

COMING EVENTS

- Local**
- Sept. 1—Special School Examination Friday morning.
 - Sept. 2—Teachers' Preliminary Institute.
 - Sept. 4—Labor Day Parade and Barbecue.
 - Sept. 5—School Starts.
 - Sept. 13-16—Jackson County Fair.
- State**
- Aug. 28-Sept. 4—Oregon Christian Endeavor convention, Columbia City.
 - Aug. 30-Sept. 4—Columbia River Conference Methodist Episcopal Church, Ellensburg, Wash.

Local and Personal

WOODMEN
All members of the M. W. A. and W. O. W. are requested to be in Ashland Labor Day at 9:30 a. m., to take part in the parade. Meet at Moose Hall. 307-3

Mrs. Foltz Returns
Mrs. F. S. Foltz, 286 B street, has returned from San Francisco, after a month's visit with relatives and friends. Her son Robert will remain there for the winter. He is attending commercial college, taking a business course.

First showing of Fall and Winter hats, Saturday, September 2, at Mrs. Simon's Millinery Parlors. 306-2

Advertise Celebration
A large sign was strung across Boulevard Tuesday afternoon, near the library, announcing that Ashland would celebrate Labor day next Monday.

Armory, Wednesday night, hear the human dictograph, free. Both educational and entertaining. 304-3

Picnic at Copco
Mr. and Mrs. Cliff Payne, Mrs. McKibben, Job Tofzier and Clyde Young, motored to Copco Sunday, where a picnic dinner was enjoyed with Ray Long. Clyde was trying out the new gears on his car and reports that they work perfectly.

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

Return from Lake
Mr. and Mrs. J. N. Dennis returned from Lake of the Woods Monday, where they had been spending several days on an outing from the daily grind of selling groceries and feed. The Fred Engle and Will Dodge families have also arrived home from the lake after short outings there.

See the free entertainment Wednesday night by the Miracle Man at the Armory. 304-3

Visits Relatives
Robert Dennis, of McCloud, Calif., was a guest at the home of his uncle J. N. Dennis, Monday.

Dancing at the Big Hot Springs Pavilion, Wednesday and Saturday nights. 304tf

Former Resident Visits
Mrs. Minnie Magoon, of Portland, is making a visit here with relatives and friends. Mrs. Magoon is a former resident of Ashland, and may decide to remain here indefinitely.

Detrick sells butter for less.

Leave for Denver
Mr. and Mrs. Robert Clark, who have been making the Hotel Oregon their headquarters for the past few weeks, left this afternoon on train 53 for Denver, Colo., where Mr. Clark was called on account of some mining interests in that section of the country.

Good insurance at good rates. Phone 274-J. Yeo of course. 265tf

Here from Washington
Mr. and Mrs. Frank Smith and daughter, of Port Townsend, Wash., are in the city visiting with Mrs. Smith's sister, Mrs. J. H. McKenzie. They have already taken advantage of several of the scenic trips afforded by the county, and plan to return to their home the latter part of the week.

Cliff Payne makes book ends. 304tf

Returns from Beach
The Homer Billings family arrived home last evening from a two weeks outing at the sea shore.

Gravenstein Apples—Windfalls, 50 lb. box, 75c delivered. The finest all-round apple on the market. Phone 9-F-11.

Return from Northern Trip
Mr. and Mrs. Howard Rose returned last night from a two weeks motor trip to Washington and Canada. They were accompanied home by some of their relatives from the sister state on the north.

Photographs repaired. Fixit Shop. 299tf

Platform Being Built
A large platform is being built in the Chautauqua building for the use of the evangelist and healer who will conduct the three weeks' revival services here beginning next Sunday.

New fall suits on display at Paulserut's. See our windows. 304tf

Here for the Winter
Mrs. French, of Eugene, has rented rooms at the W. H. Worthington home on Laurel street, where she expects to reside this winter.

Very Seriously Ill
Mrs. H. E. Badger is very seriously ill at her home on Bush street.

Boy Scouts Are Home
The Boy Scouts returned from Lake of the Woods Monday, where they have been for the past two weeks. Scoutmaster J. O. Riggs brought up the van, arriving in the city yesterday.

