

Local and Personal

Leave for California

Mr. and Mrs. W. A. Rockefeller, who have spent the past two weeks in Ashland, left this morning for points in northern California, and later will extend their trip as far south as Los Angeles.

Have two very good buys in residence property on Granite street, and on Allison street, at very attractive prices. Ashland Realty Co. 5-1mo

Will Leave for Klamath

Mrs. P. N. Gresez, of Klamath Falls, who has spent the past three weeks visiting with friends and attending the revival meeting, will leave for her home tomorrow.

Fruit canning time is at hand. For fruit jars, lids, rubbers, jelly molds and sugar, Detrick's prices can't be beaten.

Everything good to eat at Detrick Groceries.

Visits in City

Mrs. C. H. Woolley, of San Francisco, has arrived in Ashland and is visiting at the home of Mrs. S. T. Thornton, 192 Mechanic street.

Cliff Payne makes book ends. 304tf

Now is the time to have your piano tuned. Carl H. Loveland Studio, 135 E. Main. Phone 465. 4tf

Leave for Butte Falls

Mrs. R. L. Parker and Mrs. Henry Herry'ord, of Butte Falls, who have spent the past few days visiting with friends here and attending the revival meetings, left yesterday for their home. They were accompanied by Mrs. J. E. Welch, who goes for a few days' visit.

Wanted, women to work in fruit at Talent cannery. For particulars, phone 364-J1. 1tf

See Carl Loveland about having your boy learn some band instrument, and join the Boys' Band. Studio 135 E. Main. Phone 465. 4tf

Given Birthday Shower

Miss Myrta Otterdahl, chief operator at the local telephone exchange, celebrated her birthday Saturday, and was given a handkerchief shower by the other members of the force, as is the usual custom on each birthday celebrated.

APPLES—20 ounce pippins, 75c box delivered. Phone 9-F-11.

Our clothes are comfortable because they fit. Paulsrad's. 20tf

Again on the Job

Postmaster E. J. Kaiser is again on the job after having enjoyed his annual two weeks leave of absence.

Let Jerry O'Neal figure your next job of plumbing. First class material and workmanship. Phone 138. 207 E. Main street. 233tf

Visitors from Spokane

Mr. and Mrs. Frank Bly, and Mr. and Mrs. Eber Bly, of Spokane, Wash., stopped over Sunday night with Mr. and Mrs. Dix. The visitors are on their way to Los Angeles to spend the winter.

Sweet Cider, made fresh every day, two gallons 75c, one gallon 40c, delivered. Phone 9-F-11.

City Buys Ford Truck

The city has purchased a Ford truck for the use of the light and water department, and are considering putting on a two speed axle in order that the truck may be able to climb all the hills over the city without any trouble.

We sell Fred Rapp's watermelons at the White House grocery, 1 1/2 cents per pound. 21tf

ALL TIRED OUT

Hundreds More in Ashland in the Same Plight Tired all the time; Weary and worn out night and day;

Back aches; head aches—Your kidneys are probably weakened. You should help them at their work.

Let one who knows tell you how. Mrs. C. P. Newton, 77 Fifth street Ashland, says: "I am glad to recommend Doan's Kidney Pills as I found them satisfactory when my kidneys were weak. My kidneys were irregular in action and at times my back felt weak and lame. I was run down and felt dull and tired until I read of Doan's Kidney Pills and began using them. They helped me right away and soon regulated my kidneys and strengthened my back."

Price 60 cents at all dealers. Don't simply ask for a kidney remedy—get Doan's Kidney Pills—the same that Mrs. Newton had. Foster-Milburn Co., Mfrs., Buffalo, N. Y. 27

