

NORTHWESTERN WILL DELIVER POWER TO PORTLAND IN MARCH

Virtually All Preliminary Work Completed for Serving Consumers, Light, Power, Heat.

The Northwestern Electric company will be ready to deliver power from its main sub-station in the Pittcock block about March 1. The three-story sub-station at the corner of Albina avenue and Loring street, which is to be the distributing center for the east side, is equipped and ready for business, and power is being delivered to several of the east side manufacturing companies. The 60,000 volt transmission line which brings the current from its 20,000 horsepower hydro-electric plant on the White Salmon river, 70 miles from Portland, brings the power into this station. The plant which furnished the power was completed last March, at an expense of \$3,000,000.

Of the 20,000 horsepower developed by this plant, 5000 horsepower is being used to operate the Crown Columbia Paper company's mill at Camas, Wash., and to furnish light and power for the towns of Camas and Washougal. Less than a year ago the first work on the 7 mile power transmission line from the White Salmon plant near Underwood was begun. The final spans of the high tension cable were brought into the Albina station last September.

Emergency Plant Installed.
While it is not probable that an auxiliary plant will be needed, nevertheless an emergency steam plant is being installed in the basement of the Pittcock block. In case of an emergency arising, this auxiliary plant will insure uninterrupted service.

The power cables are made of steel wire three fourths of an inch thick. There are six cables upon which the power is brought in. The transmission line follows the Columbia river to Camas. Just below Camas it is brought across Lady island to the Oregon side of the Columbia on nine steel towers, the three highest of which are 150 feet in height. The longest span is where the wire is brought across the main channel of the Columbia, a distance of 1550 feet.

In the Pittcock station there will be installed a complete central steam heating plant from which steam will be supplied throughout the downtown district.

Will Heat Many Buildings.
For the past three or four months the company has had a large force of men engaged in laying its steam lines and electric conduits which carry the light and power wires. Some idea of the extent of the work may be had from the fact that the payroll has been running as high as \$12,000 a week. Fifty-two blocks of steam pipes have been laid. In all, 61 blocks will be installed. The furnishing of steam will solve the problem that many cities have to contend with—that is, the smoke nuisance. Steam is furnished through wrought iron distributing pipes at a pressure of from two to eight pounds and is supplied for the full 24 hours at any point within the downtown district where the pipes are laid.

Field Not Restored Alone.
"What we aim to do," said W. E. Coman, the manager of the Northwestern Electric company, "is to compete from the standpoint of quality, efficiency of service and real attention to the needs of the consumer. Our field will not be Portland alone, but we will serve the entire lower Columbia river valley. We seek to encourage new manufacturing industries by furnishing cheap power wherever there is a chance for their development. We have power rights on the Lewis river which, with our present plant now in operation, will give us 100,000 horsepower, which we can develop as our business increases."

DISCOVERING OREGON WITH A CAMERA HIS LIFE WORK



You are a real photographer you will put in the extra plates and the extra lenses, realizing that you can eat some other day while you can't get the pictures unless you have the equipment along. I have taken pictures of sunrise from the top of Mount Hood and that means you must climb up the day before, dig a hole in the snow to spend the night in so you won't be blown off of the mountain by the fierce gales which sweep the summit, and be ready

By F. L.

HUNTING in Oregon with a camera has been work and play for George M. Weister for 35 years, during which time he has "shot" Oregon from every conceivable vantage point—from the peaks of her mountains to the depths of her caves, and traveled 35,000 miles on his negative making tours.

"I was born in Pennsylvania. I came to Portland in March, 1887. Two months later I went to Alaska, where I spent the summer and fall taking pictures of the glaciers, the Indians, totem poles and the magnificent scenery around southeastern Alaska. In those days I worked for E. J. Partridge who had a small gallery on the corner of Fifth and Yamhill streets where the Good-nough building now stands. Mr. Partridge was a famous photographer in those days and took pictures of all the well-known Portland people. He died in California and his effects were sold at administrator's sale, his negatives being thrown away as of no value.

"When I started in the business half tones had not reached their present state of excellence and a large part of our trade was in making views for sale to the tourists.