Returns from Trip East
Mrs. Anna Ziegler is home after having spent six weeks visiting with relatives and friends along the coast and in Utah and Colorado. She reports having had a very fine trip.

Conference Next Week
The Methodist Episcopal conference for the state will be held at Salem next week, when a number of changes will probably be made in the various churches.

An oil well is down 881 feet near Salem.

MAXWELL CORPORATION ANNOUNCES PRICE CUT
Announcement is made by the Maxwell Motor corporation that the prices of the Maxwell coupe and sedan have been reduced \$150 effective immediately.

These reductions, according to William Robert Wilson, president, are the direct results of manufacturing economies brought about by a demand for Maxwell de luxe closed cars unprecedented in this price field.

"When the present day Maxwell closed cars were first introduced," says Mr. Wilson, "their distinguished design and unusually fine finish enlisted the most enthusiastic comment, not only from the public, but from the motor car industry itself.

"The Maxwell closed cars have probably caused more favorable comment by their sheer good looks than any other production of recent years. In the past ten months in the hands of owners, they have excited just as favorable comment for performance, durability and economy."

A new white and sugar pine mill has been opened at Grants Pass.

TOO LATE TO CLASSIFY

FOR RENT—Rooms. Special rates to teachers for the school year. Hotel Oregon. 306-4

FOR SALE—At real bargain—two Ford delivery cars. Buick Sales Agency, 83 North Main. 306-5

FOR RENT—Two sleeping rooms, gentlemen only. 308 N. Main. 306-3*

FOR RENT—Four room ground floor flat with bath and pantry, player piano and stationary tubs. Phone 340-2. 306-4

FOR SALE—Three room furnished house, close in. Bargain if taken now. P. O. Box 37, Ashland, Ore. 206-2-w-s

CONVALESCENT HOME—Open to all in need of health. Milk diet patients and convalescents are not in the same house with the sick ones. 206-1

CONVALESCENT HOME
CONVALESCENT HOME—Good cheer. Good care. Good food. Terms reasonable. 153 Granite St. Phone 411-R. 306-1mo

FOR RENT—Housekeeping rooms in first floor; furnished cabins, and a two room upstairs apartment. 153 Granite St. Phone 411-R. 306-1

FOR SALE—We have on our list at present some of the best homes in Ashland, bungalows and modern large houses, as well as small, desirable homes, some furnished; many of which we can sell on easy terms. Have also farms, large and small, on which trades may be considered, and have some town property for trade, for real estate here and elsewhere. We hope you will let us "show you" before buying your home. Yockey & Co., Realtors, 177 E. Main St. 306-w-s

WANTED—Pantrywoman. Hotel Ashland. 306-2

FOR SALE—A few good spring cockerels, Barred Plymouth Rocks—\$1.50 each. Call at Yockey & Co.'s office, 177 E. Main. 306-6

RADIO COUPLING CONTROLS THE OSCILLATIONS

How the Vacuum Tube Radio Receiver Can Be Made Regenerative.

If it were not for the bends in the characteristic curve, the three-electrode vacuum tube could not be made to produce oscillations of constant amplitude when self excited. It is easily seen that if the characteristic curve were a straight line, the operation of the tube would be so unstable as to render the tube useless as an oscillation generator. A third condition of relative values of potential variations can exist, that is, when the grid circuit potential variations are less than the potential variations existing in the tuned circuit between the points X and Y. When this condition exists, the oscillations in the tuned circuit cannot be maintained but the decrease in amplitude in the tuned circuit oscillations will reduce the grid excitation, and the tube will finally cease to oscillate.

Thus the coupling that exists between the plate circuit through the tuned circuit inductance L and the grid circuit through the inductance I, control the conditions that will or will not cause the tube to act as a generator of undamped oscillations.

