

SOCIAL AND PERSONAL

Wigwam tonight.

Local Elks are very busily engaged in arranging for the institution of the local lodge in this city next month. Two meetings a week are being held.

P. Ritner, the president of the Ashland business college, is in Medford in the interest of his institution.

A four or five-room furnished house wanted at once, not too far out. What have you? Address Inquirer, care Tribune office, giving location and terms.

The following concert program has been arranged for this evening at the park: March, "Fort Lawton"; overture, "Niagara"; ragtime, "Chickieo Charlie"; selection (by request), "King Dodo"; waltzes, "The Red Mill"; characteristic two-step, "The Happy Hayseed"; selection (by request), "The Time, the Place and the Girl"; march, "Golden Gate Commandery."

Wigwam tonight, corner Seventh and Oakdale.

Colonel George P. Mims of Central Point was a recent visitor in Medford.

Miss Helen Yockey will leave on Saturday evening for an extended visit to northern points. She will visit different cities in the Willamette valley, Portland, Seattle, Tacoma and Victoria, B. C. She will be gone several weeks.

While they last—3 cans Holly milk for 25c at Rex Grocery Co. 125

Ladies' medium low heel, stock tip, gunmetal oxfords just arrived at "The Wardrobe." 125

You must not forget the nice fish coming in every day at the Rogue River Fish Market. All kinds cheeses, dressed chickens, always on hand.

W. W. Jones, accompanied by his wife and two daughters, have left for Seattle after visiting a few days with R. P. Little of this city. Mr. Jones is a cousin of Mr. Little. His home is in Corpus Christie, Tex., where he is an extensive land owner as well as being interested in several banking institutions. He expressed himself as being delighted with the valley.

Cash paid for Bartlett pears. See John D. Olwell, Exhibit building, 124

Work of improving the West school has been completed and the building is now in splendid shape. Repairs in the various rooms, tinting of the walls, and fixing of the roof have placed it in better condition.

Manager Whistler of the Bear Creek orchards estimates the pear crop on the place this year at 25 carloads.

The best is none too good for those who at this season of the year are looking forward to making their own preserves and jelly. Anticipating their needs, the Southern Oregon Tea & Coffee Co. early in the season placed their order for a full line of whole and ground spices and triple bottled bas sugar, which have just arrived. Don't forget the number, 36 South Grove street. Phone 3303.

Mrs. M. E. Reames has left for a visit of a few days with Mr. and Mrs. Horace Pelton of Sams Valley.

Mrs. Charles King spent Friday in Central Point with friends.

U. G. Smith, superintendent of the city schools, has moved into his modern bungalow on South Oakdale.

Orders for sweet cream or butter-milk promptly filled. Phone the creamery.

The San Francisco Examiner of August 12 published the following item under the head of "Personal Mention": C. R. Ray and wife of Medford, Or., are at the St. Francis.

Try the Holly brand of milk at Rex Grocery Co., 3 for 25c. 125

The new residence of H. E. Boyden on North Central avenue is rapidly nearing completion.

Can you beat it? 3 cans Holly milk for a quarter at Rex Grocery Co. 125

Cash paid for Bartlett pears. See John D. Olwell, Exhibit building, 124

District Attorney Mulkey has returned from a business trip to Salem and Portland.

Will H. Adams of Redding, Cal., is spending a few days visiting with friends in Medford.

Read the new ad of the Ashland Commercial College and enter September 6th.

Wilson C. Stinson of Grants Pass is in Medford on business.

Music by the orchestra and violin solos from 6 to 7:30 o'clock at the Nash Grill tonight.

Ladies' sensible heel, soft vici vamp, easy oxfords just received at "The Wardrobe." 125

Be sure and go to the opening of the "Wigwam, Medford's new amusement parlor, tonight.

John Beatty of San Francisco is a recent arrival in Medford.

Three cans Holly milk, while they last, at Rex Grocery Co., for 25c. 125

George Andrews of Applegate was a recent visitor in Medford.

First fall finanelettes, outing flannels and fancy kimona goods at Van Dyke's. 124

Hugh Conrad, formerly of this city is now located in Marshfield, Or.

R. M. Horton has left for a business trip into the Coos Bay country.

Cash paid for Bartlett pears. See John D. Olwell, Exhibit building, 124

John Deen of Big Butte is spending a few days in Medford.

Ella Gannayaw, public stenographer, room 4, Palm building.

Mr. and Mrs. Harry Luy are visiting the fair at Seattle.

Mrs. F. A. Bliss has left for a visit to her former home in New York.

Yes, it's true—3 cans of Holly milk at Rex Grocery Co. for 25c. 125

D. G. Fitz of Beagle was a recent visitor in Medford.

Henry C. Williams of Talent precinct was a recent visitor in this city.

