

LOCAL AND PERSONAL

Ashland Lodge No. 23 A. F. & A. M.

Regular communication, Thursday evening, November 9. Business—light refreshments—come.

GEO. B. ICENHOWER, W. M. W. H. DAY, Secretary. 58-1

Orres cleans clothes. Phone 64.

Daughter Visits Cole Family—Mrs. L. A. Abbott and daughter Bonnie, of South Bend, Wash., arrived this morning for a visit with her father and mother, Mr. and Mrs. W. N. Cole, 204 Weightman street. They will remain for a few weeks.

Visit Enders Armistice Sale on Friday and Saturday. 58-2

Printed butter wrappers, small lots, 25 cents a dozen; three dozen for 60 cents. Tidings Office. 51tf

Visits from Medford—Mr. Wilson, of Medford, district deputy of the Woodmen of the World, was a visitor in Ashland today.

Fatten up those turkeys and chickens for the holiday feast. We have a car of cracked corn and mill run at the right prices. Plaza Market. H. A. Stearns. 61 North Main St. 57-1mo

Save \$\$\$ by buying at Enders on Friday and Saturday morning. 58-2

Leave for Portland—Mr. and Mrs. Thomas H. Simpson of this city, and Mr. and Mrs. H. O. Frobach, of Medford, composed a party that left Tuesday morning for Portland, where they will visit the International Livestock exhibition, which is in session there this week. They spent Tuesday night at Eugene visiting with Mr. and Mrs. Simpson's son, Harold, who is attending the University of Oregon.

Dance, Jackson Hot Springs pavilion, Friday night. 58-3

Enders open Armistice morning until 11 o'clock only. 58-2

Attending the Exposition—Mr. and Mrs. A. E. Kinney, Mr. and Mrs. G. S. Butler and Mr. and Mrs. W. H. McNair, left today for a few days' stay in Portland, where they will attend the livestock exposition.

Good reliable dentistry at reasonable prices. Dr. Henry B. Purl, Beaver Bldg. 44tf

Ashland Granite Monuments, finished to order. S. Penniston, phone 444-Y. 46-26

Dance, Jackson Hot Springs pavilion, Friday night. 58-3

Cheap insurance is costly at any price. For sound insurance at reasonable rates, see Billings Agency. Established 1882. 34tf

Just received, a car of mill run. Crown egg mash, scratch feed, for those chickens. Plaza Market, 61 N. Main. 57-1mo

Detrick sells butter for less.

No. 1 Netted Gem potatoes for winter, \$1.90 per 100 lbs. Plaza Market, 61 N. Main. 57-1mo

Will Visit in North—Mr. and Mrs. C. O. Van Natta, Mr. and Mrs. Albert Johnson and Mrs. Jennie Gilbert left this morning for the northern part of the state where they will spend a few weeks. They expect to attend the exposition which is in progress at Portland this week.

A man is judged by his clothes. We'll be glad to fit you out. Paulserud's. 58-1f

Two expert mechanics, formerly of Salt Lake City, have taken charge of the repair shop of the Buick Sales Agency. All work guaranteed. 51-mo

Better insurance at reasonable rates. Billings Agency. Phone 211.

Football Team Passes Through—Twenty-three Multnomah club football players will pass through Ashland this evening en route to Pasadena, where they will play the San Francisco Olympic club Armistice day. With them are Coach Faulk and Harry Moscher, manager. The game will decide the Pacific coast non-collegiate championship. Bob Belouze, former Medford high school and Stanford player, will be among the players.

Help out the old coat and vest with a new pair of trousers. Paulserud's. 58tf

On account of Armistice Day—dance at Jackson Hot Springs Friday night, instead of Saturday. This week only. 58-3

Armistice day is coming. Let us help you get ready. Ashland Cleaning and Dyeing Works. Phone 63. Ladies' work a specialty. Auto delivery. 56tf

Not bargain clothes—bargain prices, at Paulserud's. 58tf

Friday and Saturday Grocery specials at Enders. Don't miss 'em. 58-2

Ask your grocer for Golden Sheaf Bread. 52tf

Ask your grocer for Golden Sheaf Bread. 52tf

Sweet Cider, made fresh every day, two gallons 75c, one gallon 40c, delivered. Phone 9-F-11. Everything reduced at Enders Friday and Saturday this week. 58-2

Buy your winter needs at Enders Armistice Sale Friday and Saturday. 58-2

Buy it at Enders Friday and Saturday. 58-2

MAY SHED LIGHT ON HISTORY

Signs in Northwestern Idaho, Apparently Centuries Old, Are to Be Subjects of Investigation.