RADIO

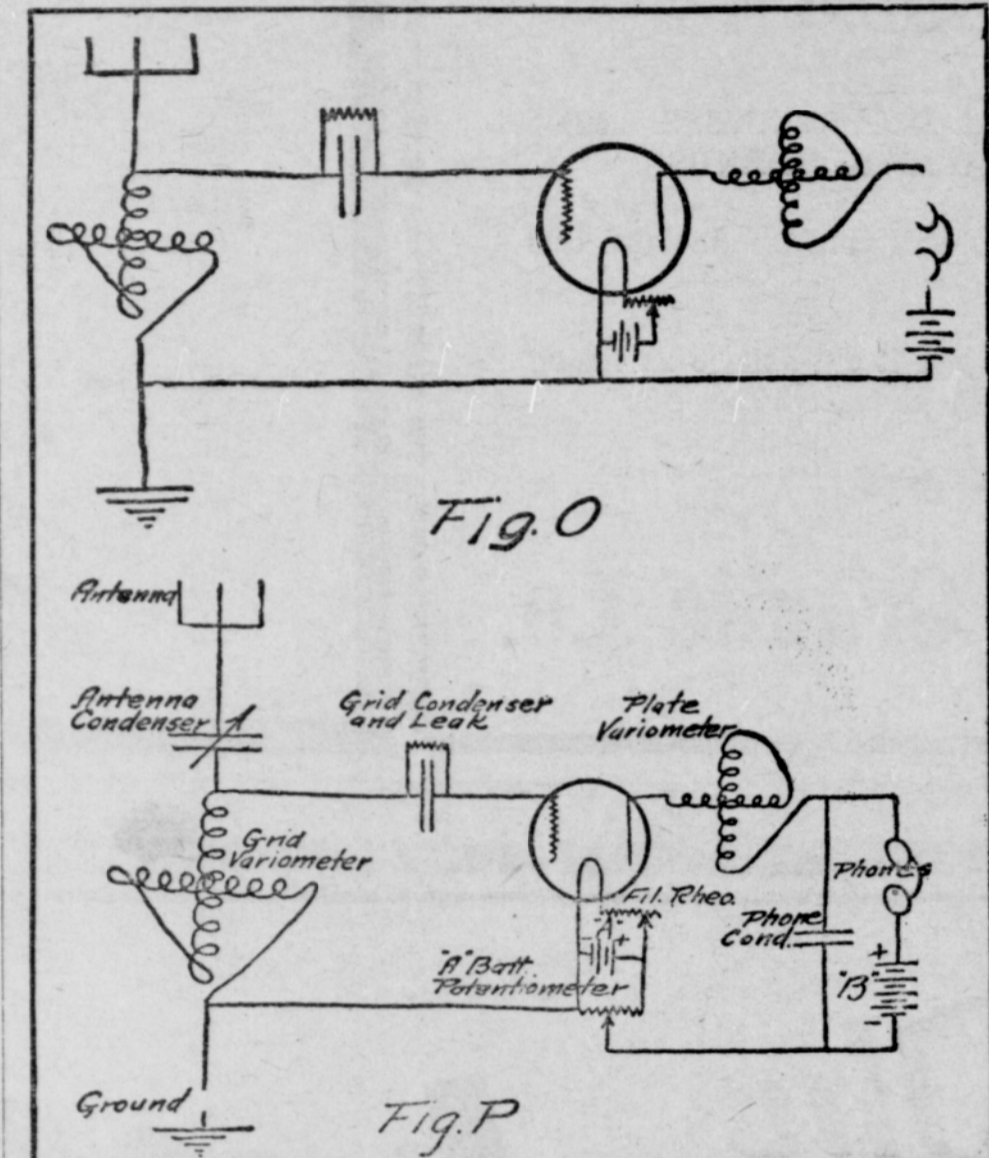
HONEYCOMB COILS IN CONVERTING RECEIVER

Third Regenerative Circuit Arrangement Is by Electrostatic Coupling.

In making a receiving set over into a regenerative circuit, the DeForest honeycomb coils are very well adapted to a circuit arrangement as shown in Figure N. One coil is used as a primary, a second coil as a secondary, and a third as a tapper or plate inductance.

When mounted in a set the secondary is placed in the center and the primary and tapper coils on the outside in such a manner that the coupling between the primary and the secondary can be varied.

The greatest advantage derived from the use of honeycomb coils is the



ability to cover the entire range of wave length with very small dead-end losses. With the same receiving set the coils used for receiving long wave trans-Atlantic stations can be plugged out, a smaller set of coils plugged in, and amateur stations picked up efficiently.

This ability tends to make this particular type of receiver the closest approach to a universal wave length receiver that can be made.

The regenerative circuit arrangements already shown feed back from the plate circuit to the grid circuit in one of two ways: First, conductively, as in the circuit called the DeForest Ultra-Audion circuit, and second, by inductive coupling as in the circuit which makes use of the tapper coil. There is a third method of coupling—electrostatic, by which the circuits between which the energy is to be transferred are connected by condensers.