J. H. Young of Ashland is spending a few days with friends in this city.

Ed Vana Dyke was at the county seat on business Wednesday.

Mr. and Mrs. Harry Luy of Jacksonville left for Seattle Wednesday evening to take in the fair.

M. M. Gault was a Jacksonville caller Wednesday.

S. M. Robison of Talent was at the county seat Wednesday. He was accompanied by his nephew, Frank Robison, who is visiting him from Yamhill county.

Ladies' ooze top, plain toe, stylish patent and vici quality oxfords just received at "The Wardrobe." 125

Mr. H. Ballard and Miss Bessie Hoffman were married at Redding, last Saturday and will make their home at Chico. Miss Hoffman is the daughter of Mr. and Mrs. George Hoffman of Jacksonville.

Misses Leona and Fleeta Ulrich of Jacksonville left for Dunsmuir, Cal., Wednesday morning for a few weeks' visit with their aunt, Mrs. L. Savage.

Attorney C. L. Reames was at the courthouse in Jacksonville Wednesday on business.

Mr. and Mrs. Benjamin Fairchild and son of Yreka were visiting old friends Tuesday. Mrs. Fairchild will be remembered as Miss Mary Plymale.

ELECTRICITY AID TO HORTICULTURE

Arthur M. Geary in Portland Oregonian Tells of Plans on Foot to Carry On Experiments in This Valley.

Colonel Frank Ray and his brother Dr. Charles R. Ray, New York capitalists, who have spent a million dollars establishing the power plant at Gold Ray, on the Rogue River, are not satisfied with using their electricity for power and light only, but are now planning to apply it direct to horticulture. The two enterprising brothers have offered the State Horticultural Department of Oregon the free use of 50 acres of fine irrigated Rogue River land upon which to establish an experiment station, along the lines of investigation of the action of electricity upon plant life. Included in this offer is free water, electricity, necessary labor, horse and a well furnished house. All that is required in return is a scientific man to superintend the investigations.

The people of southern Oregon are very desirous of the installation of this plant, as experiments in other countries have shown electricity to be of practical value in increasing the productivity of plants.

There are three ways in which electricity may be used in horticulture and agriculture. One way is to increase growth by electric lights at night; another way is to apply electricity direct to the plants, and still another use to which it may be put is gathering nitrates from the air.

The presence of an arc light near vegetation at night increases the luxuriance and rapidity of its growth. For many years it has been noticed that plant life in the polar regions grows more rapidly and is hardier than that which exists in a temperate zone. This has been found to be due to the continuous light which shines upon those regions in the summer months. Even at Gold Ray which is lighted up at night by immense arc lights, this invigorating effect of light is clearly shown. The roses and lawn planted on the barren hillside have attained a luxuriant growth. A eucalyptus tree, which is not supposed to grow in this climate, set out only three years ago, has grown to the height of 21 feet.

It is very probable that before long many of the farmers will light their orchards at night by the use of arc lights, as electricity is cheap and the supply is inexhaustible. Now, during pear harvest, the picking crews through the valley are generally in the orchard before sunrise, waiting for it to become light enough to pick, as pears become heated during the middle of the day and no picking can be done. Often the pears ripen quickly, and a lighted orchard would mean hundreds of dollars to the large orchardists especially.

In 1885, S. Lemström, a native of Finland, discovered that by applying electricity to vegetables and fruit trees their productivity was increased from 20 to 90 per cent. Also that the fruits and vegetables ripened as many as 35 days earlier and contained much more sugar than those that had not been treated with electricity. He found that under the influence of the sun all the electrified plants gave off electricity and kept up a current.

Plants were electrified by placing the negative pole at the top and the positive pole at the bottom. The more practical and preferable way, however seems to have been to charge the plants from the top by a network of wires. By applying this process five or six hours a day the vitality of the plant was increased wonderfully.

Just as electricity increases the circulation in the animal life, so does it in the plant life. When the circulation of a tree is good, it resists disease and frost, and assimilates more water, sugar and nutriment.

Since Lemström's experiments, investigations have been carried on in Germany, England and other foreign countries with wonderful results.

"When after some preliminary experiments at Britlin," writes Sir Oliver Lodge in the Electrical Review, "J. E. Newman of Gloucester, determined to try the phenomenon on a really large scale and came to me to see if I could enable him to continue high tension discharge for hours together each day over 10 or 11 acres by means of power furnished by an

oil engine and dynamo. I very willingly assented and set my son Lionel Lodge upon the job.

"The method is to stretch over the field to be treated a number of wires on poles, high enough for loaded wagons and the usual farming operations to go on underneath the wires, which are supported on the posts by elaborate high tension insulators and extend over the acreage under experiment."