Symbols and signs, believed to have been chiseled anywhere from 400 to 30,000 years ago, have been discovered on lava rocks in a remote section of Owyhee county, southwestern Idaho. The inscriptions bear striking resemblance to Chinese alphabet characters. The inscribed rocks are in the vicinity of several caves which scientists have arranged to explore. Two distinct types of carvings, ideographic and pictographic, have been noted. Archeologists believe the ideographic antedates by many years the pictographic. Both examples have been found on a single rock. Nearby is another rock with a possible third system supposed to antedate both the others, but which has weathered beyond possibility of deciphering. Indians say the more modern carvings are the work of their forefathers, but assert the others are the work of evil spirits. Resemblance of the inscriptions to Chinese characters is taken by some to substantiate the theory that the early American Indians descended from ship-wrecked Chinese or came from a race which migrated from Asia by way of Bering strait.



HE WAS WISE He: Darling, I wouldn't swap you for any ten other wives. She: Oh, George. He: No, sir! Living's too high these times.

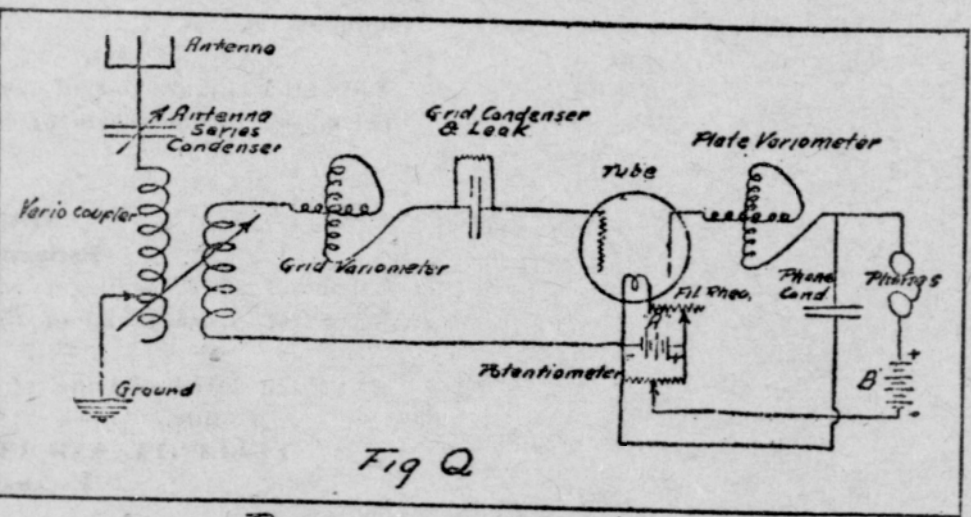
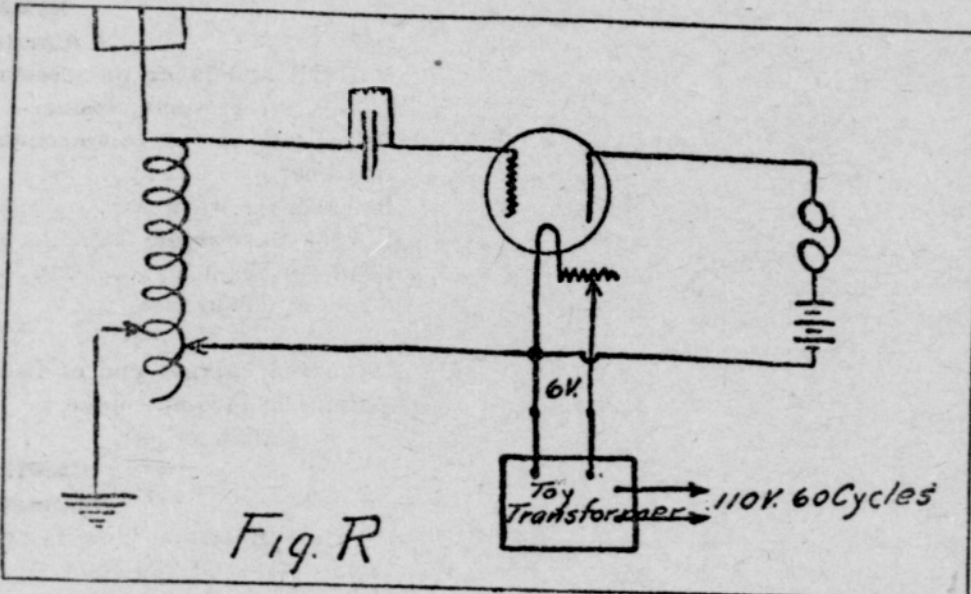
RADIO

BEST SOURCES OF FILAMENT CURRENT

Storage Battery in Conjunction With a Rectifier Forms the Ideal Power Supply.

When the filament current of a vacuum tube is adjusted at normal rated value a small change in filament current will cause a large change in the plate current. Suppose a certain tube is used in a regenerative receiver circuit. Not only does a variation in filament current change the plate current and cause a sound in the telephone receivers, but the plate impedance is changed, and the energy fed back to the grid circuit is changed, which causes the variations in plate current to be amplified.

