Friday, September 1, 1922

Development of Oil Shale and Kaolin Deposits Bids Fair To Make Ashland Southern Oregon's Industrial Center

Work of exploiting the resources in clear water, a black scum arises. of Ashland along industrial lines which is pure lampblack. The resi, bids fair to make more progress due of the shale is a high grade fire within the next 60 days than its clay, particularly adapted for the scen'c resources have in the past 60 manufacture of tile and sewer pipe. In producing the o'l, there is genervears.

Lying practically at the doorstep ated considerable cansenhead gas, of of the city are two great fields, al- the same quality used for general most unlimited in quantity, of oil heating and lighting purposes. This shale and kaolin, the latter product can be obtained at the rate of a used in the manufacture of crockery million and quarter cubic feet every 24 hours, sufficient to furnish light and pottery.

Years ago, kaloin was hauled to and heat to the entire Rogue River Ashland in wagons, and carload af- valley at a very low cost.

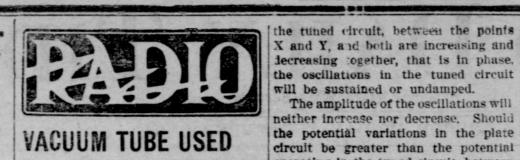
ter carload shipped to Portland. The With the possibility of cheap fuel project was ultimately given up, ow_ in the near future, interest in the ing to the great expense occurred in old kaolin deposits is being revived. making the shipments. It was de- There is an entire cliff of this subcided then to await the development stance about 21/2 miles east of the of some kind of cheap fuel. The oil shale field. Requests for sam. sudden development of the oil shale ples have reached the chamber of deposits seems to solve the question. commerce at various times during Recently the oil shale deposits at- the past few years from eastern GREET NOVEMBER ELECTION tracted the Hartman syndicate, who, manufacturers, but owing to the

after carefully studying the field, great expense of obtaining it, little SALEM, Or., Sept. 1 .- Prospects placed an order in the east for a has been done toward developing

vember election, in spite of the nine pounds. Shipment of the retort is Two Portland men were in conreferred and initiated measures, are being delayed temporarily, due to ference with H. W. Hartman, head seen by state officials here as the uncertain railroad conditions. For of the syndicate, a week ago, during result of recent developments in the the purpose of demonstrating the which they inquired chiefly as to attack on the petitions filed for the pdinciples involved in the enterprise, the probability of gas being furn-Green salmon fishing bill and the a one ton retort has been put in op_ ished in the event of a factory being Albright interest rate amendment. eration in a local garage, where it established here for the manufac. Should the court uphold the con- is performing in a more than satis- ture of crockery from kaolin. Upon receiving the information that it

> STEARNS' ELECTRIC PASTE It also kills mice, gophers, prairie dogs coyotes, wolves, cockroaches, water bugs and ants. A 35c box contains enough to kill 50 to 100 rats or mice. Get it from your drug or general store dealer today. **READY FOR USE-BETTER THAN TRAPS**

ASHLAND DAILY TIDINGS



AS AN OSCILLATOR gy Into Undamped Alternating Current of Any Frequency.

As an oscillator, a three-electrode vacuum tube has the property of transforming the direct current eneran undamped alternating current of any desired frequency. By connect- It Exists in All Seasons and Can Be

Possibilities are the raw ma- . ing the tube functioning as an oscillator in the proper electrical circuit, ♦ terials out of which all great
♦ alternating currents have been obtained ranging in frequency from one-

tubes.

۲ Sooner or later human birth 🗇 for the amateur. month, each line, each time.. 7c @ control will be made compul_ @ To run every issue for one month | . sory to make room in the world . If for the automobiles.

AND

BY BERT MOSES

Truth is no stranger than

An "artistic temperament" is

The law of gravitation is al_

• ways at work on a man's repu- •

To run every issue for one month @ HEZ HECK SAYS:

things are made.

"Undertakers is gittin' ô more out o' bootleggin' than the bootleggers thempoint line 5c 🗇 selves."

Fraternal Orders and Societies tured goods and trade with home Advertising for fraternal orders or societies charging a regular initi- merchants, it makes for brisk conditions. In turn, it is the duty of the ation fee and dues, no discount. Remerchant to find a market, and the ligious and benevolent orders will be highest possible market at that, for charged the regular rate for all ad every pound of produce the local vertising when an admission or other growers have to offer. Cash should be the price paid for farm, orchard, What Constitutes Advertising garden or poultry and dairy prod-In order to allay a misunderstand- ucts. Cash is then available for the ing among some as to what consti- producers and mechanics, profestutes news and what advertising, sional and business interests to pay we print this very simple rule, which for what they get. The circle is an is used by newspapers to differenti- endless one, and trading is lively, ate between them: "ALL future everybody enjoys the benefits of events, where an admission charge such a course. However, it is too is made or a collection is taken Is often the case that some one con-