Suppose that the coupling existing between the two coils L and I is such that the tube is generating oscillations. If the coupling be reduced, that is if the coils be moved farther apart it will require greater and greater variations in potential in the coil L to maintain the same variations in the coil I. This weakening of the plate to grid coupling causes stronger oscillations in the

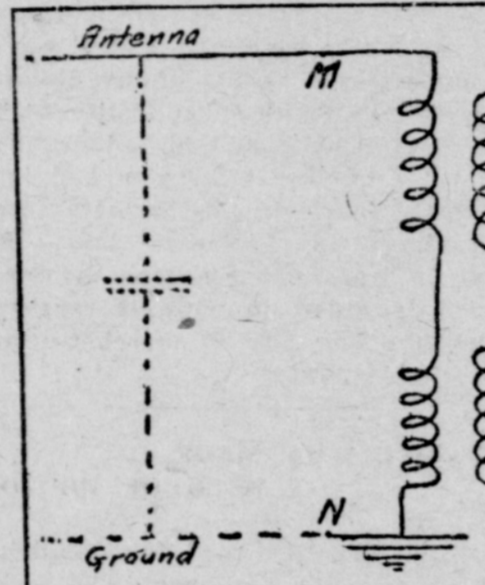
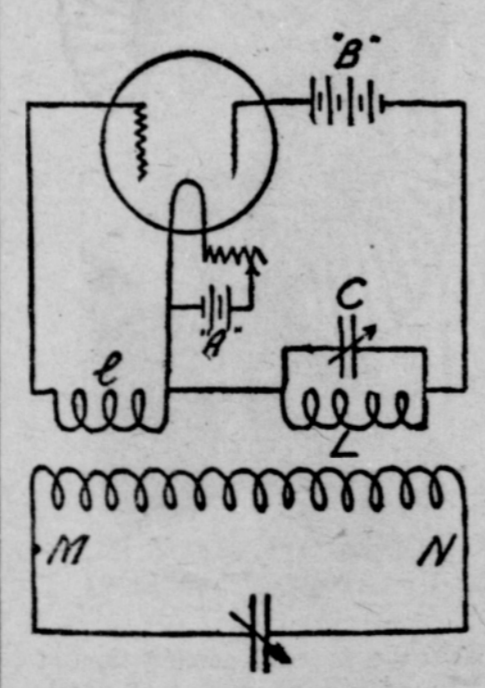


plate circuit. The limit is reached when the plate current reaches the saturation point. After this point is reached, further weakening of the coupling cannot increase the plate current variations so that the transfer of energy from the plate to grid circuit now decreases, and any further reduction in coupling will cause such a reduction in excitation that finally the tube will cease to function.

There is, then, a certain degree of coupling at which the tube will start to oscillate, a certain degree of coupling which will produce maximum oscillation in the plate circuit and another degree of coupling at which the tube will cease to oscillate.

From the foregoing short discussion it can be seen that a three electrode vacuum tube can be made to function as a self excited generator of an undamped alternating difference of potential at radio frequency, or by exciting the tube externally by, for example, an incoming radio signal, the amplified plate circuit variations in potential can be fed back into the grid and held to further increase the amplitude of the plate circuit variations. In



the former conditions the tube is used in continuous wave telegraphy and in radiophone transmitters.

When operating under the latter conditions, the tube is used in "regenerative" circuits of radio receivers to produce enormous amplification. When used in radio receiving circuits, of such kind that energy is transferred from the plate circuit to the grid circuit, we have the famous "Armstrong regenerative" or "feed back" circuit which is so generally used at the present time.

Any vacuum tube radio receiver can be made regenerative by arranging the circuit in such a manner that the plate circuit energy is fed back into the grid circuit. This may be accomplished by

either magnetic or electrostatic coupling.

In Figure XXXVI the tube was made self exciting by coupling an inductance C connected in the grid circuit to L, an inductance in the tune plate circuit. A development of this circuit is shown in Figure XXXIX.

Here the energy, instead of being directly coupled from the plate to the grid circuit, is first necessary to an intermediate circuit, M-N, and then to the grid circuit. It is necessary of course, that the circuit X-Y and M-N have the same natural period, that is to say, they must be tuned to the same frequency. If the frequency is relatively high, the condenser C can be dispensed with, and the capacity of the plate to filament used as a portion of the oscillation plate circuit.