In order, then, to maintain the plate impedance constant and also to reduce tube noises to a minimum, especially if the receiver is used for radiophone reception, the ideal source of filament current should be at a constant potential. A storage battery represents the best source of constant potential for filament current supply. For those who have alternating current available and want the best results, a storage battery in conjunction with a rectifier forms the ideal power supply for the filaments of the tube. This is especially true if amplifiers are used in conjunction with the receiver, for any variations in filament current causing noises in an amplifier set will be amplified by the successive tubes until the original noises become a veritable roar. If a single tube is used for reception without amplifiers it is possible



Regenerative Receiver

to use alternating current as source of filament current. There will always be present in the telephone receivers a 60-cycle hum, but by the use of certain circuits and auxiliary apparatus, this 60-cycle hum can be reduced to a minimum. The use of alternating current as a source of power supply for the filaments of the vacuum tube has its greatest advantages in cheapness, low maintenance, and the small amount of space needed for its apparatus. A small stepdown transformer of such ratio as to reduce the house lighting current to six volts, and of sufficient capacity to light the filament of one tube, can be mounted inside a receiving cabinet as an integral part of the set.

The greatest disadvantage of using alternating current on the filament of a vacuum tube is the ever present 60-cycle hum, and since the supply circuit potential is not absolutely constant, the filament current will vary from time to time, making it necessary to frequently adjust the filament rheostat.

The simplest method of using alternating current for filament current supply is to connect the usual "A" battery leads from the receiver to a toy stepdown transformer which will deliver six volts, as shown in Figure R. This connection, however, will cause a very loud hum in the receivers. Even though the incoming signal will be just as loud as though direct current were used on the filament the alternating current hum is so loud that it will drown out the average signal. Standard vacuum tubes require a potential drop across the filament of approximately five and one-half volts.

Progressing from the circuit arrangement to one in which the grid circuit is inductively coupled to the antenna, we have the circuit shown in Figure Q. In this type of circuit arrangement all of the circuits are tuned and the vacuum tube functions simultaneously as detector, amplifier and oscillator.

The antenna oscillator circuit consists of a variable and the tapped primary of a vario-coupler. By the use of a variable antenna series con-

denser, it is not only possible to tune finely, but also, by changing the ratio of capacity to inductance used to receive the same signal, the sharpness of tuning can be varied.

The grid circuit of the tube is coupled to the antenna circuit by means of a few turns of wire on the rotor of the vario-coupler. The tuning of the circuit is accomplished by means of the grid variometer. The grid condenser is the grid with respect to the filament, so that the only capacity in shunt with the inductance in the grid circuit is that between the grid and filament in the tube. The shunt capacity gives the greatest inductance with a very small value of voltage variation on the grid for a given signal in the antenna. Since a vacuum tube depends for its operation on the amplitude of the voltage applied to the grid, it is desirable to use only very small values of shunt capacity in the grid circuit, especially on short waves.

DR. STEINMETZ ON LIGHTNING

Noted Authority Answers a Question of Interest to Fans the World Over.

Doctor Steinmetz, who is an authority on high-power electrical phenomena, was asked the following question during his visit to the radio congress: Question: Doctor Steinmetz, many of us have amateur radio receiving sets in our homes. We have heard rumors that the underwriters consider that there is a fire hazard because of the antenna and the ground connections, and that certain restrictions may be placed on amateur installations. We would like to have your opinion as to the real hazard involved.

Answer: There is no hazard in the amateur radio receiving stations. It involves no fire risk nor risk to life. It is merely a harmless toy, but is a great deal more than a toy. It is one of the most valuable developments of the last years, by its instructive and educational value and the recreation and pleasure which it supplies. It would, there-

Man Is Baffled by High Unnamed Valley In Salmon River Ridge in the Syskiyou

High up the Salmon River mountain ridge in Siskiyou county, near the Trinity county boundary line, is a beautiful mountain valley of approximately 150 acres, which man is said never to have entered. It is claimed impossible for a man to get into the valley, though several have stood on jagged peaks and looked into what may be called the "promised land."

G. O. Laws, deputy fish and game commissioner in Trinity county, caught a glimpse of the mysterious valley a year ago. He, too, says it would be impossible to descend the jagged peaks that wait it in.

SEEKER FOR OFFICE OF MAYOR ARRESTED AFTER FIST FIGHT

ROSEBURG, Nov. 8.—S. K. Sykes, candidate for mayor, was arrested here on a complaint of F. P. Hardy, night watchman, charging him with assault and battery. Sykes appeared in court and pleaded not guilty, and trial was set for tomorrow.