ADVERTISING." This applies to cludes that he can buy cheaper from organizations and societies of every some faraway concern, and so makes out an order and sends for the All reports of such activities after goods. Just that much money is meetings of societies where no that has ben running smoothly. Cash in grid circuit potential.

the

the oscillations in the tuned circuit will be sustained or undamped. The amplitude of the oscillations will neither increase nor decrease. Should the potential variations in the plate circuit be greater than the potential

operating in the tuned circuit, between the points X and Y, then the oscillations in the tuned circuit will -increase in amplitude until the tube be-Transforms Direct Current Ener- comes saturated. At this point the upper and lower bends of the characteristic curve keep the amplitude of the plate circuit oscillations from further increasing as the amplitude of the grid circuit oscillations are increased.

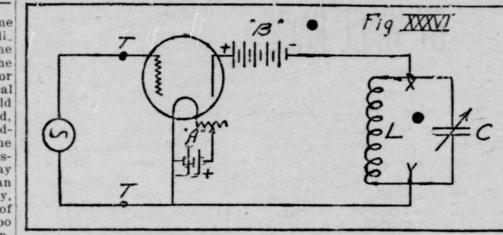
gy supplied to the plate circuit into SOME TRUTHS ABOUT STATIC

Reduced by Several Known Processes.

In an exceedingly interesting article half cycle per second to 150,000,000 in Radio Merchandising, John Walker cycles per second. In fact, a vacuum Harrington discusses the question of tube used as an oscillator is about the summer static. "What are the facts only source of undamped alternating of static?" he asks. "Static consists of current at radio frequency available strays or of certain electrical disturbances which must be counteracted if

Undamped or continuous wave tel- we would have perfect transmission. egraphy and radio telephony are made It furnishes a means of relieving the possible only by use of the vacuum tedium of success, just as engine troubles keep the automobilist from

When the three-electrode vacuum drifting into the calm of a smug comtube was functioning as an amplifier placency. It is not well for a radioist it was explained just how operating to be too sure of himself, and static is the grid at a midpoint of the char- an antidote to inflation, which is just acteristic curve caused the plate cur- as good in winter as it is in summer. rent to vary synchronously, with the There is static when there is snow grid potential. Not only did the plate and rain-and plenty of it when the



current vary synchronously with the thunder rolls. As there is usually grid potential, but if the plate circuit more lightning in the hot months than were tuned the potential variation in the cold ones, we are likely to have in the external plate circuit was an a little more static in warm weather. All coming social or organization much like a broken cog in a machine amplified reproduction of the change "The reduction of static is a process which has its own technique and is as

money contribution is solicited, initi- out is a direct loss to the local mer_ In Fig. XXXVI is shown a three- much a part of the game as the meetation charged, or collecton taken 18 chant. It also is a loss to the pro_ electrode vacuum tube with an alter- ing of storm conditions is an essential nator furnishing an alternating dif- factor in navigation. By making more



A Hippopotamus's wife Led him a greatly hen-pecked life, And not infrequently she'd term This Hippopotamus "A Worm!"

"The Worm will turn", cried Mr. Hip And took a drink—and bought a whip. But though he cracked the whip and roared

His wife soon had the Hippo floored. Moral a worm may turn a bit But fail to get away with it!

MEASURELESS BALLOT MAY

of a measureless ballot at the No, huge retort, weighing 90,000 the kaolin deposits.

tention of the contestants who are factory manner. attacking the right of these two The oil shale deposits comprise a would simply be the problem of pipmeasures on the ballot because of territory of 3160 acres, eight miles ing the gas a matter of a few miles. alleged irregularities in connection east of north of Ashland, at the head they returned north.

with the certification of the names of Antelope valley, and between on the petitions, it is believen that Grizzley peak and the Dead Indian similar attacks will be launched road. The retort, it is hoped, will against the other measures in an ef- be placed on the ground before snow fort to keep them off the November falls in the mountains, and the plant in actual operation by next ballot.

In the attack on the salmon fish, May. This retort will have a capacing bill as in the attack on the in- ity of 250 tons, with a productive terest rate amendment, it is alleged ness of 500 barrels of a very high that thousands of names on the in- grade oil, with a parafin base, a day. itiative petitions are not legal be. This, it is said, can be produced at cause they were certified to as to the cost of 40 cents a barrel.

the status of the petitioners by no- Besides the oil numerous by-protaries public who could not know, ducts are obtained. From the spent personally, the qualifications of the shale, when subjected to immersion

signers and were, therefore not competent to certify to their legal-

Vhen They

NEWS.

charge is made.

