LOCAL AND PERSONAL

Returns from Eugene-

Miss Agnes Danford, who has been attending summer normal at the state university at Eugene, returned home Saturday evening. Miss Dan- USE OF CHOKE COIL ford spent the past week visiting a brother at Portland.

Automobile insurance a specialty. Ask Mr. A. L. Lamb. Yeo, of course. Latter Provide the Most Prac-

Vacationing at Newport-

Mr. and Mrs. G. S. Butler left today for Newport, Or., where they will spend the next two weeks on a circuit of a three-stage resistance vacation.

Phone 274-J. Yeo of course. 265tf be 1,000 times the input. The resist-

All-Day Picnic-

Tuesday in Lithia park by the Junior drops to be applied to the grid of the Endeavorers of the Congregational next tube. church. They will have lunch at the of allowing the potential variations noon hour and it is their intention across the coupling resistance R to to take along enough eats to have be applied to the grid of the next tube, some left for the evening meal.

job of plumbing. First class materfal and workmanship. Phone 138. 207 E. Main street.

Visiting in Ashland -

D. D. Good, formerly of Ashland, the plate current to zero. but who now lives in Dunsmu'r, was in town visiting today.

LEEDOM makes the price on MASON CORDS. Come and get 'em at LEEDOM'S TIRE HOSPITAL. 270-tf

Leave for East -

The H. T. Elmore family left yesterday by auto for the state of Maine. They will go by way of Portland and Yellowstone park, from where they will take the Yellowstone trail on east.

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

Some Apricot Crop-

A. C. Joy brought a small twig from one of his apricot trees into the Tidings office Saturday evening. It had the appearance of a full-sized tree. Though only about two feet in length, it had 38 good, big apri-+ cots thereon. Needless to say, there are none of them left at this time.

Green apples-Gravenstines. Can't beat 'em for pies and sauce. 25 pounds for \$1 delivered. Phone 9-F-11.

Selling Rand-McNally Maps-

W. M. Messick is in the city selling Oregon state maps, made by the tube well known Rand-McNally company. Mr. Messick states that he will be located here permanently. He is a audio frequency. graduate of the state school for the blind, but has the partial sight of one eye, which enables him to make his way about his business without requiring any assistance.

To Whom It May Concern-

John D. McRae is not connected with the firm of Swenson & McRae. (Signed) John D. McRae. 284-3*

Locksmith. Fixit Shop.

Leaves for Newport-

F. B. Sanger, of 657 B street, left today for Newport to spend several days on a vacation trip. Mr. Sanger is one of those people who seldom take a vacation and has certainly earned this one, it being the first in about 14 years.

Cliff Payne makes folding screens.

LINEMAN ELECTROCUTED

ON WIRES AT ALBANY ALBANY, Or., Aug. 7.-Sigert Myers, a lineman for the Mountain States Power company was electrocuted here yesterday afternoon when he slipped and fell into contact with a live wire carrying 2300 volts. Myers has been a resident of this place for two years. He is survived by his widow and two year old son.

UNIFORM INDUSTRIAL

LAW IN U. S. FAVORED uniform law to establish tribunals in the various states of the nation for the settlement of industrial disputes vitally affecting the "life, liberty and pursuit of happiness" of the public at large, was approved yesterday by the national conference of methods. commissioners on uniform state laws, in session here.

TWO LARGE SHARKS ARE

CAUGHT AT NEWPORT excitement was caused Tuesday tions into maximum potential variawhen the fishing boat Discovery tions. The plate circuit of each tube brought in two large man-eating which includes the primary winding sharks. These fish, caught just out- of a coupling transformer must be side the harbor, were the first to be seen here for years.



AND TRANSFORMERS

tical Method of Coupling for the Amateur.