Hazards of Outdoor Photography.

"I have climbed almost every mountain from the British Columbia border to Mount Shasta. I have been on the summit of Mount Hood more than 20 times. The last time I was up there I carried 43 pounds on my back to the summit. As I only weigh 120 pounds and as many a husky fellow double my size finds it difficult to take himself to the top without a load, you will see that being a photographer is not altogether a snap. The only motion picture camera that was ever on the summit of Mount Hood was taken there on my back. I took moving pictures of the Mazamas as they came up the icy slopes. I have traveled all over the northwest in search of pictures and in many and many a time I have slept on the top of a mountain with the rocks for my pillow, the sky for my blankets and a handful of snow for my supper, a couple of icicles for breakfast. To be a good photographer you must be willing to miss a few meals and travel on your nerve, for when it comes to choice of a few extra lenses and some extra plates or some food supplies, if

for your work to catch the first rays of the rising sun.

Mountain Climbing Part of Work.

"I was the official photographer in the 90s for the Northern Pacific in their exploration of Mount Rainier. I spent one night that I will never forget on the summit of Mount Rainier to get some sunrise pictures.

"I have carried from 25 to 40 pounds of camera and equipment to the top of Mount Adams, St. Helens, Jefferson, Shasta, Rainier, Three Sisters, as well as climbing up and down the precipitous cliffs at Crater lake and scaling the rock walls of Yosemite. The nearest I have ever been to heaven has been standing on the summit of Mount Rainier or Mount Shasta. Rainier is said to be 14,445 feet above sea level, while Shasta is one foot lower.

"One cannot travel over the northwest through its most inaccessible places for a quarter of a century without experiencing a good many adventures. I have rolled down mountain sides, have had overhanging points give way with me, have been mixed up in runways and have been nearly drowned in icy streams.

"You can't get pictures from a railroad train. You must go where the pictures are, whether it means wading up some icy stream, spending hours climbing to some overhanging point, or spending a day climbing to the top of a mountain. You must not only be willing to climb but you must be willing to carry your camera, an assortment of lenses and 15 or 20 pounds of plates, your ray screens, your tripod and the other paraphernalia to enable you to get results.

Some Remarkable Negatives.

"One of the most remarkable pictures I have ever taken was a picture of the mouth of the Columbia taken from the summit of Mount Helens at sunset. It was a wonderfully clear day and the last rays of the sun seemed to lift the river out of the landscape like a thread of silver. Another favorite picture is a view of sunrise on Mount Hood, as seen from the Willamette river.

"When you realize that I have more than 25,000 negatives indexed, you will know that I have done some traveling over the northwest. For years I have been taking pictures illustrating different industries until I have collections of pictures picturing almost every industry you can name.

UNIVERSITY GOES TO THE PEOPLE BY NEW EXTENSION COURSES

"Carry the School to the Public" Policy Pursued as Never Before.

UNIVERSITY OF OREGON, Eugene, Or., Dec. 30.—Beginning a policy of extension work that will carry higher education into every corner of the state by lectures of members of the faculty, by increased number of correspondence courses and the establishment of research departments with experts in municipal affairs, sanitary engineering, civic biology and educational administration at their heads to help state communities in solving their problems, the University of Oregon this year has embarked in a carry-the-school-to-the-public policy which has heretofore been impossible.

Scope of Work Extended.
There are 1781 students enrolled in the various schools of the university this year. The law school and the medical school in Portland report an enrollment of 251 and 78 respectively. Fifteen new members have been added to the faculty. An increase in instructors in the departments of engineering,

COLUMBIA IS MODEL PHOTO-PLAY THEATRE

Every demand which the public reasonably can make of a photo-play theatre is provided at the Columbia, Sixth and Washington streets. It was built the past year by Foster & Kleiser at a cost of over \$100,000 and is a model theatre in every respect. No pains or expense has been spared to make it a place of refined and wholesome amusement. The building is absolutely fireproof, there are an abundance of aisles and exits and the heating and ventilating system is perfect. The seats are leather upholstered and there are a number of boxes suitable for box parties. The decorations are artistic and beautiful.