The circuit as shown in Fig. XXXIX is inherently the circuit used in low power undamped or continuous wave radio telegraph transmitters. By substituting in the oscillating circuit M-N the capacity of an antenna with respect to the ground, we have the continuous transmitter shown in Fig. XL.

By placing a key in the "B" or plate battery to turn the plate battery off and on the start and stop, the tube oscillating dots and dashes can be sent out by varying the coupling between the grid and plate coils I and L and the antenna circuit, the transmitter is adjusted for maximum power output. To adjust the wave length the value of the antenna inductance is varied.

SUMMER SLUMP IS BENEFIT
Both Manufacturers and Dealers in Radio Apparatus Are Learning a Needed Lesson.

"The slump in the radio business during the summer months is a boon to the entire industry," declares Joseph D. R. Freed, in an interview published in Radio Merchandising. "Both the radio dealers and the more stable and serious manufacturers are learning a well-needed lesson from this slump," he says. "For example, deal-

ers are beginning only now to realize the truth of the fact that they cannot afford to carry a large and heterogeneous lot of odds and ends in radio apparatus in the hopes that they will be able to dispose of it. They are learning now, by a stern process, that hysterical overstocking of apparatus in an effort to meet the spasmodic demand of radio 'faddists' is not going to prove profitable in the long run. They are beginning to realize that dependable apparatus, bought to meet the varying radio conditions, is more to be relied upon than unknown apparatus that looks good in the catalogue, and is merely an ornament upon the shelves.

"Manufacturers, too, are learning their lesson from this slump. They are realizing that the time of 'order taking' is past and that the time of 'order getting' is here. They are learning now, if they didn't know it before, that in order to sell radio apparatus, they must give good value, serviceable merchandise, attractive prices and real service and dealer co-operation."

SPARKS

It is reported Doctor Marconi has obtained a speed of 200 words a minute in transoceanic radio messages.

Utah telephone companies are fighting the use of radio for commercial purposes. The old story of trying to sweep back the waves.

A San Francisco paper prints a funny picture of a young woman suing for divorce on the ground of "radio." She told the judge her husband hadn't noticed her for three weeks.

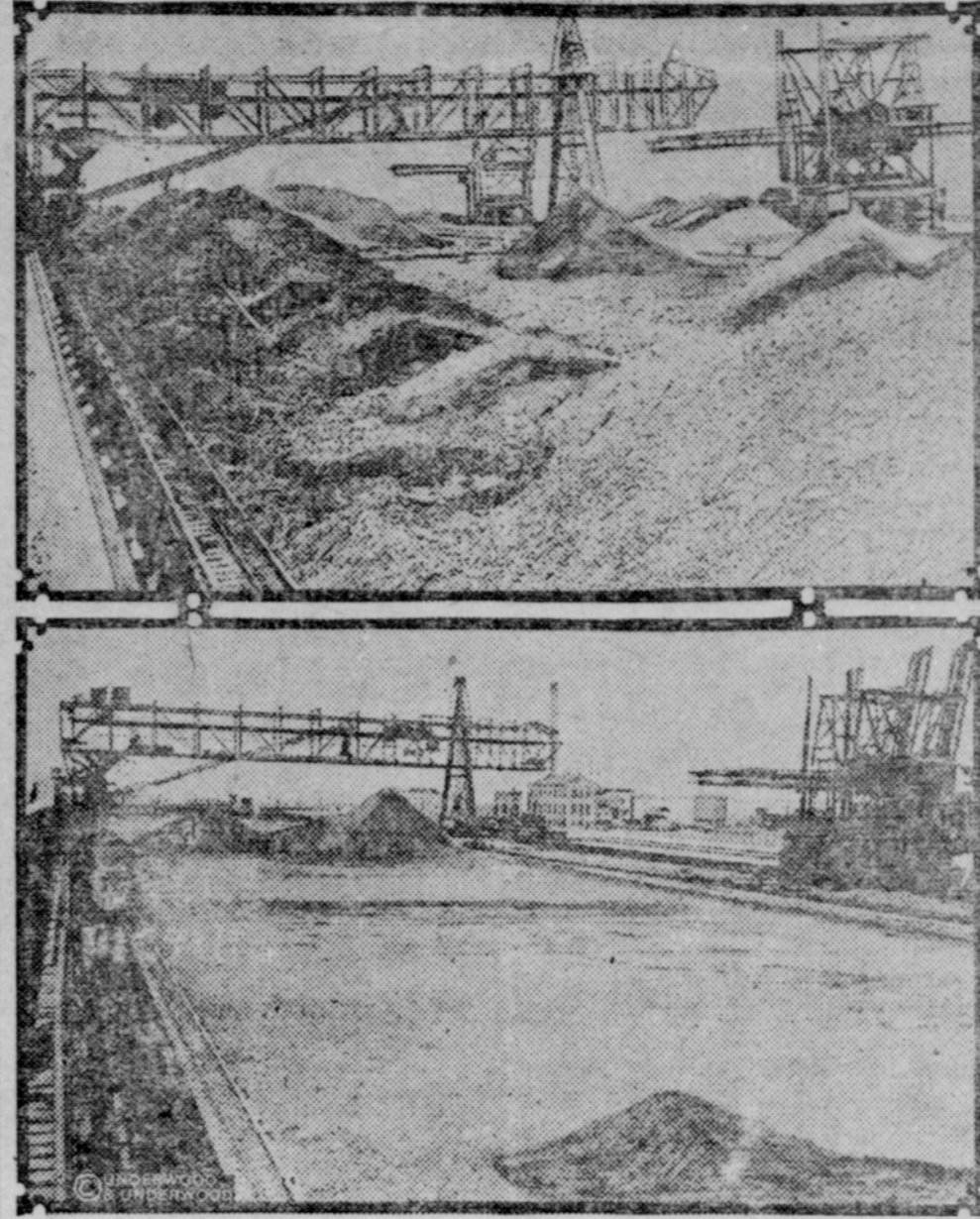
It is said the youngest licensed radio operator lives in Los Angeles, in the person of Bobbie Garcia, aged eight years. He is the son of an electrician and it is claimed helped to build the first radio station on the Pacific coast.