In a circuit in which the energy is small and the frequency is high, that is, short wave length, the coupling condenser need be of only a very small capacity. The elements of a vacuum tube have a capacity with respect to each other. Some of the most efficient of the short wave regenerative receivers used today depend on the capacity between the elements of the vacuum tube to furnish the necessary electrostatic capacity between the plate and the grid circuits to feed energy from one of these circuits to the other.

Figure O shows a simple single tube regenerative receiver for short wave work that depends on the electrostatic capacity between the elements of the tube for the coupling between the plate and grid circuits. A variometer "A" in the antenna circuit is used for tuning. Another variometer "B" in series with the plate is used for tuning the plate circuit to the same natural period as that of the received signal. This circuit is sometimes called the tuned plate circuit method of regeneration.

There are two tuned oscillating circuits in the receiver. One tuned circuit consists of the variometer "A" with the capacity of the grid to filament of the tube across it. The other tuned circuit consists of the variometer "B" with the capacity of the plate to filament across it. These two circuits are in turn electrostatically coupled to each other by the capacity between the grid and the plate.

A receiver of the type shown in Figure O is very efficient, because there are no untuned circuits. In addition the energy sent back from the plate circuit to the grid circuit compensates for the losses in the circuits. This results in very high amplifications.

Though the adjustment of a set of this type is rather critical, especially the amount of induction in the plate circuit, but two knobs are necessary to control the tuning and the amount of regeneration. With a good antenna

and a circuit of the general arrangements that shown in the diagram, an amateur can get excellent results. Any of the standard variometers on the market can be used for the grid and plate variometers "A" and "B." For those who wish to build a set of this type, a more detailed diagram of connections is shown in Figure P. The antenna series condenser is one of the 21-plate size. An "A" battery potentiometer is shown in the circuit for those who wish to use a soft detector tube.

ELECTRICAL SHOP AND RADIO

Establishment That Does General Electrical Work Has Big Advantage Over Others.

One of the strongest arguments possessed by the electrical store selling radio supplies is the expert service it can offer, says Burton Millar, in a comprehensive article in Radio Merchandising. All sorts and descriptions of apparatus and parts can be put in stock by any store in any line of business and that is exactly what is being done in every city in the country, but the establishment which makes a specialty of doing general electrical work—wiring for light, pow-

O. A. C. GIRLS NOW MAKE OWN RULES, REGULATIONS

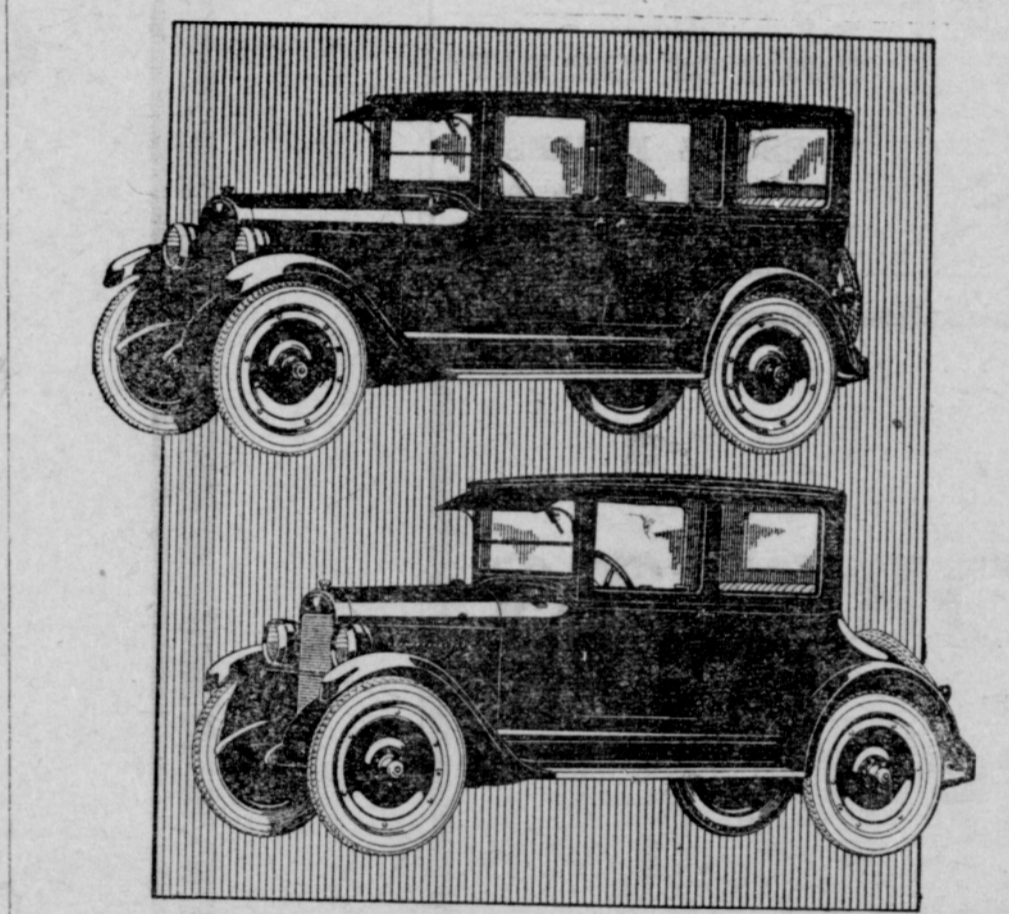
CORVALLIS, Or., Sept. 26.—Girls at Oregon Agricultural college now make their own rules, through the women's league, an organization composed of all co-eds in college. A copy of the printed regulations, as