A ladies' rest room, beautifully furnished, is one of the attractions of the theatre, and there is a maid in constant attendance. Much care is exercised by the management in the selection of attractions. Licensed photo-plays and scenic, travel and educational films are provided through the General Film company and are the best productions which can be secured. A special entertainer and a six piece orchestra provide the musical features. Soon there will be installed a mammoth Kimball pipe organ, the largest and most costly in this city to add to the many other attractions. Performances begin at 11 A. M. daily.

mathematics, education, extension, geology, political science, history, journalism and psychology has been made and the new department of Scandinavian languages created. In Dr. Clifton Freeman Hodge, Dr. George Rebec, Don C. Sowers and W. D. Allison the university has a quartet of experts of national reputation to go to every community in the state where there is a demand for them, and help communities in their problems. Dr. Hodge is the Clark university biologist who has created his own subject, "Civic Biology," teaching people what forms of animal and vegetable life to foster and what kinds to destroy. In the spring Dr. Hodge will start on a crusade with the aid of the school children of the state which he says will make Oregon a flyless state. Capable Corps of Extension Workers. Dr. George Rebec came out to Oregon

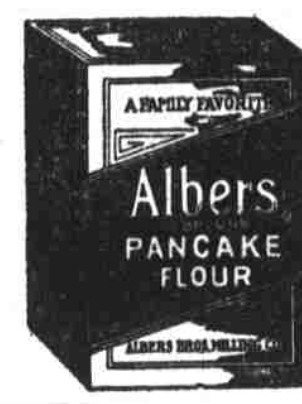
from the University of Michigan to live on his farm near Medford, but was lured out and persuaded by President Campbell to join the extension department. Dr. Rebec's specialty is methods and administration of education. Don C. Sowers has been on the Oregon faculty only a short time, but already he has made a study of the proposed budget of the city of Eugene and has shown the people that a 1 1/2 mill levy on the assessable property of Eugene will cover the proposed expenses for the coming year. Previous to his study it was believed a 15 mill levy would have to be raised. Professor Sowers is known as the municipal expert and will have charge of the contemplated municipal reference library. W. D. Allison is a sanitary engineer brought to the university for work in the extension department as an adviser for state communities in problems of sanitation.

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REED'S STUDENT BODY NUMBERS NEARLY 200

College, in Third Year, Occupies Own Campus, and Faculty Has Trebled.

Beginning in September, 1911, in temporary quarters, with a student body of 50 and a faculty of seven, three of which were occupied with the business of administration and four as active teachers. Reed college has grown until at this time it occupies four buildings on its own campus in Eastmoreland, its student body numbers 177 and there are 21 members of the faculty.

The student body is quite cosmopolitan for so small a college, although a large proportion comes from Portland. There are 48 men and 77 women, who live in the city. The dormitory houses 31 men and 21 women. Oregon is represented by 18 men and 13 women from without the city, while 13 men and 10 women are from other states. Of those graduating from high schools in Portland last year, 23 came to Reed this year from Washington high school, 11 from Lincoln, five from Jefferson, and six from Portland academy.

Admission to Reed college is based on exceptionally high standards. Out of 283 applications for entrance to the first class, only 50 were admitted.

The faculty is composed of the best teachers obtainable. Twelve out of 21 are members of Phi Beta Kappa, three belong to Sigma Xi. The buildings are fireproof. The exterior is of mission brick and Indiana limestone, in the collegiate gothic style of architecture. The buildings represent an investment of about \$400,000. A new gymnasium has recently been completed, and \$15,000 has been spent in equipping physics and chemical laboratories. There is a small experimental fish hatchery being built under the direction of the biology department and in cooperation with the state of Oregon.

The campus covers 36 acres. A large portion of it near the buildings is being graded and put in lawn. Extensive plans for the systematic beautification of the campus are under way.

Hot in the Country.

From the Joplin News-Herald. Not long ago when another bought a country place in Virginia, a little Washington girl was afforded her first experience of things rural. She rose very early and her eye was immediately caught by the sparkle of the dew on the grass. "Why, daddy, she observed, 'it's hotter than I thought. See the grass all covered with perspiration.'"

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