PARE TWO

ter.

Ashland Idings

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Published Every Evening Except

Sunday

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CHOOSING A PROFESSION an universities will resume the work of the year in a few weeks.

kind as well as to individuals.

they have occurred is news.

their eyes opened to the future? Do county. Make it a point to employ condenser, C, the natural period of amateur knows it thoroughly well, and they understand themselves, what lic or private, and in town labor will can be made the same as the fre- come the custom to speak in awe kind of work they are best titted doubtless show its appreciation by for, and do they pursue a course of buying of the home dealer. This study along these lines? Too many practice can be followed by men and of them do not.

students, many simply because they did not choose the proper profession.

A student goes to college. The environment is strange. The system of study, of attending classes and

instruction is also different from YREKA, Calif., Sept. 1.-Every by an alternator connected to the grid that to which he or she has become motor car party entering Siskiyou circuit. Instead some of the output accustomed during the four years of county from Oregon, is to have an to the grid circuit, thus making the high school. He sees some one that official welcome at the state line tube self-exciting. Fig. XXXVII shows has made a name for himself at and will be served with free maps, how this is accomplished. college and is taking a certain pre_ touring and traffic information, un_ In place of the alternator that was

scribed course of work. Perhaps the der new policies adopted by the connected across the grid circuit at title of the subjects attract him. It board of directors of the California T-T to externally excite the tube by sounds nice. He would also like to Automobile association.

sounds nice. He would also like to Automobile association. engage in this kind of work. The These policies were announced by The two colls forming the inductance l. labor is congenial. He wears a President George S. Forderer at a 1 and L are placed close together so white collar. The course is taken, meeting of association department that the potential variations that ex-At the end of a year or two it is heads and branch managers held in ist between X and Y will be transdiscovered that nature has not ad- San Francisco recently. They will

apted him for this particular type be put into operation for the reof work. Interest in the subject is mainder of the present touring sealost, grades fall lower and lower. son, and with the opening of the The black veil of disappointment 1923 season, the California State covers him. He has no heart in his Automobile association's welcome work, and he leaves school, not real_ sign will have been erected at all izing that it is not the course or the points of ingress into northern Calischool, but himself, that is to blame. fornia.

Result - another young man or The decision of the association to woman enters the world with but serve visiting motorists with free maps and touring information is a half an education. College portals are not the proper distinct contribution to northern

places to decide upon a profession California development. The assoor a career. This should be done in ciation will place at the state line high school, and work taken that signs reading:

will lead up and prepare the student "Visiting motorists-The Califor- ferred from L to the grid circuit for the finfal four years, during nia State Automobile association is through the medium of the coll 1, which time an opportunity is given at your service during your stay in which has replaced the alternator. for deeper study and research into California. Maps, state registra- Any disturbance in the circuitsthe subject. Study yourself, have tion requirements, traffic laws and electrically-such as the tuning of some one that understands the field road information supplied without either the A or B battery will cause you desire to enter ,talk with you charge." Y. This change will be transferred

Decide early, and then bend all of your energies to that end, and a DAVIS CUP MAY STAY IN U. S. cuit by the magnetic coupling existsucessful career in the chosen profession and not disappointment will be the result.

SUPPORT YOUR HOME TOWN

All too often goods purchased away from home, scenes from afar. in fact, the hunt for the proverbial bow, attract those who should be cognizant of the advantages of home products, home labor and home at-

amount that might otherwise be available for buying local products. School opens Tuesday. Colleges If there is a house to build, a bill of lumber needed, doors, windows, carpenter, or buy the manufactured ity C, which together form a tuned toward the point from which the mes-How many students entering high articles of the factory in the home circuit, between the points X and Y. sage is coming, static may be, and is, school this year are doing so with town, or that are imade in four By adjusting the value of the variable reduced and even eliminated. The

because

ducer.

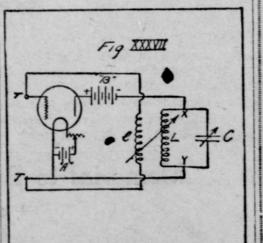
only resident labor on all work, pubwomen in every avocation and industry, and the habit cultivated and condition is reached, the tuned circuit

of higher learning are forced to drop the wealth and prosperity of entire impedance in the external plate circommunities and commonwealths.

Not profession, in the generally accepted meaning, but their life work. Motorists To See New Welcome Sign

Every year the state institutions religously adhered to, will make for between X and Y becomes an infinite tween X and Y are now maximum and are exact amplified reproductions of the potential variations applied to the grid circuit by the alternator.