"The system of conductors is then connected at one post with a generator supplying positive electricity at a potential of something like 1000 volts and with sufficient power to maintain a constant supply of electricity at this kind of a potential.

"Leakage immediately begins and the charge fizzes off from the wires with a sound that is sometimes audible and with a glow which is visible in the dark. Anyone walking about below the wires can sometimes feel the effect upon the hair as of a comb on the face.

"The electrification is maintained for some hours each day, but is shut off at night—it is probably only necessary to supply it during the early morning hours in summer time and in spring or in cold, cloudy weather for the whole day or during the time of the plants greatest activity.

"At what stage of the growth of a plant the stimulus is most effective, has still to be made out. However, in the case of wheat both the ear and the straw are valuable and the electrification is accordingly applied for a time each day during the whole period of growth until stalling begins.

"The power is generated by a two-horse oil engine driving a small dynamo in an outhouse on the farm. The current (three amperes at 220 volts) is taken by ordinary overhead wires to the field, where they enter a suitable weather tight but which contains the transforming and rectifying apparatus.

"In the experiments to be described there were about 19½ acres of ground. The wires were mounted on insulators placed upon larch poles some 15 feet high, which were placed in rows, being separated by a distance of 102 yards and the poles in a row being 71 yards apart.

"Stout telegraph wire carried the current down each row, while the galvanized iron wires, placed some 12 yards apart, were stretched between the rows and acted as the discharge wires. In this way 22 poles were sufficient to support the wire over the 19 acres. Roughly, only one pole an acre is required, therefore

CHARGES AGAINST WOMAN ARE FALSE

NEW YORK, Aug. 12.—That an injustice has been done Mrs. Helen Spencer, recently arrested in Ecuador and charged with having engaged in the "white slave" traffic for the Panama canal zone, was admitted in court here today, when the indictment against her was dismissed by Judge Ross. The action was taken on the recommendation of the district attorney, who reported that he had found the evidence of the complaining witness false in essential particulars.

BORN.

WILKINS—In Ashland, August 10, to Mr. and Mrs. A. R. Wilkins, a daughter.

MITCHELL—In Ashland, August 4, to Mr. and Mrs. Walter Mitchell, a son.

PLUMMER—In Ashland, August 8, to Mr. and Mrs. J. W. Plummer, a daughter.

A. C. Joy of Ashland and Mrs. P. H. Daily of Medford are assisting Superintendent J. P. Wells with the teachers' examinations.

WALK - OVER SHOES

Economy

Wear out many shoes each season? Whether you've been buying cheap or high-priced shoes, WALK-OVERS, at a medium price, will make it possible for you to save money and you'll still be able to wear shoes that cannot be beaten for style, comfort or durability.

\$4.00, \$5.00

Edmeades Bros.

THE WEST SIDE SHOE STORE

the inconvenience is practically nil.

"Owing to the flexible suspension, risk of breakage to the wires is very small. During the two years the wires have been up at Bevington, apart from a few wires broken at harvest time by catching the top of an extra high wagon load, only one wire has fallen."

The United States government has recently established an experiment station to investigate this use of electricity, but as yet no data have been sent out. By help of a state experiment station at Gold Ray the whole fruit industry of Rogue River valley might be revolutionized. Rogue River furnishes an almost inexhaustible means of generating power, at Gold Ray alone to generate 5000 horse power.

Electricity as a means of gathering nitrogen from the air is broadly used, 30,000 horse power being devoted to this purpose in Belgium. The apparatus employed is a high voltage static machine, placed in a gas tight room with a nitrogen receiver at the bottom. The machine throws sparks into the space filled with air, which breaks up the hydrogen and nitrogen molecules. The nitrogen in the form of nitric acid being the heavier, settles into the receiver on the bottom. Here it is generally absorbed by some chalky substance, which is later scattered over the land, renewing its fertility.

With an abundance of electricity-producing power at hand, the Ray brothers are anxious to provide means of monopolization of it and are ready to increase their power plants as the electricity is needed.

ADVANCE SHOWING

We take pleasure in announcing to the many friends and patrons of this store that we now have on display an advance lot of

Latest Styles in Ladies' Ready-To-Wear Hats

also a new shipment of **LADIES' KHAKI OUTING COSTUMES** and **AUTOMOBILE GLOVES**. Nothing like them to stand the wear and tear of a vacation trip, beside having a neatness and distinction of appearance that is characteristic of all our goods.

A few more of the last shipment of new fall styles in **LADIES' AND MISSES' TAILORED SUITS** still on hand, but owing to the remarkable values being offered they will not last long, and anyone desiring to be well dressed cannot afford to miss the opportunity of securing one of them.

Montgomery's