Laid down by the girls themselves is handed to each one as an aid to memory. President Kerr's approval and that of the acting dean of women have sanctioned the rules. The plan is a direct reversal of former procedure. In the past rules have been made arbitrarily by the dean of women.

REPORT OF CONDITION OF THE State Bank of Ashland

Table with columns for RESOURCES and LIABILITIES. Resources include Loans and discounts, Overdrafts, U. S. government securities, Other bonds, Bankings, Real estate, Cash on hand, Exchanges, Checks, and Other assets. Liabilities include Capital stock, Surplus fund, Undivided profits, Demand deposits, Time and savings deposits, and Savings certificates.

STATE OF OREGON, County of Jackson—ss. I, G. G. Eubanks, cashier of the above named bank, do solemnly swear that the above statement is true to the best of my knowledge and belief. G. G. EUBANKS, Cashier. Subscribed and sworn to before me this 25th day of Sept., 1922. CORRECT—Attest: G. H. BILLINGS, Notary Public. THOS. H. SIMPSON, My commission expires June 5, 1924. W. H. McNAIR, Directors.



Public conviction is stronger than ever, now, that only in the good Maxwell can such extraordinary value be found. Its great beauty and economical, reliable performance cause it to stand out unmistakably.

Sedan - \$1335 Coupe - \$1235 Touring Car - \$885 Roadster - \$885 Prices f. o. b. Detroit. Revenue tax to be added.

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that feeling of "being prepared" for whatever the next twenty-four hours will bring; that calming sense of safety— Until you have "a little ready money in the bank."

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Safety blades resharpened like new. Single bit, 30c doz. Double bit, 60c doz Children's Work A Specialty

TELLS OF ESKIMO MELODIES

Arctic Explorer Declares They Are Weird and Wistful to a Degree, and Characteristic.

Knud Rasmussen and Fridtjof Nansen and also Hinrich Johannes Rink, who was sent north years ago by Lady Franklin to find her husband, have given to the world valuable facts about the customs and lives of the Eskimos, the Detroit News observes. Christian Leden's unique contribution from the arctic regions is in the field of music. For years he studied and faithfully transcribed the Innuit melodies. Each Eskimo, he says, is obliged to compose his own song, and no person may sing the song of another without first obtaining permission. The mother has her cradle song, infinitely low and sweet. The hunter has his song of the chase, clear and bold. Even the bad man of the tribe has his song, and it was quick and appropriately brazen. Harmony has not been developed among the Eskimos. They sing only in unison. But their melodies are weird and wistful, often consisting of only two or three motives, which are strangely effective. It is during the long polar night that the Eskimo has time to rest in his igloo and sing his songs.

At Once

SEE US NOW ABOUT YOUR FIRE INSURANCE

Procrastination in taking out fire insurance has robbed many a man of his entire property. Don't be caught unprepared by the fire fiend. Your home, your business, your crops, your automobile have a very real money value. No property is secure against destruction by fire. Let us tell you how little it will cost to fully protect you. "When you want good insurance, talk with Billings."

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