

LOCAL AND PERSONAL

Will Vacation in Alaska—Miss Nina Emery, an employe of the E. R. Isaac company store, and Miss Hazel Emery, bookkeeper at the Whittle Transfer company, will leave this evening on a vacation trip of a few weeks. They expect to go by auto as far north as Portland, or probably Seattle, where they will take a boat for Alaska.

Automobile insurance a specialty. Ask Mr. A. L. Lamb, Yeo, of course. 2651f

At Whittle's Temporarity—Miss Clara Koffran has taken a position at the Whittle Transfer company while Miss Emery is away on her vacation.

Good insurance at good rates. Phone 274-J. Yeo of course. 2651f

Moves to Ashland—The Neely family, who have been living about 12 miles up Evans creek for the last two years, have moved back to their property at 156 Seventh street.

Let Jerry O'Neal figure your next job of plumbing. First class material and workmanship. Phone 138. 207 E. Main street. 238t

Visiting with Relatives—Walter Hawley, who is in the United States navy, is on a furlough and is visiting with his parents and other relatives and friends in the city.

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

Resigns Position Here—Byron T. Chuter has resigned his position here with the gas company, and will leave in a short time for San Francisco, where he has accepted a position.

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

Moves to Merlin—Emil Utter and family moved yesterday from Strawberry Lane to Merlin, the F. F. Whittle Transfer company hauling his household effects through in one of their trucks.

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

Moves to Oakland—C. A. Renard, formerly a switchman in the local yards, has moved from 156 Seventh street to Oakland, Calif., where he has taken a position.

Locksmith. Fixit Shop. 282tf

Will Take Vacation—Mrs. Elsie Churchman, of the E. R. Isaac's store, leaves on her vacation Monday. She expects to go to Portland Monday, where she will spend a part of the next two weeks.

Have you tried the fine floor at the Hot Springs. Be there Saturday night. 284-2

Home from Vacation—C. F. Billings returned home yesterday after having enjoyed several days at one of Oregon's popular seaside resorts.

Dancing Saturday night at the Hot Springs. 284-2

Shriners to Hold Picnic—The Shrine club of Grants Pass, is giving a two day picnic, beginning this evening and continuing over tomorrow. All Shriners are invited to attend, and the various local members have been sent special invitations. The location of the picnic ground is not known by local wearers of the fez, but it is thought that it will be along the Rogue river. All comers are advised to bring their own "eats," but the drinks will be dealt out by the entertainers.

Everybody meets their friends at the big Hot Springs pavilion Saturday nights. 284-2

Visits in Ashland—Miss Elsie McKillop, a teacher in the Durham, Calif., schools, stopped a few days this week with Miss Frances McWilliams, as she was en route home after having spent her vacation in the Pacific northwest.

Cliff Payne makes folding screens.

Will Visit at Phoenix—Mrs. Gracia Elmer, of Detroit, Mich., has written to friends at Phoenix to the effect that she would start for the west in a few days. She was formerly a resident of Phoenix.

