

SEVENTY-FOURTH YEAR

SALEM, OREGON, SUNDAY MORNING, SEPTEMBER 7, 1924

PRICE FIVE CENTS

CURRENT RADIO

This department is conducted by special arrangement between Churchill's Radio Shop and the American Radio Relay League, Inc., the national organization of radio operators and experimenters.



WHICH?

What is the Best Receiver for DX?

The question has been asked many times—what is the best receiver for distance? What type of set will bring me the loudest signals from the greatest distance? Before discussing this point in detail, remember that there is a limiting factor on all reception, and that factor is the static level. No matter how sensitive our receiver might be, there is a certain point where the static noises are always going to be louder than the signal, and no receiver will pull in signals beyond this point. The range changes with weather conditions; sometimes the static will be so low that we can—with a sensitive set—get signals over thousands of miles before the static begins to get stronger than the signal. But no receiver can pierce the wall raised by the static level. The question, then, resolves itself into: what receiver can I get that can always be counted upon to reach out to the static limit? Needless to say, we are going to have to resort to radio frequency amplification to a certain extent. For c.w. telegraph signals there are reasons to believe that a regenerative detector is about as good as anything else for d.x., but for phone there is a distinct advantage in the use of radio frequency amplification. Radio frequency amplification for phone stations may be divided into two classes: First, the short-wave r.f. amplifier, such as the neutrodyne, which amplifies the signal on its original wavelength; and second, the superheterodyne, which changes the incoming phone signals to a long wave, which is then more easily amplified at radio frequency than the original short wave. Up until a very few months, the superheterodyne has been regarded as the last word in sensitive receivers. However, there is every reason to believe that a well-designed short-wave r.f. amplifier will do just as well, and perhaps slightly better. The difficulty with amplification at short waves is in keeping the amplifier from going into oscillation, and this has discouraged many. But careful design and thorough shielding will go far toward creating a stable amplifier.



Miss Marjorie King, late dancing star of New York, coming to Salem with King's 1924 Revue at the Bligh Theatre for four days starting Monday, September 8th.

Without going into the theory favoring the short-wave amplifier involved in the two systems, we as the best for reception of very weak signals, if we can get the

MY MARRIAGE PROBLEMS

Adele Garrison's New Phase of REVELATIONS OF A WIFE

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CHAPTER NO. 262

WHAT HARRY UNDERWOOD ASKED MADGE TO TELL HIM

I shall not soon forget the hour in which I drove Harry Underwood from the big Smythe-Hopkins house at Southampton, where he had been masquerading as Don Ramon Almiraz, to Greenport by way of the Shelter Island ferries. In one respect, at least, it was like escorting the ghost of some one I had known. The voice and manner were the unforgettable ones of Harry Underwood, but they came from beneath heavy snow-white mustachios and Van Dyke beard, which not only thoroughly disguised him, but added 20 years to his age. When I had known him his hair, also, had been black, with just enough gray sprinkled through it to make a most striking frame for his ruddy face. Now his hair was all white, and to all appearances he was an old man, still handsome, still vigorous, but undeniably old.

rect English butler appeared at his summons: "Pipe the manner. Ain't he just the sweetest?"

I did not hear the tale he told the butler as an excuse for getting his belonging out of the house. That it was a convincing story, and also that he had distributed convincing largesse I deduced from the obsequious bustle which pervaded the house. And it was in surprisingly short time that two of the butler's helpers appeared and deposited the steamer trunk in the tonneau of my car, and the imposing butler himself escorted the supposed Don Ramon to a seat beside me and directed the disposal of his smart hand-luggage in the spaces around the trunk.

It was not until we had left the grounds that the man at my side spoke:

"Is your well-known Puritan conscience in its usual well-oiled condition, or could it be a bit rusty?"

"Why?" I asked non-committally.

"Because it is quite necessary that your story to the Smythe-Hopkins family should agree with the tale I just told the butler."

Harry Underwood's Story.

"I do not see that my conscience has anything to do with it," I returned. "If you relate to me what you said to the butler I have no right to question its truth."

He laughed lightly. "You won't go back of the returns, eh? That's a good little girl. You're improving under the Dicky-bird's tutelage. You'll be a petticoated little Machiavelli in time."

There was an intangible something in his voice that betrayed a subtle disappointment, and I guessed that with the inconsistency of his type of masculine soul, he would have preferred me to exhibit what both men used to dub my "bushram principles," even at the cost of interfering with his plans. I made no answer to him sally, for I felt a sudden shamed conviction that he had jestingly spoken the truth, and that I had lost in part the rigid ideals of my youth. But in loyalty I would not admit even to myself that association with my husband's tenets had anything to do with the change. There was nothing for

me to do but await Mr. Underwood's farther speech, and this did not come until we were out of the streets of Southampton, and had turned into the delightful winding wood road leading to Sag Harbor.

"I told His Nibs back there all about the accident," he began, "and gave him your message. Then I explained my presence by saying that I had had a heart attack, and that you had brought me to a physician on the way here. I'll say you brought me to a doctor all right. I don't know of a better nerve tonic than the sight of dear old Horbie Pettit was. And his treatment of me was sure invigorating."

"My get-away," he went on, "I explained by saying that I unexpectedly had met a man from South America who had given me information which called for my instant departure to New York for an indefinite period. And every word of that's the gospel truth. Your father once stayed in South America, and he certainly gave me an earful requiring my presence in New York long enough to get a train out of it. So you won't have to soil your pretty lips with anything that isn't the truth. Tell 'em I said I'd write to them as soon as I got into New York."