Three children were recently burned to death at Aiken, S. C., in a fire resulting from a short circuit in a radio transformer.

The national board of underwriters is sending out warnings of the necessity for protecting radio wires from lightning and light and power currents.

Radio is co-operating with the farmers' granges in the East, giving the latest prices for fruits and vegetables, which are posted for ready reference. The farmers claim false quotations have been given them heretofore by unscrupulous dealers in the big cities, and they have in this way been defrauded of large sums.

Illinois Coal Piles Are Dwindling



A glance at these photographs shows it is high time that coal mining was resumed in Illinois. Above is the coal yard of a big coke company in South Chicago as it looked last April. Below is the same yard as it is now.

Anti-Scandal Club Plans To Combat Gossip

LONDON, Aug. 30.—"Turn the key on scandal."

That is the motto of the latest society in England.

You hold a padlock in the hand, with due solemnity turn the key, and pronounce these words: "I promise to do my utmost never to say an unkind thing about anyone, whether true or untrue."

And having said, henceforth, you are admitted a member of the "Padlock society."

Dr. Armstrong Smith, of Letchworth, England, is the founder of the movement, and his ambition will not rest until millions of people in every country in the world have enlisted under the banner.

"In the course of a few weeks, ten countries have joined us," says Dr. Smith, "and in another month we hope to have a million members.

Our adherents are scattered over Britain, United States, Ireland, Austria, Holland, France, Hungary, Finland, Spain and Switzerland.

"What gives me most satisfaction is that two of our first members were respectively a policeman and a hotel keeper."

The rules of the society are simple and must be accepted wholeheartedly by every member. They are:

1. Get a padlock and unlock it.
2. Repeat the pledge in the presence of three witnesses and lock the padlock.
3. To remain a member repeat the promise with an open padlock in the presence of three members every New Year's day.

There are no fees, no forms and no inquiries. All the society insists upon is a promise to try to be more tolerant.

