressive wedding occurred Sunday morning, June 14, at the home of the Misses Ethel and Blanche Davenport on Hargadine street, when Miss Blanche Davenport and J. Murray Murphy were united in marriage by Rev. W. T. Van Seoy.

J. S. Smith has produced some beans on his Woolen street property which are wonders. They are of the frostproof variety and were planted in January and withstood all the frosts of spring and the cold and wet weather following. He says this variety does better, perhaps, in this locality than any other, owing to being so hardy and frostproof and its early maturity.

W. A. Beard, the general manager of the Sacramento Development association, will address the mining congress on irrigation, reclamation and use of the soils adjacent to the mining section of Oregon. He is one of the best-posted men in California, as well as the head of the great Sacramento association. Much of the reclamation work in the Sacramento valley has been done through his efforts.

From the Weekly Gazette-Times of Corvallis we learn of the wedding of Alvin Wheeler and Miss Alfreda M. Smith Monday afternoon. Alvin Wheeler was a former Ashland high school student and graduated with the class of '12. He is attending the Corvallis school. Ashland friends wish them a happy matrimonial voyage.

WILLOW SPRINGS TWIGLETS

Mrs. Frank McKee and family picnicked at the river Sunday.

D. W. Stone and wife returned Friday from Portland where they attended the Rose Festival.

Much needed work on the old stage road is nearing completion.

Mr. Herbert Clark of the Wayside orchard is entertaining guests this week.

At Walters and family were in Medford one day this week.

Mr. English of Medford spent Saturday and Sunday with Dan Stone.

Earl Taylor spent Sunday in Medford.

Harold Goodman of Wisconsin is visiting his uncle, William Tacklam.

James R. Rowe returned from Portland after spending the week at the Rose Show.

Balard Kelly and Merritt Hoagland were Medford guests Sunday.

The Grange will have a picnic at Kanes creek Saturday, June 20. Everyone come and join our jolly crowd and spend the day in the hills.

The Taylor and Sisty families were delightfully entertained at dinner at the home of Mr. and Mrs. Warner of Central Point Sunday.

Mr. and Mrs. J. P. Hoagland will leave Tuesday for Lakeview, Ore., and expect to remain for several weeks.

At the school meeting Monday afternoon Mr. Parker was elected director, succeeding John Sisty. Mr. Carlson was re-elected clerk and other important business was transacted.

The Misses Pore and Blackford, Messrs. Henry Riley, Armine Lewis, Earl Obenchain and John Brown, were callers on Sunday at Scenic Heights orchard.

A jolly entertainment was spent at the Grange meeting last Saturday evening, the ladies and gentlemen appearing as children. Each recited a nursery rhyme and Baby Ethel Dean played the first and last pieces she learned on the piano. Little Minnie McKee's mother allowed her to bring lemons for lemonade and Kitty Pickard brought the gingersnaps, the rest were well supplied with candy, popcorn and peanuts. On the whole the evening was a great success.

JUNE BRIDEGROOMS

Must be properly attired. A first-class barber shop is one of the necessities. Try

SUMMERVILLE'S BARBER SHOP

FLOUNCE ROCK FLOUCELETS

Mr. and Mrs. Irwin and small daughter, and Mrs. George West were passengers on the stage Tuesday morning bound for Medford.

The road workers who went up to the Park line, returned Wednesday to Grieves' camp.

Roy Vaughn went to work at the Mansfield bungalow Thursday for Mr. Feaster.

Marjory Erskine spent Tuesday with Ora Disworth.

Charley Walker went to the valley Tuesday.

A good sized bunch of cattle were taken over the mountains to Klamath this week. They will break the road although wagons have already been crossing.

Mrs. R. E. Peyton went to Medford Thursday to stay until Saturday. Her son Harold, took her to Derby and from there she went on the train.

Mr. and Mrs. Richardson also went to Medford Thursday. They drove through.

Paul Peyton is now working for Mr. Feaster at the Mansfield place.

Mr. and Mrs. Vaughn started to Medford Friday morning. Mrs. Vaughn expects to stay a couple of weeks and visit her daughter, Mrs. Sid Nichols.

We have had some fine rains in this section recently and crops look fine.

Mr. Mansfield and family motored down to the hatchery Friday to fish.

Mrs. Gordon and daughter, Clara and Tessie Gordon came up Saturday to spend the summer with Mr. and Mrs. Vincent. Mr. Vincent met them at Derby station.

R. E. Peyton went to the station Saturday to meet his wife and bring her home.

Mr. and Mrs. Peeler and Mr. and Mrs. Blanchard spent Saturday fishing, down the river.

Mrs. Dittsworth has received word that her daughter, Ila Lytle, is now in North Platte, Neb., their old home, visiting numerous friends and relatives. Miss Lytle, accompanied by her sister, will probably come home this summer.

John Grieve has quite a force at work and is building some fine looking pieces of road. They are working near Mr. Higginbotham's ranch.

Bert Higginbotham and family spent Sunday visiting relatives at Red Bluff.

Several autos went up toward Prospect Saturday night. Judging from their hilarity, they must have been joyriders.

