

THE EVENING WORLD'S RADIO PHONE SERVICE COLUMN.

By Capt. Robt. Scofield Wood. (D. F. C., M. C., Croix de Guerre with four palms; formerly Commandant of 16th Squadron Royal Air Force "RADIABILITY.")

One of our Evening World Radio Club members, W. Harold Warren, Ashbury Park, N. J., coined the above word, and he believes that it is the word you have been wishing for. His definition is: The quality of the etheric atmosphere for the propagation of radio signals. For instance, the "radiability" is good when there is no interference from atmospheres or fading; is fair when there is slight interference, and is poor when there is serious interference. Noah Webster please copy.

AUTOMATIC FILAMENT CURRENT ADJUSTER.

An automatic filament current adjuster is on the market and its performance matches up with the claims of the manufacturer. It will work wonders. It should be connected in series with the V. T. filament and the "A" battery. For instance, here are some of the claims made for it: It makes the operation of vacuum tubes absolutely "fool proof"; eliminates the necessity of rheostats in the filament circuit; the action is automatic; operates the tube at its greatest efficiency without adjustment of any kind; automatically decreases excess current on filament, thereby prolonging the life of the tube and preventing same from "burning out." The cost is small, can be easily attached, no replacement needed, etc. Those of us who have seen a 45 for more tube "burn out" due to excessive current on the filament will welcome this device, and we sincerely hope that it is "the goods."

GRIDS AND LEAKS

Radio Central, the world's largest wireless plant, covers 6,400 acres of land at Port Jefferson, L. I.

To secure a perfect ground connection file the surface of the pipe until it shows clear and shiny before fitting the ground clamp. This clamp and the pipe should then be soldered to make the connection perfect.

Hey, Major White, when are you going to open that New York City broadcasting station? No wonder they call you the man of mystery.

The 250-watt tubes in use at WJZ have seen over 1,000 hours of actual broadcasting service.

Enterprising restaurants are putting radio receiving sets in to entertain their guests.

William Muldon, Chairman of the Athletic Commission, is going to give a lecture over the radio-phonograph on health and how to live.

The pretty fountain in front of the Stony Point power house of Radio Central is there for utility rather than beauty—it is the cooling pond.

There are no operators at Radio Central. The actual transmission takes place at No. 64 Broad Street, New York City.

SUPPLY OF VACUUM TUBES.

Our mail is heavy these days with letters from readers who are laboring under the delusion that certain interests, namely, manufacturers of vacuum tubes, are withholding a large quantity of tubes from the market in order to maintain the price. They want to know when the supply will be ample, when the price will be reduced, etc. They seem to think that the retail price of tubes is out of proportion to the cost of manufacture.

Our answer to the above is that A.I.L. vacuum tube manufacturers are working to capacity turning out tubes, and almost as fast as they want to turn them out. The tubes are shipped out on orders which were placed months ago. The demand for tubes has been far ahead of the demand for complete sets, and if the manufacturers of the latter are weeks behind on production it stands to reason that the vacuum tube manufacturers are working to capacity.

It is safe to assume that for every V. T. set sold at least three tubes are sold, thus making the tube shortage three times the receiver shortage. The manufacturers of tubes are like any other manufacturer—the more of their product they sell the more their profits will be. As to cost and selling price, we doubt that the retail price of vacuum tubes will come down until the controlling patents on vacuum tubes expire. One big part of the cost of manufacture of vacuum tubes is the royalty that has to be paid on the patent right used in making the tubes.

The Radio Corporation of America, which is the selling agent for most of the tubes manufactured recently, sent out a letter to the trade wherein it was stated that within a few weeks from that time they thought that the increased production at the factories would see this market fairly well supplied with vacuum tubes. We know we are voicing the sentiment of thousands of our readers when we say that this is a statement that we devoutly hope will be carried out by performance.

CRYSTAL SETS AND THEIR PERFORMANCE.