RUSSIANS TO CLEAR UP VARIOUS MONEY ISSUES
MOSCOW, Aug. 30.—In order to reduce the complex variety of money now in circulation in Russia, all the money published prior to 1922 will be withdrawn from circulation by January 1923. Before that date it can be exchanged in the banks for new money; after that date it is valueless. Any old money of small denomination will be withdrawn by October 1 of this year; but the notes from one to five million, and for 50 to 100,000, may circulate until January.

The new notes for which this money is to be exchanged is known as the "rouble of 1922" and one such rouble is worth 10,000 of the old roubles.

RAILROAD NOTES
H. A. Culp, assistant superintendent from Dunsuir, spent Saturday and Sunday in Ashland, looking after the welfare of the company.

Assistant Foreman Bess of the S. P. roundhouse, returned from the hospital at San Francisco recently, and is back at his old post again.

R. Goodman, who is with the S. P. carpenter gang at Dunsuir, spent Sunday in Ashland with his family.

Oregon is 28th in the United States in motor registration.

now in circulation in Russia, all the money published prior to 1922 will be withdrawn from circulation by January 1923. Before that date it can be exchanged in the banks for new money; after that date it is valueless. Any old money of small denomination will be withdrawn by October 1 of this year; but the notes from one to five million, and for 50 to 100,000, may circulate until January.

The new notes for which this money is to be exchanged is known as the "rouble of 1922" and one such rouble is worth 10,000 of the old roubles.

RAILROAD NOTES
H. A. Culp, assistant superintendent from Dunsuir, spent Saturday and Sunday in Ashland, looking after the welfare of the company.

Assistant Foreman Bess of the S. P. roundhouse, returned from the hospital at San Francisco recently, and is back at his old post again.

R. Goodman, who is with the S. P. carpenter gang at Dunsuir, spent Sunday in Ashland with his family.

Oregon is 28th in the United States in motor registration.

VINING
THE THEATER CAPITAL

TODAY AND TOMORROW

Gloria Swanson
BEYOND THE ROCKS
RODOLPH VALENTINO
Paramount Pictures

A gorgeous love drama of Paris Nights, Alpine Crags and Society Boudoirs.

—Also—
Pathe Review

Adm., 10 and 50c., incl. tax

The Outstanding Tire Values in the 30 x 3 1/2 inch field

NEVER before has the light car owner been offered such value as is now at your service in these two U. S. products—

ROYAL CORDS—the measure of all automobile tire values—both clincher and straight side—\$14.65.

The New and Better **USCO**—thicker tread, thicker sidewalls, more rubber—\$10.65.

SIZES	Royal Cord	Nobby	FABRIC	Usco	Plain
30x3 CL.	\$12.55	\$11.40	\$9.75	\$9.25	
30x3 1/2 "	15.60	13.00	10.65		
31 x 4 "	23.00	21.35	18.65		
30x3 1/2 SS.	14.65				
32x3 1/2 "	22.95	20.45	16.90	15.70	
31 x 4 "	26.45				
32 x 4 "	29.15	24.35	20.85		
33 x 4 "	30.05	25.55	23.65		
34 x 4 "	30.85	26.05	24.15	22.40	
32x4 1/2 "	37.70	31.95	30.05		
33x4 1/2 "	38.55	33.00	31.05		
34x4 1/2 "	39.50	34.00	32.05		
35x4 1/2 "	40.70	35.65	33.55		
36x4 1/2 "	41.55	36.15	34.00		
33x5 "	46.95				
35x5 "	49.20	43.20	39.30		
37x5 "	51.85	45.75	41.70		

Federal Excise Tax on the above has been absorbed by the manufacturer

Whether your choice is a Cord or a Fabric tire, the U. S. Tire Dealer can now give you U. S. 30x3 1/2 tires at the lowest prices in tire history.

The U. S. quality standard is even higher today than it ever was.

Copyright 1922 U. S. Tire Co.

30x3 1/2 USCO Clincher Fabric \$10.65

30x3 1/2 Royal Cord \$14.65

in both Clincher & Straight Side

United States Tires
United States Rubber Company
The Oldest and Largest Rubber Organization in the World
Two hundred and thirty-five Branches

United States Tires are Good Tires

Where You Can Buy U. S. Tires:

N. DIX & SON

Try the Classified Columns.