Figure XXVIII shows the actual coupled amplifier. The output of such a circuit is K times K times K the input or assuming the amplification factor Good insurance at good rates. of each tube to be 10, the output would ance R is the coupling resistance whose function it is to transform the An all-day pienic will be held plate current variation to potential

> The capacity C is simply a means yet not allowing the "B" battery applied to the plate circuit of a tube to from becoming excessive and reducing munication and entertainment.

that very high plate battery poten- well as development of long-distance

assigned for maximum power amplification, while at the same time the ratio of the transformer must be such as to deliver maximum potential to the grid circuit of the next tube.

The greatest advantages of the transformer method of coupling audio Boslough, lots 28 and 29. Mountainfrequency amplifiers are the high degree of amplification, the relative simplicity of operation, and the low

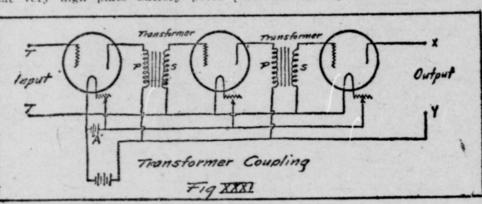
plate voltage required. Chief among the disadvantages of the transformer coupled frequency amplifier is noise. Also the transformers amplify different frequencies to different degrees, which means that when this type of coupling is used for radiophone reception, the transformers. However, from a practical standpoint, the average amateur former coupled audio frequency amplican be used with the tubes and equipment now available.

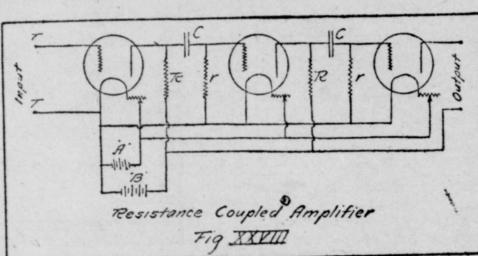
GREAT BRITAIN VS. AMERICA

Radio Amateurs of Those Countries Pursuing Distinct Courses in Development of Receivers.

Two separate and distinct courses are being followed by the radio amateurs of this country and Great Brit-Let Jerry O'Neal figure your next be applied to the grid of the next. ain in the development of receiving Because of using the condenser to, apparatus for continuous-wave telegwhat one might say, insulate the grid raphy and wireless telephony. Both from the "B" battery potential, it is courses are of the utmost importance necessary to use a grid leak, to keep to the art, and each will exert a great the charge which collects on the grid influence on the future of radio com-

> The American amateurs have gone One of the chief disadvantages of along the lines of regeneration and the resistance coupled amplifier is amplification of audible signals, as





tials are necessary. The amplification per tube of a resistance-coupled amplifier is not as high as it is for some other methods but it is stable and does not distort the input as much as do some other methods used which give greater amplification per

Resistance-coupled amplifying may be used to amplify either radio or

A method of transforming the change in plate current of a vacuum tube to differences in potential is by means of a choke coil. A choke coil consists of a number of turns of wire wound up in a multilayer coil and may or may not have an iron core. A coll of this kind offers a high impedance to the flow of alternating current, but has a relatively low direct current resistance.

The choke coil on account of having a low ohmic resistance, will have lower "B" battery potential can be used on choke coil coupled amplifiers | tlc ocean. and the batteries can be of smaller

uted capacity. The distributed ca- tor on board, so the captain sent out pacity of the coil plus the capacity of wireless calls for assistance. the plate with respect to the filament, together with the inductance of the doctors told the captain what treatcoil, give to the plate circuit a cer- ment would be likely to give the best tain definite period. That is, the plate results. circuit is an oscillating circuit whose resonant frequency is determined by than this; it put 150 miles out of its the total capacity and inductance in course and sent a lifeboat with the

it will not only serve to transform the ferred to his ship. When the lines plate current variation with maximum plate potential variations, but it will also serve to tune out unwanted frequencies. When the plate circuit of the amplifier is tuned, the resonant frequency is amplified K times, but all plain, other frequencies are amplified to a

less degree. Another and by far the most cauldron. widely used method of coupling successive tubes in a cascade amplifier is SAN FRANCISCO, Aug. 7 .- A by-means of transformers. The transformer method of coupling amplifier tubes may be considered a development and a refinement of the simpler choke coil method. Coupling tubes Journal. by means of properly designed transformers will give a greater amplification per tube than any of the other

Figure XXXI shows the diagram of a three-stage transformer coupled amplifier, where P and S are respectively the primaries and secondaries wife."-Louisville Courier-Journal. of the coupling transformers. The transformer as a whole is so designed NEWPORT, Or., Aug. 7 .- Much as to convert the plate current varia-

reception on short waves by the superheterodyne principle.

