

THE EVENING WORLD'S RADIO PHONE SERVICE COLUMN.

By Capt. Robert Scofield Wood.

QUESTIONS AND ANSWERS

W. G. B., Brooklyn.—"Is the following hook up a single tube set all right? Also, can a variometer be used in place of the tickler coil? Which is better? How is a tickler coil constructed? Does it make any difference whether the lead-in wire is tapped from the center of the end of the aerial? Which is the right tube to use, a UV 200 or a UV 201? Will the set tune efficiently for waves over 1,000 metres?" Answer—"The hook up as shown is the regular regenerative layout and is correct. A variometer can be used as a tickler coil. The tickler, not of the variometer type, can be made of a coil of No. 22 enameled wire wound on a cylinder of the same diameter as the secondary coil of the loose coupler and having one-quarter as many turns. It should be tapped every ten turns to give the proper adjustment, and should be placed in as close proximity to the secondary as is consistent with operation. It makes no difference from what part of the aerial the lead-in is taken provided the connection is properly made and soldered. You may use either a UV 200 or a 201, no difference being that the 200 is a soft tube and the 201 a hard tube. The latter is more critical of adjustment and has a much longer life than the 200, which, due to the gaseous content of the chamber, is broader in its adjustment and consequently more easily tuned. With the 201 you may find it necessary to use more plate voltage than is advisable on the 200. You do not give enough data to enable us to tell just what the wave length range of your set is. If your loose coupler is designed for less than 1,000 metres, a duo-lateral coil designed for 1,000-metre reception, connected in series with your antenna, will give you a wave length range of approximately 1,800 metres.

G. Pecullo, 111th Street.—"Kindly inform me if with a crystal set with an indoor aerial I may get any concert from New York broadcasting stations and also from Bell's Island? If it is possible, please advise how to get the best results." Answer—"Under ordinary circumstances it is almost impossible to get anything with an indoor aerial and a crystal set. However, with a new and probably the most powerful radio broadcasting station in the United States going up in 42d Street and two

the storage battery and to the negative side of the B batteries. The negative B battery connection should be connected to the movable arm of the potentiometer. The life of a twenty-two volt B battery depends upon its usage. However, it should be good for at least three months of normal usage with your one lamp set. The aerotron tube gives the same results as the radiotron, using only one-fifth as much current.

A. C. S., City.—"I have a detector and three-step outfit, but I have never been able to get the third step to give good reception. When I get good, loud, clear signals on one step I can usually get wonderful results when I jump to the second step, but if I go any further it is all off. It just won't do anything, but how and screech in the third step. What shall I do?" Answer—"You are no different than thousands of others who have gone to the expense of getting a three-step outfit. As a rule they give very unsatisfactory results. Two steps of amplification will give you all that you can conveniently listen to. With a two-step outfit you can get the signals clear and steady, and as loud as any body can stand in hearing the signals or music. As long as the two steps are doing the work for you have the other step.

E. McC., L. 1.—"I have a crystal set that consists of a two slide tuning coil, a whistle and crystal, a phone condenser and a pair of 3,000 ohm phones. I have a 100-foot aerial and a 50-foot lead-in and a 12-foot ground. All I can get is code, which comes in so strong that I can hear it twelve feet from the phones. Please let me know what to do to receive the concerts." Answer—"Inasmuch as you can hear code the set is in proper working order and it is only a matter of tuning to at least hear the broadcasting station at Ridgewood, N. Y., which is only a few miles from you. It will be almost impossible for you, with a crystal set, to receive the Newark stations because of your distance from them.

Brooklyn Reader.—"Will you kindly advise whether the enclosed hook-up can be improved upon? It consists of an eighty-foot aerial and twenty-five-foot lead-in with an eighteen tap tuning coil four and one-half inches long and four inches in diameter, a pair of 2,200 ohm phones, a fixed phone condenser and a forty-three plate variable condenser of 360 Mfd. Would a vario coupler help?" Answer—"By changing the tuning coil you are now using for a vario coupler and shunting your variable condenser across the secondary of the coupler you will greatly improve your set. Everything else is O. K.

T. Guinness.—"What is the function of a potentiometer and how should it be connected in a single tube set? What is the life of a twenty-two volt B battery? Which is more efficient, an aerotron tube or a radiotron tube?" Answer—"A potentiometer is used to obtain a clear reception and keep the electrical circuits operating with the least amount of interference. It is a means of smoothing out some of the battery troubles. It should be connected across the leads of

reaction and consequently has a longer life.