Wm. Von der Hellen and family spent the week end visiting Nyes and Phipps.

There were 10 or 12 automobile parties spent Sunday in the vicinity of Prospect. The roads are pretty good now.

Children's Day will be observed Sunday, June 21, at the Laurelhurst school house at 2 p. m.

BUTTE FALLS BUBBLES.

Mr. and Mrs. Ray Spencer left Wednesday for Lodge Pole where they will camp for the summer. Alene Mahoney went with them to stay for a few days.

Mrs. Buchanan of Eagle Point is visiting her mother, Mrs. Kee while Dr. Buchanan is in Portland.

Mr. Cochran of Southern California is visiting his cousin, Mrs. Laura Stewart; he is also looking for a location before sending for his family.

Mrs. Merle Brainard left Saturday with her little daughter to make an extended visit with her aunt in Forest Grove.

Miss Dottie Harnish of Eagle Point came up Thursday to be housekeeper for her father while Mrs. Harnish went to Eagle Point for a few days.

Miss Leta Peeler left Saturday for Corvallis to attend the summer school at that place.

Miss Verl Rigby of Rogue River came up Thursday to spend a few days visiting friends here.

Mrs. Grace Stratton left last week to be gone some time.

Jim Summerville of Rogue River came in Friday to take his station at Mosquito again this summer. We are sorry to hear that his family will not be with him.

W. R. Parker, O. B. Morris and L. A. Wright left Tuesday for a several day's sojourn in and near Medford.

Mr. and Mrs. Edmondson, with their granddaughter, Millie Patton, spent a few days of last week with their son on his ranch above here.

Mrs. W. W. Parker's brother is visiting them at present.

SHINGLES

Why buy shingles that are shipped in when you can get a better grade that are made at home of heart wood sugar pine? The old fashioned shakes that lasted so long were made of sugar pine. I have moved the mill to Butte Falls, running on a big scale and can supply any amount. These shingles are on sale in Medford at the East Side Wood Yard. Phone 677-W. ST. JAMES SHINGLE MAN

Quite a large crowd attended the school election here Monday but the number of candidates for director was small. H. D. Mills was elected for a three year term in place of Mr. Sears whose time expired this month.



Have you made a Crisco cake?

It really is as delicate and rich as a butter cake besides being so economical.

Try this recipe; or make your own favorite cake, using Crisco in place of butter. Use one-fifth less Crisco than butter and add salt.

If you will merely use Crisco properly there will be no need to mix any butter with it. Your Crisco cake will be as nice as the more expensive cake you formerly made with butter. Crisco cake stays fresh and moist longer.

Free Cook Book

A book of 250 recipes and valuable culinary information by Marion Harris Neil, Cookery Editor, Ladies' Home Journal, will be sent upon request. The quality edition (regular price 25c) containing 615 Neil recipes and a "Calendar of Dinners" will be sent upon receipt of five 2-cent stamps to those answering this advertisement. For either book, address Department 100, The Procter & Gamble Co., Cincinnati.

(Clip This Recipe)

Eggless-Butterless-Milkless Cake 25c

- 3/4 cupful Crisco
- 2 cupfuls brown sugar
- 2 cupfuls water
- 1 cupful seeded raisins
- 1 teaspoonful salt
- 2 teaspoonfuls powdered cinnamon
- 1 teaspoonful powdered cloves
- 1/2 teaspoonful nutmeg
- 1/2 teaspoonful powdered mace
- 2 teaspoonfuls baking soda
- 4 cupfuls flour
- 1 teaspoonful baking powder
- 1/2 cupful chopped nut meats
- 3 tablespoonfuls warm water

Put the Crisco into a saucepan, add sugar, water, raisins, salt and spices and boil for three minutes. Cool and when cold add the flour, baking powder, soda dissolved in the warm water and the nut meats. Mix and turn into a Criscoed and floured cake tin and bake in a slow oven for one and a half hours.



Right Up Among the Live Wires

The hardy lads who hold down the lineman's job are keen for a tobacco that has a rich, mellow flavor—something that's man-size and all there—something that makes a he-man feel like a live wire. And that is

DIXIE QUEEN

Plug Cut Tobacco

We've spent fifty years and millions of dollars creating tobacco brands. And we know that the reason DIXIE QUEEN pleases the hearty smoker and chewer is because its quality is honest and its value the biggest.

We use pure, ripe old Burley leaf in DIXIE QUEEN. We carefully age it for three to five years so as to bring out its full richness. The process can't be hurried. So you see no other tobacco can be the same as DIXIE QUEEN, and DIXIE QUEEN itself can never vary in quality.

DIXIE QUEEN is Plug Cut—just right for the slowest, coolest smoke and the longest lasting chew.

No matter what tobacco you may be using now, just try DIXIE QUEEN for a week, and see if DIXIE QUEEN doesn't give you greater satisfaction, day in and day out, working or resting, chewing or smoking, outdoors or indoors. By the end of the week you'll be a permanent user of DIXIE QUEEN.

Sold everywhere in convenient 5c foil packages—also in 10c pouches and 50c lunch boxes.



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