On the other side of the Atlantic the British amateurs, restricted in their hobby by ultra-conservative government regulations, have turned their attention solely to radio-frequency amplification. This has given excellent results on all long and medium wave lengths, but its success on shorter wave lengths has depended solely upon the expert handling of the operator, who has been compelled to use tuned coupling circuits between each of the radio-frequency vacuum tubes.

It is too early yet to tell which of the two systems will ultimately triumph, but there is no doubt that the laurels at the present moment rest upon the American amateurs through the latest achievement of their leader, Armstrong, in the production of the super-regenerative system.

Liner Delayed to Save Life. The value that we set on human a smaller method of coupling, so that life today has been dramatically illustrated by an incident on the Atlan-

An explosion in the engine-room of a freight ship caused terrible in-The choke coil not only has induct- juries to the second engineer, a young ance but a certain amount of distrib- man named O'Neal. There was no doc-

Seven ships replied. In six cases

But one passenger liner did more ship's doctor in it, who attended to If the choke coll be made variable, the patient and then had him transreached England he was comfortable and on the way to recovery.

That's It.

Mr. Wampoodle was trying to ex "You know what I mean. It's the

play where they have the witches' "Witches Cauldron."

"Yeah." "Oh, yes, I know."

"Yeah.' "You mean the home brew scen from Macbeth,"-Louisville Courier-

Hubby and Wifey. "I've learned one thing from this fishing trip."

"What is that, dear? "You will wait more patiently for a cheap fish than you will for your

He Was Through. "I miss your neighbor across the way at the piano this evening. He

plays with such finish." "Yes, he's finished; the installment man took his piano this morning."-

Try the Classified Columns.

AT THE COUNTY SEAT

Real Estate Transfers Arthur W. Boslough to Myrtle C.

view addition to Ashland-\$1. B. F. Lewman et ux to Glenn Provolt, land in sec. 7, twp. 38 S., R. 4 west-\$10.

W. J. Albert to E. Utter et ux, land in sec. 8, twp. 39 S., R. 1 east

Mathilda J. Adkins et al to F. E. Merrick, land in sec. 30, twp. 37 S., R. 1 west-\$1. J. A. Perry et ux to Farm Bureau

Co-operative Exchange of Medford, voice is distorted by the amplifying lots 1, 2, 3, 10, 11, 12, block 34, Medford-\$12,400. Mabel Evans to William C. Hood.

will have better results using trans- lot 3, Crestbrook Orchard tract-\$10 Eleanor McQuiston to Margaret E. fiers than from any other method that Goold et vir. lot 5, block 1, Page addition to Medford-\$10. Sheriff to W. S. Depeau, lots 40,

41, 42, 43, 44, 45, block 2, White's addition to Ashland-\$257.28. Eli W. Davis to D. N. Davis et ux, v. d. to N1/2 of NE 1/4, SE 1/4 of NE 1/4, sec. 8, twp. 40 S., R. 3 east-\$10. A. D. Perdue et ux to Harold F. Nelson, w. d. to land in d. l. c. 61, twp. 37 S., R. 2 west-\$10.

Circuit Court C. E. Terrill et al vs. Chauncey Florey et al. Motion to dismiss, affidavit of prejudice, affidavit of C.

Piano House vs. Dwight Hale's Return of summons. Vimont. Pearl W. Smith vs. Arthur L. Smith. Answer.

