

E. H.



RADIO LABORATORIES INC

4450 RAVENSWOOD AVENUE, CHICAGO, ILL.

TELEPHONE LONGBEACH 5172 • CABLE ADDRESS SCOMACO CHICAGO

August 24, 1940

Dear Mr. :

By this time you have undoubtedly experimented with the tuning in of some of the shortwave stations.

The first thing you must remember, if you have not previously done very much tuning on the shortwaves, is to realize that these stations tune very much sharper than those on the broadcast band. When searching for stations on the shortwaves remember that you must rotate your tuning knob VERY SLOWLY, and by S-L-O-W-L-Y I mean just that. Do not twirl the tuning knob rapidly, and expect shortwave stations to come rolling in, for you will be disappointed.

However, you will be missing a great deal of pleasure and entertainment your Phantom-Deluxe can provide you if you do not occasionally tune to the shortwave stations of London, Berlin, Paris, or Rome. You will generally find some of these stations on the "D" band between 11 and 12 megs., 15 and 15.5 megs, and 9 and 9.5 megs. I would suggest that you get out your Instruction Manual and read over the information given on Page 10, where you will find some valuable data on shortwave tuning.

To secure the quietest possible reception when interference or static is bad, turn back both the Fidelity and Bass controls, and see that the Selectivity switch is also turned all the way to the left so that the receiver is in the most selective position.

On your Phantom-Deluxe is a control directly below the tuning knob, (see page 8 in Instruction Manual) which ~~eliminates or considerably reduces~~ automobile ignition noises on the shortwaves. If you find, when listening on the shortwaves, that an automobile passing by creates a noise in the speaker that resembles a machine-gun in action, you are picking up interference from an automobile ignition system. If you turn the Noise Limiter switch to the right, it will enable you, in most cases, to practically eliminate this type of interference.

After you have had your receiver for a few weeks, and have had some experience tuning on the shortwaves, I would like to have you drop me a line telling me what stations you are receiving, and how you are getting along.

With the kindest personal regards, I am

Cordially yours,

E. H. Scott

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E. H. •



RADIO LABORATORIES INC

4450 RAVENSWOOD AVENUE, CHICAGO, ILL.

TELEPHONE LONGBEACH 5172 • CABLE ADDRESS SCOMACO CHICAGO

August 22, 1940.

Mr.

Street,
, Calif

Dear Mr. Oliver:

This will acknowledge and thank you for your courteous letter of August 18th. I am indeed very pleased to know that the installation has been completed and that you are entirely satisfied with the performance of the receiver. I am certain that when you have your receiver logged and have become thoroughly familiar with the controls you will find that your receiver will be a continuous, endless, source of enjoyment to you.

It is true that better signal input would be received with the antenna at a greater height, however, attic installations are considered standard in a location free from electrical interference and from the information we received on the back of your order blank I see no reason why a great amount of interference should be received. I must agree that unsightly masts do not add to the appearance of the home and from the results you have already obtained I am certain that your present antenna system will prove entirely satisfactory.

You will find that when weather conditions become more settled, reception on all wave bands will be greatly improved.

I was quite surprised to learn of your disappointment in the tone quality, for this is one feature that appeals to most people hearing the receiver for the first time. The console and the tone chamber are extremely critical. We run a considerable number of tests on all our consoles to assure their being acoustically correct. It is a little difficult to say definitely what is required in your particular case, for it depends entirely upon the type of wood used in the console, its thickness and the construction itself. Therefore, about the only suggestion I have to offer is to experiment along the lines you have suggested until you find the best possible tone quality. If it is possible to eliminate the 5/8" plywood partition between the chassis compartment and the speaker compartment, it may remove some of the barrel effect. I appreciate the fact that the lower part of this partition along side of the record album is essential, however, I would try to eliminate if possible the partition above the record storage compartment. I would also suggest removing the double wall on the right hand side of the console. Furthermore, try moving the speaker away from the

Mr.

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baffle board by inserting small pieces of rubber at the points where the screws fasten thru the speaker frame. This will reduce the bass response somewhat and may improve the tone quality.

As I stated previously, experimentation is required and it is difficult to say definitely just what changes are necessary. However, no doubt due to the depth of the console and the 18" width a hollow effect may be had. Nevertheless, I am certain that if you care to experiment this condition can be improved upon and I look forward with interest to hearing further from you and if I can serve you further you have but to call upon me.

Cordially yours,

E. H. SCOTT RADIO LABORATORIES INC.

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President.

E. H.



RADIO LABORATORIES INC

4450 RAVENSWOOD AVENUE, CHICAGO, ILL.

TELEPHONE LONGBEACH 5172 • CABLE ADDRESS SCOMACO CHICAGO

August 21, 1940

Dear Mr. :

Here in Chicago I am, of course, very close to all Scott owners, and a few days ago one of them called me and said he was getting an excessive amount of noise in the reception of some stations. That evening I called at his home to determine what might be the difficulty, and after switching on the set found it was operating perfectly. The owner was surprised, and said it certainly did not operate like that for him.

I then put all controls back to minimum and asked him to tune in a few stations while I watched. When he did this, I immediately realized his entire difficulty was due to improper operation of the Fidelity Control and Sensitivity Switch.

This owner's difficulty was due to his keeping the Fidelity and Bass Controls advanced full on, not realizing, of course, that this was responsible to a large degree for the noise which accompanies the reception from distant stations. I showed him, by placing the Fidelity Control a little less than half way on, retarding the Bass Control and putting the Sensitivity Control in the extreme left-hand position (minimum) that he was able to get quite satisfactory reception on the same station which he had brought in so poorly.

Also remember when you go after distant stations, the Sensitivity Control should be turned all the way to the right (maximum) in order to get maximum sensitivity. When the switch is turned to the left (minimum) the receiver provides just enough sensitivity for local and semi-distant stations and also acts as a quiet tuning switch.

The Scott Phantom Deluxe is neither complicated nor difficult to operate, but in order to get the best reception you must acquaint yourself with the various controls. I am sure you would not attempt to drive an automobile if you were not familiar with the operation of the gear shift lever, the brakes, and all the other controls, and I know that if you will study carefully the various controls on your Phantom Deluxe, it will repay you many times in the finer operation you will secure from your receiver.

Cordially yours,

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The point I want to bring out is simply this: The Fidelity Control enables you to adjust the higher tones until they are most pleasing to your ear. If the reproduction sounds shrill and tinny, then you can be almost certain you have the Fidelity Control advanced too far. Turn it back slowly and you will find that the shrillness or tinniness disappears. On the other hand, if what should be a good program sounds boomy or bassy, then it is probable you do not have the Fidelity Control advanced far enough, and you also may have the Bass Control advanced too far.

I would suggest that you take this letter, sit down in front of your Phantom Deluxe, tune in programs from a number of different stations, and experiment with the Fidelity Control. I'll guarantee that within half an hour you will know exactly where to set this control properly for any type of program you listen to.

I want you to know that I am personally interested in helping you get the greatest possible satisfaction from your receiver, and if there is anything you do not understand, just drop me a line.

With kindest personal regards,

Cordially yours,

E. H. Scott

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