W W Z (New York)
360 Metres.

1:15 to 2:15 P. M.—Song recital by Edna Beatrice Bloom, soprano. Popular classics as recorded for the Checker-ling Ampico by famous pianists.
—Mr. J. C. Wardlaw, Chief of Rehabilitation Bureau of the United States Veterans' Bureau, will speak on "Employment Service."

W J Z (Newark)
360 Metres.

Features of the day:
Agricultural reports at 12 M. and 6 P. M.
Arlington official time at 12:55 to 1 P. M.
Baseball reports from 3 to 8 P. M.
Music every hour from 11 A. M. to 6 P. M.
Weather reports at 11 A. M., 1 P. M. and 11:01 P. M.
6 P. M.—"Review of Iron and Steel Industries and Their Relation to General Business Conditions," by the Iron Age.
7 P. M.—"Animal Stories," by Florence Smith Vincent.
7:30 P. M.—"Destruction by Campers," by Robert B. Cole.
7:45 P. M.—Concert by Miss McCulloch, dramatic soprano.
8 P. M.—"Irons and Ironing Machines," by Marion M. Mayer of Good Housekeeping Institute.
8:30 P. M.—Concert by Margaret Nikloris, pianist.
9:30 P. M.—Musical programme by Hazel Hinkley, coloratura soprano.
Programme—"Irish Love Song," "Margaret Lanza," "Ragmild," "Grieg," "Spring is Here," "Edith Dick," "Mimi," from "La Boheme," Puccini; "When Love is Kind," poem by Moore (old melody); "Una Voce," from "The Barber of Seville," Rossini; "Thank God for a Garden," Terese Del Riego; "L'Ette," Chaminade.

W O R Newark
360 Metres

2:30 P. M.—"Marche Turque" record by United States Marine Band, "Minute" record by Philadelphia Orchestra.
2:45 P. M.—A fashion talk on "What Paris Wore at the Races" supplied by Vogue Magazine of New York.
3:00 P. M.—Popular songs.
3:20 P. M.—A talk by Forest C. Hutton, Assistant Professor in Dairy Husbandry of the State College of Agriculture, New Brunswick, N. J. Mr. Hutton will give an interesting lecture on

WM. F. WALKER, NEW BRITAIN BANK THIEF, DROPS DEAD

Aged Defaulter Who Stole \$565,000, Deserted by Friends, Died Penniless.

(Special to The Evening World.)
NEW BRITAIN, Conn., July 26.—William F. Walker, who in 1907 absconded with \$500,000 from the Savings Bank of New Britain, of which he was treasurer, and with \$65,000 of the Connecticut Baptists Association, dropped dead in a washroom in the Professional Building here shortly before 6 o'clock last evening.
Walker, who was seventy-seven years old, had been living quietly in this city since his release from the Wethersfield State Prison eight years ago, after having served seven years of an indeterminate sentence. During the war he was employed as a clerk by a local draft board.

Walker, who was a Civil War veteran, came of a family socially prominent. He was deserted by relatives and friends during the last years of his life, yet he never uttered a word of complaint and to the day of his death refused to divulge the names of those responsible for his pecuniations. It was always assumed, however, that he had fallen into the clutches of the Goodford brothers and they fled him and later financed his flight to Mexico, where he was arrested.
After a world wide hunt, Walker was found, Dec. 8, 1908, in Eisenada, a Mexican town in Lower California, where he was disguised as a miner. He was extradited and pleaded guilty. Walker leaves a son and a granddaughter.

OLD SEA CAPTAIN DIES AT
BABYLON.
Norman Al White, seventy-nine, one of the best known seafaring men on Long Island, died last night at his home in Babylon after a long illness. During the Civil War he was in the transport service and in command of the U. S. vessel Saxon.

the agency for a concert, that gets out a machine to prevent the raising of checks, visiting various banks and business houses selling these devices. At the time of his death Walker had a little back office in the Professional Building and made a precarious living, doing odd jobs of clerical work, searching titles and occasionally taking an order for a check protector.