Florey et al. Demurrer of defendant C. Florey. Answer of defen- French classics. The academy was dant C. Florey. A. W. Walker as Walker Auto

company vs. Fireman's Fund Insurance company. Notice of appeal. Maggie Inlow vs. Fred Inlow. Complaint.

Earl H. Fehl vs. city of Medford. Opinion, undertaking on appeal. Medford Furn. & Hdwe. Co., vs. and L'Academie des Sciences Morales M. F. Hanley. Complaint.

Co. Stipulation. Pearl V. Collins vs. E. A. Collins. Motion to strike. Hazel E. Ward vs. Harry E. Ward.

Complaint. J. T. Sullivan vs. P. Welch et al. Assignment. Complaint.

J. T. Sullivan vs. P. Welch et al. Reply. Charles Painter vs. F. L. Tou where some road excavating was be of the following officers: Superin- FOR TRADE-160 acre unincum Velle et ux. Undertaking; order; dissolving injunction; stipulation. J. W. Dressler vs. Pacific Record Herald Publishing Co. Plaintiff's

Leonie D. Schmitt vs. Jackson Co. Creamery. Stipulation; order. ney et ux. Undertaking; oath. Credit Service Co. vs. W. H. Tru- preservative. A buckskin shirt also ax et al. Notice.

ballot boxes for purpose of canvass- from the excavation." ing vote at recall election. Ella H. Smith vs. William Sears. Affidavit; motion; order of default;

judgment; cost bill. Probate Court cation; receipt of heirs; inventory;

appraisement. In the matter of cancellation of interest and penalty on personal Niger they avoid the neighborhood property tax of R. W. Stearns. Order for substitution of guardian.

Estate Jacob Conley. Notice of Estate James Boyd. Affidavit of Estate of Harriet N. Osborne. Or-

Estate James C. Gibson. Proof of publication, Estate E. V. Maddox. Inventory and appraisement. Estate Emma Z. Tackstrom. In

ventory and appraisement. Estate Michael Sweeney. Invenory and appraisement. Articles of incorporation of Rogue River Mining and Milling Co.

Myrtle Point-Fifth and Sixth streets being improved.

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The 47th Year Opens October 2, 1922 For acatalogue or any information write The Registrar, University of

Oregon, Eugene, Oregon.

The Forty Immortals. A name often given to the 40 members of the French academy is the Immortals. These members are elected for life to the academy which meets twice weekly in Paris and which constitutes the highest authority on everything appertaining to the niceties of C. E. Terrill et al vs. Chauncey the French language, to grammar, rhetoric, poetry and the publication of the founded by Cardinal Richelieu in 1635. and is the most important and best known of the five academies composing the French institute, the other four being L'Academie des Inscriptions

et Belles-Letters, L'Academie des Sciences, L'Academie des Beaux-Arts. et Politiques. Membership in the acad-A. W. Walker as Walker Auto emy is the highest distinction within Co., vs. Fireman's Fund Insurance the power of the nation to bestow upon a literary man,-Kansas City Star.

Relics of Long-Past Age.

A large copper kettle and other relics of a past age, believed by students ployes, the same as old employes T. L. POWELL-GENERAL TRANS of archeology to have been buried Bertha Harris vs. Samuel Harris. 1,000 years, were unearthed recently by Dr. H. C. Myers, professor of chemistry at Whiteworth college, Spokane, Wash., a few miles north of the city,

"With the copper kettle," said Doc- Francisco, Oakland Pier, Sacramentor Myers, 'was the skull of an In- to, Stockton, Dunsmuir, Bakersfield, dian, wrapped in a piece of buffalo Los Angeles; Assistant Superintenskin. The copper was so old it had dent, Sparks, Nev., and Roseburg, changed to copper carbonate. This Or.; Superintendent Motive Power, W. C. Clements vs. S. H. Court- chemical compound had been absorbed | Sacramento and Los Angeles. by the skull, and it had served as a was found in the kettle. A few beads Order, in the matter of opening and some wampum also were secured

The Ostrich in Africa.