RADIO

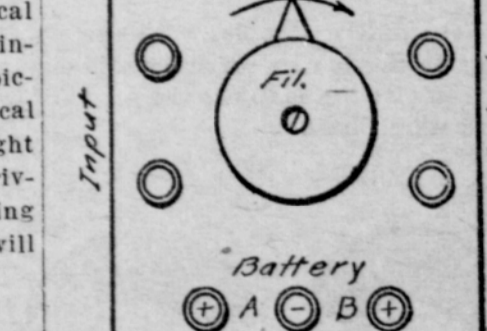
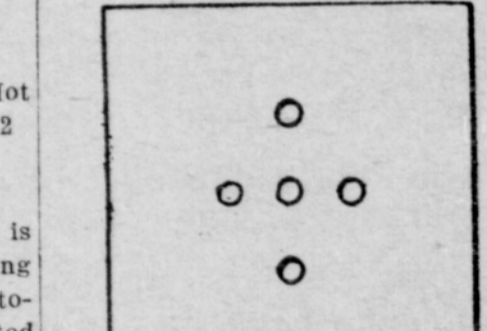
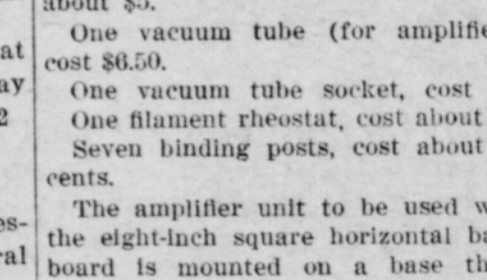
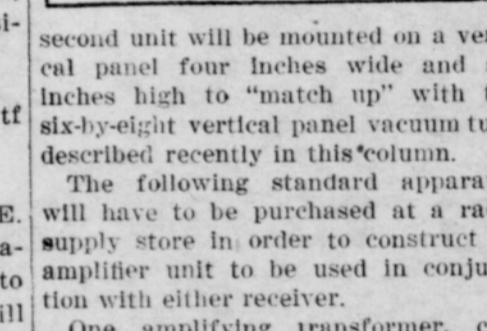
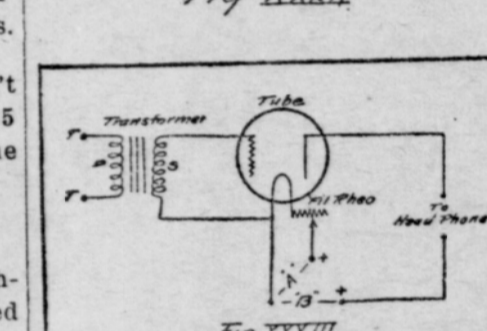
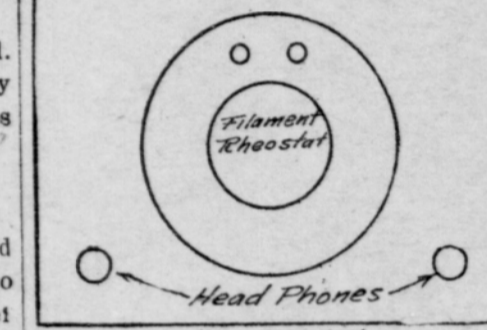
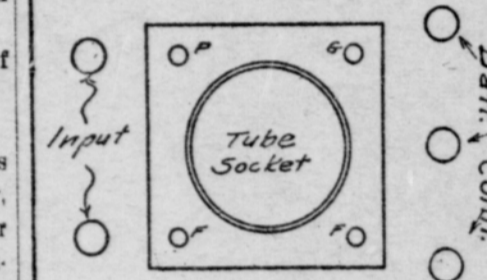
AUDIO FREQUENCY AMPLIFIER UNITS

Construction of Two is Described, With the Materials That Must Be Purchased.

Theoretically any number of transformer coupled stages of audio frequency amplification can be used. However, due to the amplification of static disturbances, power line induction, tube noises, etc., three stages are about the practical limit. If more than three stages are used the noises become so loud in comparison with the signal that it is difficult to hear the signal.

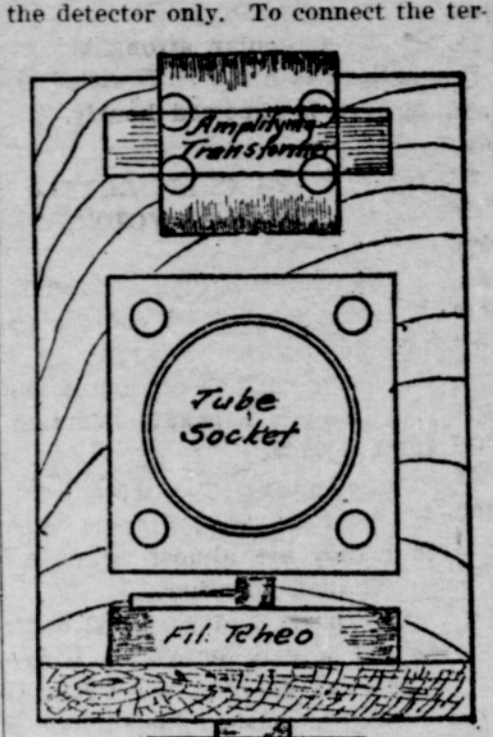
Since audio frequency amplifying transformers can be purchased at any radio shop and the simplest method of coupling, the construction of two audio frequency amplifier units will be described.