There were no eye witnesses and Sykes denies the charge, saying that the whole charge is a frame-up. Hardy charges that he was in the act of investigating a car on the streets at 3 o'clock and a companion came along. The companion climbed in the car and left, and Hardy questioned Sykes as to his business at that hour.

Hardy claims that Sykes struck him in the mouth breaking his front teeth and cutting his lip.



CHILDHOOD GAME Brother Tom—How do you get the kids to Fletcherize so nicely. "By making a game of it." "I see. Playing chew-chew."

Good diggings have been found along this creek below the waterfalls. Gordon Abrams, of Trinity Center, has mined up this creek clear to the base of the waterfall precipice, and his returns in gold have been highly satisfactory. Abrams and a few forest rangers have made futile attempts to enter the valley. With spy glasses they can see the meadow land through which winds a tiny stream.

A grey streak crosses the valley, which Abrams thinks may be a quartz ledge, the mother of the gold that is found along the creek where he has had such good diggings. But it is out of the question for a man with ordinary appliances to descend into the valley. It is not named.

Forest rangers declare that it is very probable no human being has ever been in the valley, and it may be years before anyone will find means to enter it.

FARM REMINDERS

It is illegal to sell cider that has not been preserved or sterilized. Cider may be preserved by using one tenth of one per cent of benzoate of soda. This method is not always successful in preventing the formation of alcohol. The safest way is to use only good sound apples for cider making. Thoroughly strain product, place in glass or tin containers and sterilize for 30 minutes at a temperature of 160 degrees F.

Blanching Celery

Celery, if being blanched at this time of year, should not be allowed to stand between the boards long after it is fit for use. After the chlorophyll of the stalk has been changed to a yellow or white, depending on the variety, color, the quality, brittleness and flavor begins to be lost. Three weeks is usually the length of time required to blanch the stalks, although this time may be shorter or longer depending on the weather.

Plenty of grit should be provided

for the pullets in the laying quarters. Fowls not provided with grit soon show a loss of appetite and begin to lose weight. Proper use cannot be made of the feed without grit to grind it.

The most progressive potato growers who expect to certify or to have good seed are sowing carefully before the potatoes go into storage. This takes less storage space and removes the potatoes likely to start spoilage in the pit.

BEND RAILWAY COMMITTEE OPPOSES NATRON CUT-OFF

BEND, Or., Nov. 8.—The railroad committee of the Bend commercial club will protest against the complaint seeking to force construction of the Natron cutoff, filed by State Public Service Commissioner H. S. Corey. This was the announcement of F. Dement, chairman of the club committee, following the visit to Bend of I. H. L. Huson, vice-president and chief engineer for the Portland & Southeastern railway.

Huson merely asked that club take action favoring consideration by the interstate commerce commission of all possible routes east and west across the Cascade mountains in Oregon, but that the club committee's stand was taken with the belief that the cutoff will not serve the best interests of inland Oregon.

TOO LATE TO CLASSIFY

WANTED—Used bed Davenport. Phone 122. 58tf

FOR SALE—Five room, modern house, all in the very best repair, good location, garage, wood shed, good lot, with fruit and garden, selling because owner is going away, must sell very soon, the price has been put down to the very lowest they can afford to take—\$2300. The FURNITURE goes with the house. See Beaver Realty Co. 58-3

FOR SALE OR EXCHANGE—Desirable house in North Bend, Ore., 6 rooms and basement, close in, lot 60x100 feet. Also shoe shop doing over \$200 per month cash business. I want small property or acreage in or near Ashland. C. H. Jerome, owner, North Bend, Ore. 58-eod\*

THE IDEAL CHRISTMAS GIFT—YOUR PHOTOGRAPH. Next to seeing you in person Christmas Day, nothing will please your relatives and friends more than YOUR PHOTOGRAPH. And a dozen takes care of twelve gifts. Ask us about our November Special. DARLING STUDIO

VINING THE THEATER BEAUTIFUL TODAY AND TOMORROW Rudolph Valentino —in— BLOOD AND SAND The thrill of the Spanish sport—The hot-blooded toreador, Valentino— See him yield to the lure of the titled Spanish temptress—And all that follows. Thrills—Splendor! —Also— "AESOP'S FABLES" —and— TOPICS OF THE DAY First Show 7:15; Second Show 9 Admission, 10 and 50c

Try the Classified Columns.

MAXWELL THE GOOD MAXWELL A.W. WALKER AUTO CO. Phone 18 MEDFORD, OREGON The Good MAXWELL Cord tires, non-skid front and rear; disc steel wheels, demountable at rim and at hub; drum type lamps; Alemite lubrication; motor-driven electric horn; unusually long springs; new type water-tight windshield. Prices: f. o. b. Detroit, revenue tax to be added: Touring Car, \$985; Roadster, \$985; Club Coupe, \$985; Four-Passenger Coupe, \$1235; Sedan, \$1335