Some of our readers complain that

hook-up is correct and that all of the connections are secure. Go over your crystal set and be sure that it is O. K. You may need a new crystal in your detector.

A. R. Audubon Avenue—"I have a V.T. set and my landlord will not permit me to have an aerial on the roof. I live on the first floor. Can I use an indoor aerial and obtain fairly good results?" Ans.—Toll your landlord that there is no fire risk connected with this aerial and you will have it installed. The board of Fire Underwriters, the local board will be absolutely of no use to you. See article published in yesterday's World.

A. Fox, Youkers—"I have a 75-foot aerial, a loose coupler and a good crystal detector and a pair of 2,000 ohm phones. Will I be able to hear WJZ?" Ans.—It is impossible for me to tell just what distance any set will receive, but I am very doubtful if the set you have will be of any use to you for receiving the concerts now broadcast in Newark.

Elior, Wells, Brooklyn—"Will you kindly tell me if I can use a variable condenser in series with my antenna to get the broadcasting sent on a wavelength greater than that for which my machine is set?" Ans.—No, the variable condenser will not serve to increase your receiving range, but it will cut it down. What you want is a dip-lateral coil or a loading inductance.

Greenpoint—"Can a 25-volt 'B' battery be used to light the filament of a detector bulb?" Ans.—No. The bulb is designed to take a maximum of six

volts. The "B" battery is connected in the plate circuit.

National Emblem, Barley, Solo, "Homing," Teresa Del Riego, by Miss Hazel Curran Wagner, soprano.

W J Z (Newark) 360 Metres

K D K A (Pittsburgh) 340 Metres

THE EVENING WORLD RADIO CLUB

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cathartics—

one of the chief causes of constipation?

DID it ever occur to you that the cathartic you take to relieve constipation, is the cause of your trouble?

Yet when a number of doctors were discussing this almost universal complaint one of them said: "Probably one of the most frequent causes of constipation is the indiscriminate use of cathartics." For years physicians have tried to persuade people to give up laxatives and to eat corrective foods instead.

It is now known that Fleischmann's Yeast is a food which makes the use of cathartics unnecessary. Because of its freshness it helps the intestines eliminate waste matter.

People who are adding Fleischmann's Yeast to their daily diet find that their body functions are kept normal and regular. Eat 2 or 3 cakes of Fleischmann's Yeast before or between meals every day. Place a standing order with your grocer. He will deliver Fleischmann's Yeast fresh daily.

BOVININE The Food Tonic Of All Druggists. Prescribed by physicians for more than 40 years. YOUR health is too precious to risk taking anything except a reliable food tonic. Add to your diet this revitalizing blood maker and tissue builder.

Illustration of a man and a box of Fleischmann's Yeast. The quotation is taken from the treatment of constipation by a well-known physician.

AMUSEMENTS. WINTER GARDEN, COMEDY, WHITE SLIPPER, ASTOR, THE BLUSHING BRIDE, THE TANGERINE, ARNOLD DAILY, HE WITH FULTON THEATRE, MOROSCO, THE BAT, LONGACRE, THANK-U, LITTLE THEATRE, THE 1st YEAR, ELTINGE, THE DEMI-VIRGIN, REPUBLIC, THE LAWFUL WARGENT, NEW AMSTERDAM, ZIEGFELD TRUHI, MARILYN MILLER, LEON ERROL, NEW AMSTERDAM ROOF, ZIEGFELD MIDNIGHT FROLIC, EMPIRE, DORIS KEANE & THE GARZINA, EARL CARROLL THEATRE, JUST BECAUSE, LIBERTY, 'To the Ladies!', HUDSON, BELASCO, CORT, GEO COHAN THEATRE, GOOD MORNING BEARIE, MUSIC BOX, RIVOLI, MADISON SQ. GARDEN, METROPOLITAN, CAPITOL, STRAND, FAY BANTER, GET TOGETHER AT THE HIPPODROME, BROOKLYN STRIP, CAMEO.

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