The first unit will be arranged to be used in conjunction with the vacuum tube receiver mounted on the eight-inch square horizontal base board, previously mentioned in this column. The



Panel Layout of Amplifier Unit Fig. XXXIV. inches wide and six inches long. The tube filament rheostat is mounted in the front, the amplifying transformers in the back and the tube in the center.

ceiver that were originally connected to the telephone receivers is connected to the terminals of the amplifying transformer. One side of the secondary of the amplifying transformer is connected to the grid, and the other side of the secondary to the filament and common battery lead. The filament rheostat is in series with the positive side of the filament. The plate terminal on the tube socket is connected to one side of the phone, the other side of the phone being connected to the positive side of a 45-volt "B" battery. Use a "hard" tube as an amplifier.



Amplifier Unit Fig. XXXI

minals T-T from the amplifier unit in place of the phones in the plate circuit of the amplifier, adjust both the filament rheostats until the signal strength is maximum.

If it is desired to still further amplify the incoming signal two amplifier units can be constructed, the output of each unit being connected to the input of the next, and the phones being placed in the plate circuit of the last amplifier tube.

In constructing the second unit make the panel and the baseboard of the same thickness, kind of wood, and finish as used for the receiver. The panel should be four inches wide and six inches high, the baseboard three inches wide and four inches deep to "match up." Use the same kinds of binding posts and filament rheostat that were used on the receiver.

Fig. XXXIV is a plan view of the amplifier unit, and Fig. XXXV is an elevation of the front view of the panel. The diagram of connections is, of course, the same as for the previously described unit and is shown in Fig. XXXIII.

These amplifier units can be used in conjunction with any radio receiver. The same units connected electrically as shown in Fig. XXXIII can be mounted to suit the builders' own taste.

HAVE SLANG ALL THEIR OWN

Phrases Introduced by College Students Keep Modern Lexicographers on the Jump. When Sir E. Bulwer Lytton penned his inspiring line on "the bright lexicon of youth," that lexicon was an open book to sages. But lately the Junior lexicon has become more complicated, if not brighter. It is a puzzle even to college presidents. "Snuggle pupping," President Marlon Leroy Burton of the University of Michigan remarked the other day, "is a phase of college life of which I am ignorant."

No one can blame a college president for being stumped by "snuggle pupping." Only the youngest and most alert lexicographers can hope to cope with the campus vocabulary, and they only if they take their duties very seriously. "Necking," writes one of the youngest and most serious of the Junior lexicographers, "is a Harvard-Yale-Princeton term, about six years old, which has displaced 'petting'—aged about twelve years—as a description of what our grandfathers used to call 'spooning.'"

A rule that will be helpful to elders groping among these complexities is to remember that, while there are many terms in the campus lexicon, there is only one topic. For "snuggle pupping" and its successors, look up "spooning."

Waldport—New steel bridge to be erected over Scott creek.

KNOW OF HEART'S FUNCTIONS

Papyrus Proves That Ancient Egyptian Physicians Were Fully Conversant With Important Organ. Egyptian physicians in the days of the Hebrew patriarchs knew the heart is the center of a system, throughout which its pulsations are felt. They performed operations, made diagnoses, catalogued cases and verdicts, and pursued investigations in a scientific spirit, according to a study of the Edward Smith papyrus made by Prof. J. H. Breasted of the University of Chicago.

Professor Breasted declared the ancient document lay in a coffin for "some three and a half millenniums." Pointing out that it was discovered by an American, Edwin Smith, the Chicago orientalist asserted it contained "incomparably the most important body of medical knowledge which has survived to us from the ancient Orient anywhere."

The passage about the heart reads in part: "There is in it (the heart) a canal leading to every member of the body. Concerning these, if the physician places the fingers on the back of the head, on the hands, on the pulse, on the legs, he discovers the heart, for the heart leads to every member and it beats in the canals of every member."

Wild Horses of Sable Island. Ever since the dismal failure to colonize Sable Island in the Gulf of the St. Lawrence, when Canada was New France, there have been a few domestic animals on that bleak spot, relics of that ill-fated attempt. Some horses were among them, probably survivors of shipwrecks, for Sable island is a dangerous place and bears the name of the Graveyard of the Gulf, from the number of gallant ships which found their end thereabouts. The horses multiplied and developed into a rough hardy little breed of ponies.