When a three-electrode vacuum ube is used as a source of undamped alternating current, it is not excited



from the plate circuit to the grid ciring between the two coils L and L

NEW YORK, Sept. 1 .--- Australia The frequency at which the tube will -challenger by right of survival- oscillate will depend on the values of steps out on the courts of the West L and I, while the amplitude of the Side Tennis club at Forest Hills to- oscillator will be determined by the day to make its supreme bid for that degree of coupling that exists between the two coils L and l.

globe-trotting bit of silver known as The grid potential variations imthe Davis cub. The trophy has re- pressed across the terminals T.T by pot of gold at the foot of the rain-William T. Tilden adn William M. plate circuit as a potential K (when Johnston fared into the land of the K is the amplification factor of the Southern Cross and brought back tube) times as great applied directly the cub without the loss of a match. to the plate circuit. When the plate

ference of potential to the grid cir- use of the three-electrode bulb, by tuncuit at T-T. The plate circuit of ing receiving instruments more sharpthe tube is connected to a circuit con- ly, by employing directional receiving taining an inductance L and a capac- antennae so that the loop is turned the tuned circuit between X and Y the dealer knows it. It has merely be-

quency of the alternator furnishing struck tones about this condition as the alternating grid potential applied though everybody would be deeply ofto the grid circuit at T-T. When this fended, if it were not regarded as something to be dreaded and feared."

TIPS TO RADIOISTS

The Buffalo News says: "By throwing a kiss by wireless a Buffalo girl will christen the new broadcasting apparatus." Who wants to be kissed in the ear?

A Freehold (N. J.) paper suggests that some genius arrange a radio set for the farmer's plow handles, so he may be entertained while covering the many weary miles of furrows.

The radio presents great possibilities in the way of travelless honeymoons. In their little nests the newlyweds can hear the roar of Niagara, the waves beating on the seashore or the clerk in a \$10 a day hotel quoting rates.

An appropriation of \$68,000 has been asked of the city of Chicago to purchase a further supply of radio apparatus for its police department. Chicago claims to be the first city to apply radio to police purposes, and it has found this crime-detecting utility a great success.

Recognizing the popular demand for radio outfits, plans for the construction of a new apartment house in St. Louis, Mo., call for the installation of a large receiving set on the roof, which will be connected with each turn on a switch and hear radio concerts and programs. An estimate based on manufacturers' reports show that more than \$5,000,000 a week is being spent on radio equipment in the United States. Since the new art became popular in Canada the increase in sales has increased 100 per cent each month since December, the month of April showing an estimated increase of several thousand per cent in sales over December. 1919.

The unemployment problem of engineers and electrical technicians has been solved by the raidlo boom, according to a report issued by the Federated American Engineering Societies. Since January 1 the society has placed in employment more than 900 engineers, and is continuing its placement at the rate of 20 a day. Electrical and mechanical engineers benefit mostly by

The practice of employing nota_ ries public as professional circulators of initiative petitions is said to have been followed in this state for years, the practice being attacked as a violation of the spirit of the initiative and tending to flagrant abuse of the privilege.

While Secretary of State Kozer is made the defendant in the injunc_ tion proceedings against the two measures now under attack, the burden of defense really lies with the circulators, these certifying to the legality of the names on the petitions and those initiating the measures.

KING'S DAUGHTERS HOLD PICNIC IN LITHIA PARK

The King's Daughters society of the Presbyterian Sunday school held a picnic lunch on the greensward in the park Wednesday noon. Fourteen members, including Baby Bowman, the mascot, were present, and such a spread! "Let health and appetite wait on each," says Cowper. They did, and rolls, salads, ice cream and cake disappeared with ken relish and much gay chatter. The special guests were Miss Grace Leslie, who returns to college soon; Mabel Trott, who goes to Drain to teach, and Nellie Hoke, who will teach in Jacksonville again this year.

During the past four years, 40 girls have been connected with this class. Letters have been recently received from the following former members: Alice Brown and Gwynne Gammon, San Jose, Calif.; Elizabeth Lennox, Patterson , Calif.; Inez Reeder and Hazel Green, Portland; and the famous Ramabai orphanage at Mukti, India, where the class supports a little orphan girl. The party was a huge success.

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Extra thick black Mason rubbers, per dozen......10c 2 doz for 15e. 4 doz for 25e

= do2. 101 100, 1 do2. 101 200	
Monopole white rubbers-per doz. 10c; 3 doz. for 2	5c
Economy lids, per dozen	
Mason lids, per dozen	
	5c
Jelly glasses, tall or flats, per dozen	0c
Heavy, clear water glasses, each	
	5c
Mason jars, per dozen—pints9	0c
Mason jars, per dozen—quarts\$1.	
Mason jars, per dozen-half gallons	
Economy and Wide Mouth Mason jars, per dozen-	
Pints\$1.	20
Quarts\$1.	
Half Gallons\$1.	

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