INTERURBAN AUTOCAR CO. Some time ago the French authorities in western Africa undertook to (Effective January 1, 1922) Estate Otis Hall. Proof of publi- organize the breeding of ostriches in the territory under their control. Os-LV. MEDFORD triches are found wild in many parts of western Africa. Along the River 9:00 a. m 10:00 a. m. of man, but on some of the islands in Guardianship of Geraldine Theiss. that and other rivers the natives have 11:00 a. m. established rude ostrich farms. One 1:00 p. m. official, who was appointed to study 2:00 p. m. the subject, says that the methods of 3:00 p. m. the ostrich farmers of the Cape can-4:00 p. m. not be fully carried out in French 5:00 p. m. territory. It is necessary to leave the 6:00 p. m. ostriches in a partially nomadic state. 7:00 p. m. They migrate more or less with the 8:30 p. m. Sat. only seasons. When it becomes too dry 9:30 p. m. 16:30 p. m. Sat. only 10:30 p. m. in the south they go northward.

The New Qualification.

"I presume there is no need of my asking whether you are conversant with the duties of your position?" "Indeed, no, ma'am, trust me. Be-

fore I have been here a week you will have evidence enough to get a divorce in any state in the Union."-

> C. B. LAMKIN BARGAINS IN REAL

> > ESTATE

City and Ranch Properties Houses to Rent

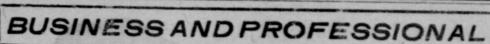
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plicants should apply at SOUTHERN

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Francisco (open 8 a. m. to 8:30 p.

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\$4.15; Grants Pass-Roseburg, \$3.00.

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LV. MEDFORD

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1:00 p. m.

4:45 p. m.

10:00 a. m.

4:30 p. m.

7:00 a m.

LV. ASHLAND

8:00 a. m.

9:00 a. m.

10:00 a. m.

11:00 a. m.

1:00 p. m

2:00 p. m.

3:00 p. m.

4:00 p. m.

6:00 p. m.

7:00 p. m.

LV. ROSEBURG

LV. G'T'S PASS

7:30 a. m

1:00 p. m.

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10:00 a. m

4:30 p. m

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DR. MATTIE B. SHAW-Special at tention to mothers and children. Internal sceretions and endocrine glands. Res. and office, 108 Pioneer avenue. Telephone 28. 0ffice hours, 11 to 12 a. m.; 2 to 6

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your oven home. DR. E. B. ANGELL-Chiropractic and Electro-Therapy. The combination does wonders. First Nat'l Bank Bldg. Phone 48-142. "Nature abhors a vacuum" tf

CONSERVATORY OF MUSIC SHEETMETAL WORKERS The Ashland Conservatory of Music opens September 5th, 1922. Madame Tracey-Young, directress. The school of daily instruction in all branches of music. The Leschetizky method. The secretary will be pleased to supply any information desired. Address Box 54, Ashland, Oregon. 280-1mo*

> TEACHER OF PIANO-The Leschetiezky method. Pupil of Madame Tracey. Lolita Pierson. Phone 485-J, Boulevard. 282tf

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FER - Good team and motortrucks. Good service at a reasonable price. Phone 83

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or phone 122. FOR RENT-Nicely furnished fourroom apartment in private family. Adult couple preferred. Also six room house close in. S. L. Allen

285-tf

FOR SALE.

12:00 noon HAY FOR SALE-By G. F. Billings. FOR SALE-Acreage on highway, splendid soil. Five acres. 10 acres, 15 acres, 20 acres, and the price is right. O. A. Manning, Talent, Oregon.

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W. A. SHELL DOCTOR STUDYING COUNTRY IN VICINITY OF DORRIS DORRIS, Calif., Aug. 7. - Dr.

> Frank C. Clark, president of the Southern California academy of Sciences and a prominent doctor of Los Angeles, is spending a few days in Dorris visiting with Mr. and Mrs. W. G. Hagelstein. Mrs. Hagelstein is Mrs. Clark's niece,

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