More than one hundred of these wild native ponies perished during the last winter, the government steamer, Lady Laurier, reported the other day when she arrived from a trip to the Atlantic graveyard. The covering of the island grass by drifting snow during a stormy winter was declared responsible for the deaths. It is likely that another such winter will put an end to this unique little horse colony.

Detroit Has a Kite Day. Kite day has become an annual event in Detroit. So popular has it become that competitors in the events of the seventh annual kite day in May were divided into two sections. Those who live east of Woodward avenue floated their kites in Pingree park and those who live west competed in Woodward park. The East side contest was particularly thrilling because it was participated in by Chinese, Korean and Filipino boys. Oriental peoples are the most expert makers and flyers of kites in the world, according to the Survey. This fascinating sport with them originally had an important ritual significance.

OASIS IN ARIZONA DESERT

What Has Been Done to Make Ajo, for Centuries an Arid Spot, "Blissome Like the Rose."

West of the Santa Cruz and south of the Gila in Arizona the territory is generally an irreclaimable desert. Its mountains, however, abound in rich ore of gold, silver and copper. At the celebrated mine, the New Cornelia Copper company has created in the midst of this arid district a garden spot with attractive and artistic houses of mission architecture, and broad avenues lined with palms. This has been accomplished by providing a million gallons of water a day, which is pumped from a 700-foot well eight miles from town. The history of mining in the district is full of the romance of the West, the copper deposit there having been first worked by the Spaniards and Mexicans 200 years before the Gadsden purchase. According to A. W. Allen, writing in Engineering and Mining Journal-Press, it was only after long experimentation that a process adaptable to the treatment of complex ores was evolved. The operating company provides a school and hospital for benefit of its employees and also runs a profit-sharing store. The camp is connected by the railroads of the country by a branch of the El Paso and Southwestern railroad. The mining claims and the mill sites cover an area of 2,854 acres. The property affords a striking and unusual example of what American industrial management can accomplish under adverse climatic and geographical conditions.

SEEKS STANDARD APPARATUS

National Radio Chamber of Commerce is Negotiating With Federal Departments. The National Radio Chamber of Commerce is negotiating with the various government departments, such as the bureau of standards, Department of Commerce, United States signal corps and United States Navy department, with a view to co-operating with these departments in the standardization of radio apparatus, methods of manufacture, methods of testing, etc. The National Radio Chamber of Commerce intends to work with these departments and assist them in their radio problems.

INTERURBAN AUTOCAR CO.

Table with columns for LV. MEDFORD and LV. ASHLAND, listing departure times for various routes.

Leave Medford for Ashland and Ashland for Medford every hour on the hour from 9 a. m. to 5 p. m.; then 6:30 p. m. and 9:30 p. m. Ashland waiting room—East Side Pharmacy.

ASHLAND-ROSEBURG STAGE

Table with columns for LV. ASHLAND and LV. ROSEBURG, listing departure times.

Travel by stage; shortest route by 20 miles; one of Oregon's most scenic trips. Fare—Ashland-Roseburg, \$4.00; Medford-Roseburg, \$4.15; Grants Pass-Roseburg, \$3.00.

MEDFORD-GRANTS PASS

Table with columns for LV. MEDFORD and LV. GRANTS PASS, listing departure times.

Grants Pass waiting room—The Bonbonniere, phone 160. Office and waiting room—No. 5

Advertisement for Lemon Cream by McNair Bros. The Rexall Store. Includes list of products like Sunburn, Windburn, Chapping, etc.

Advertisement for Provost Bros. Headquarters for Garden Tools, Spray Pumps, Pruning Shears, Hose, and Lawn Supplies.

Advertisement for Guns Repaired. Fishing rods wrapped, barrels and parts supplied, fitted for any make of gun. R. Middleton, 381 E. Main St.

Advertisement for C. E. LAMKIN. Bargains in Real Estate. City and Ranch Properties, Houses to Rent. CITIZEN'S BANK BUILDING.