Andrew J. Sloper, President of the National Bank in this city, is a brother-in-law of Walker, and it was largely through his efforts and those of the late Philip Corbin, a millionaire, that the Savings Bank was saved from a receivership at the time of the defalcation.
Walker, who was a Civil War veteran, came of a family socially prominent. He was deserted by relatives and friends during the last years of his life, yet he never uttered a word of complaint and to the day of his death refused to divulge the names of those responsible for his pecuniations. It was always assumed, however, that he had fallen into the clutches of the Goodford brothers and they fled him and later financed his flight to Mexico, where he was arrested.
After a world wide hunt, Walker was found, Dec. 8, 1908, in Eisenada, a Mexican town in Lower California, where he was disguised as a miner. He was extradited and pleaded guilty. Walker leaves a son and a granddaughter.

Bacteriology and Creamery Inspection.
6:15 P. M.—"Hand Painted Doll" record by All Star Trio and Orchestra; "You Won't Be Sorry" record by Paul Whiteman and Orchestra.
8:30 P. M.—"Sporting News on the minute" given by Fred J. Bendell.

CANDY

PENNY A POUND PROFIT

| | | |
|--|---|--|
| <p>Vanilla Creamed Almonds: The tastiest of Nuts delightfully confectionized. POUND NET</p> | <p>SPECIAL Thursday, July 27th</p> <p style="font-size: 2em; font-weight: bold;">19c</p> | <p>Milk Chocolate Covered Three Ways: One of our Candy classics with a large following. Regularly 69c. POUND NET</p> |
| <p>EXTRASPECIAL—While They Last High Grade Assorted Chocolates: One of our standard sellers. Regularly 59c. EXTRA SPECIAL Wed. and Thurs. POUND NET</p> | <p>39c</p> | <p>WE ALSO OFFER Chocolate Covered Cream Peppermints: Those big disks of aromatic, deliciousness everybody likes. POUND NET</p> |
| | <p>39c</p> | <p style="font-size: 3em; font-weight: bold;">59c</p> |

Loft

FOR EXACT LOCATIONS SEE TELEPHONE DIRECTORIES

"SENIORITY"

What is this question of "seniority" that is being discussed in connection with the railroad strike?

All employes on railroads are accorded seniority of service, if otherwise competent. This means that the senior employes are entitled to choice of work, and, when it becomes necessary temporarily to reduce forces, that the junior men are released and the senior employes retained.

A strike was ordered by union officers who have no connection with any railroad. Many employes in compliance with the order quit their jobs and left the railroad service, and many did not leave, but remained loyally at work, accepting the Government Labor Board's decision.

There are thousands of such men who must, under the rules of fair dealing as well as the rules of seniority, be protected and supported. To desert these men would be ingratitude of the grossest sort.

In addition to these thousands who remained in service, other thousands who wanted to work have been employed in good faith. The new employes in a great many cases left other employment with the understanding that if competent they would be retained in their present positions.

These men—those who remained and those who enlisted—have kept the trains in operation, and the needs and comfort of the people supplied.

It is submitted that to now ask the railroads to set these loyal men aside and replace them with the men who left, is to ask the railroads as well the Government, which is concerned through the action of the United States Labor Board, to be disloyal to these thousands of loyal men.

New York Central Railroad Co.

The Makers of U.S. Royal Cords Beg to State —

NOT quite seven years ago the U. S. Royal Cord Tire was announced to the public.

People who saw it remarked on the beauty of the tread design, which is protected by U. S. Letters Patent.

The same design that since then has proved itself the most scientific tread pattern ever put on a pneumatic tire.

To identify this superlative tire under all conditions—whether running or stationary—Royal Cord makers adopted as a trade mark a circumferential white stripe placed on each side wall.

Today, Royal Cord beauty and identity is so known and distinguished that even a newsboy can spot one whisking around the corner.

And car-owners everywhere look upon a Royal Cord as the measure of all automobile tire values.

According to some tire dealers and manufacturers the public has been having one of its "price spells" and demands cheap tires.

Current prices on United States Passenger Car Tires and Tubes are not subject to Federal Excise Tax, the tax having been included.

United States Tires are Good Tires

Copyright 1922 U. S. Tire Co.

U. S. Royal Cord Tires

United States Rubber Company
Tire Branch, Broadway at 58th Street

REAL ESTATE ADVERTISEMENTS FOR
THE SUNDAY WORLD REAL ESTATE SECTION
MUST BE IN THE WORLD OFFICE BEFORE FRIDAY.
CIRCULATION OVER 600,000