"Now, enough of them!" he added abruptly. "I've got more important things to say to you. I want you to refresh your memory, and to tell me every little thing you know about Grace Draper's devils last year. Your father didn't have time to spill it, but he said he was sure you would tell me the whole cursed story." (To be continued)

A bride who shot her husband on their honeymoon at Niagara Falls probably saw him before he shaved.



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The Journal in the Presidential Campaign. The Journal has just completed arrangements to give Marion County readers the most complete news reports on the presidential campaign of any Portland newspaper. First there's the snappy daily reports received from FIVE leading press associations, giving the speeches and actions of the three candidates and their running mates. In addition The Journal has engaged nationally known special writers to cover the campaign battles from every point of view.

The Journal in Marion County. To receive Marion County news, The Journal employs 15 special correspondents who are located throughout the county. This gives a Journal representative practically every 4 1/2 miles the length of the county! In addition, a staff is maintained at the State House to cover events at the State Capitol. The Journal with its full report of the national and international news is delivered BEFORE DINNER time to its Marion County readers and gives NEWS THE DAY IT IS NEWS instead of the day following. Approximately 85 per cent of the big news from the East and Europe is published in The Journal before appearing in the morning papers.

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PORTLAND, OREGON THE NORTHWEST'S LARGEST AFTERNOON NEWSPAPER

COUPON

The Portland Journal, Portland, Oregon: Please deliver by mail The Daily Journal from Sept. 10 to December 6, for which is enclosed \$1.21. I also wish The Sunday Journal delivered at 5c a week []. Mark X in box if you wish The Sunday Journal. Name: Address:

amplifier sufficiently stable to operate three or four stages at high efficiency.

Recently a three-stage neutrodyne was constructed which gave results comparable to those obtained with a good superheterodyne. It is possible that four stages of neutrodyne amplifier might be operated if carefully and completely shielded, and with such a receiver it is doubtful if the results could be surpassed with a superheterodyne.

Columbia Highway Stages Must Settle Rate Battle

Unless the companies operating sight seeing tours on the Columbia River highway reach some agreement that will eliminate alleged inferior service through the cutting of rates, the public service commission will set a public hearing and fix a uniform charge governing all of these concerns.

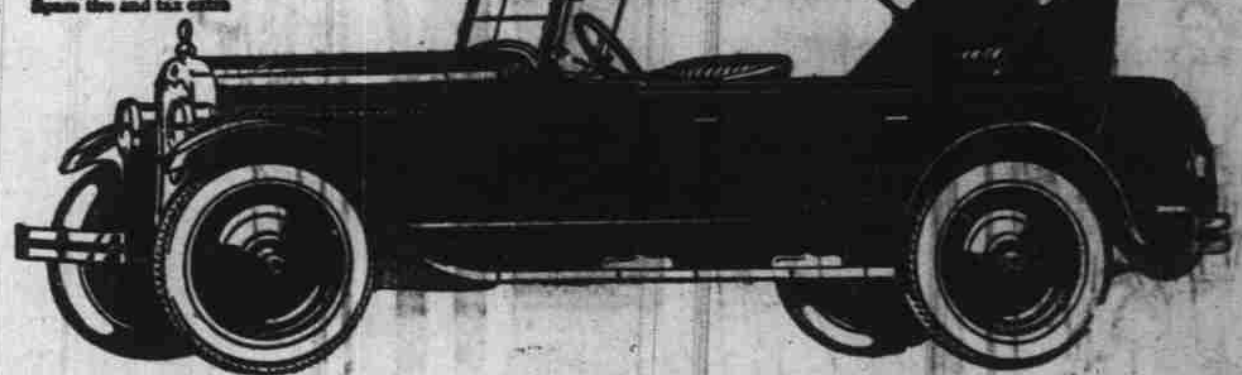
This was set out in a letter prepared yesterday by the commission and addressed to the Kings' Auto Tours, with headquarters at 351 Stark street, Portland.

It was intimated that the action was taken by the commission following complaint received from one of the old established sight seeing tour corporations now operating over the Columbia River highway.

NEW BOOKS AT PUBLIC LIBRARY

- SALEM PUBLIC LIBRARY. Daisy Miller—Henry James. College Years—R. D. Paine. The Parson's Progress—Compton MacKenzie. Manslaughter—A. D. Miller. The Narrow Street—E. B. Morris. Eight Panes of Glass—Robert Simpson. Empty Hands—Arthur Stringer. Everyday Biology—J. A. Thomson. The Second Year of the League of Nations—C. H. Levermore. Mankind at the Crossroads—E. M. East. Wonder Tales of Ancient Wales—Jones & Henderson. Elements of Storage Batteries—Wood & Jansky. A simple course in Home Decorating—Winnifred Fales. The Best News Stories of 1923—Joseph Anthony. Followers of St. Francis—Laurence Housman. Fancies versus Fads—G. K. Chesterton. The East Window—B. I. Taylor. Essays by Present-day Writers—R. W. Pence. A Book of Danish Verse—Hillier & Damon. Rand McNally Commercial Atlas of America—Rand McNally Co. Who's Who in America—1924-1925. Boots and Saddles—E. B. Custer. Margaret Ethel MacDonald—J. R. MacDonald. Antonio Jose de Sucre—G. A. Sherwell. For the Children. Robinson Crusoe—Daniel Defoe. A Mother Goose Reader—Robinson & Mickens. The Daughters of the Little Grey House—M. A. Taggart.

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