BUSINESS AND PROFESSIONAL

TRANSFER AND EXPRESS. One cent the word each time. FOR prompt and careful service, auto trucks or horse drays, call Whittle Transfer Co. Phone 117. Office, 89 Oak street near Hogan's Ashland. 58tt

T. L. POWELL—GENERAL TRANSFER—Good team and motor trucks. Good service at a reasonable price. Phone 83.

FOR EXCHANGE. FOR TRADE—160 acre unincumbered ranch on Pacific highway and county road, near Hill; small house and outbuildings; good stock or chicken ranch with plenty of wood and tillable land. Will trade for unincumbered Ashland acreage; prefer no house, but would consider acreage with small house. Eleanor Greer, 199 Grant St. 231tf

WANTED. WANTED—By responsible person, work of various kinds. Leave word with B. M. Potter, Mac's Taxi. 281-6*

WANTED—By responsible lady, work of various kinds. Leave word with B. M. Potter, Mac's Taxi. 281-6*

WANTED—Furnished house. Call Nininger & Warner's store, inquire for Mr. Ansler. 284-2

HELP WANTED. WANTED—On ranch near Klamath Falls, woman for general household work. Good home, four in family. Phone Klamath Falls 11F12, Box 536. 284-6*

WANTED—Man and wife at sawmill camp. Mill not running. Have to do general work including some teaming on railroad grade work. Woman to cook for month or two for six to eight men. During winter not much to do except watch and protect property. Give references. Dwight Lumber Co., Macdoel, Calif. 283-3

MEN AND BOYS WANTED—For cash and door cut-up plant, box shock factory. Wages \$3.50 to \$6 per day. Room and board \$1.21 per day. Steam heated buildings, shower baths, modern conveniences, club house. New plant, population 3000. Accommodations for families. Steady employment. Address Fruit Growers Supply Co., Susanville, Calif. 281-4-tu-st

FOR RENT. APARTMENTS—Furnished, close in, modern conveniences. Adults only. Inquire 166 Hargadine St., or phone 122. 257-tf

FOR RENT—August 1, furnished housekeeping rooms. Adults only. 614 Boulevard. 280-5

FOR RENT—Furnished house. Inquire at Tidings office at 2 o'clock. 283-3*

FOR RENT—Four room furnished apartment, with garage. Adults preferred. 1101 Boulevard. 283tf

FOR SALE—HAY FOR SALE—By G. F. Billings. FOR SALE—Quick, 12 acres terrace property, seven block from P. O., two blocks Litchia park. Improvements worth over \$4000. Price \$1650. P. O. Box 463. 254-1mo*

FOR SALE—Acreage on paved highway, splendid soil. Five acres, 10 acres, 15 acres, 20 acres, and the price is right. O. A. Manning, Talent, Oregon. 272tf

FOR SALE—A veritable park of one acre, set to choice fruits, nuts and grapes, right in heart of the town. Well built seven room house. Cash, or would consider a small house and lot as part payment. Mrs. Marcia Danford, 124 Manzanita street. 275-1mo

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

FOR SALE—Player piano, good condition. N. G. Coleman, 361 Mountain Ave. 280t

FOR SALE—On the highway, about one acre of land, good house, electric lights, all in garden, some berries. Price \$1600. O. A. Manning, Talent, Or. 281f

FOR SALE—Two good cows. O. H. Cole, 1150 1/2 Oak St. 281-6

FOR SALE—Cheap, auto truck body suitable for delivery work. Call at Eagle Foundry, Oberlin Street.

FOR SALE—Astrakhan and Transparent apples. Kieckson and Santa Rosa plums. Bagley Ranch, Talent, Oregon. 284-6

BABY CHIX. BABY CHICKS—We incubate 250,000 eggs every three weeks; largest electric hatchery in the Southwest. All popular breeds of chicks, ducklings, baby turkeys. Incubators and brooders. Get prices. Redwing Hatchery, 2030 East Florence, Los Angeles. 233tf

Advertisement for The Citizens Bank of Ashland. Nobody Ever Regretted Starting A Savings Account. THE PECULIAR THING ABOUT SAVING IS THAT, WHILE EVERYBODY IS ALWAYS "GOING TO," SO FEW ACTUALLY START. COME IN AND OPEN AN ACCOUNT TODAY EVEN IF ONLY FOR A DOLLAR. YOU WILL BE CORDIALLY WELCOMED. Ashland, Oregon.

Advertisement for At Once Fire Insurance. 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." Billings Agency. Established 1883. Real Estate and Real Insurance. ASHLAND, OREGON. Phone 211 41 E Main St.

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