

SCRAMBLED SPEECH IS POLICE RADIO NECESSITY

Radio Questions Answered

Set Is Not Harmed by Operation Without Ground—Howling in Receiver Explained.

Grounds, Lightning Arresters

Radio Editor, Buffalo Evening News: I have a Zenetone model, 25 cycle, receiver. When my aerial and ground wires are attached I get only locals. When the ground wire is disconnected distant stations come in very clearly. If the ground is disconnected will it harm the set in any way?

S. K.

A radio receiver is usually more stable when the ground connection is on, but a little loss in stability usually gives just enough regeneration to make a set more sensitive. Many receivers work as well or better without a ground.

It will do no harm to operate the set in this manner. Underwriters' regulations, however, provide that if an outside antenna is used there should be a lightning arrester on the antenna lead-in and one side of the lightning arrester must, of course, be grounded.

Eliminating the Howl

Radio Editor, Buffalo Evening News: I have a seven-tube all-electric receiver. I cannot get out-of-town stations loud enough. The wire leading to the set is 35 feet. About 20 feet pass under the house to my radio set from the aerial. When I disconnect my ground wire I get more out-of-town stations but not clear and loud enough. The set starts howling like a motorboat when I turn on the current.

J. M.

Howling when a set is first turned on is usually the result of tubes in the audio and heterodyne stages in the detector section. It may also be caused by tubes that are too old and do not emit enough electrons. The newer types of 227 and 224 tubes have faster heating filaments than previous models. These tend to minimize or eliminate the starting howl.

It may be advisable for you to have all of your tubes tested, since poor tubes are often the cause of low signal strength. You should have the tubes tested by any reliable dealer. If the volume is still low after your tubes have been tested you may find it necessary to install a longer or higher antenna.

News of the DX Club

At the first meeting of the Buffalo Evening DX Club Oct. 7 the following officers were elected: President, Mr. Foster; Vice-president, Mr. Leopold; second vice-president, Mr. Leopold; secretary-treasurer, Mrs. M. L. Ellis.

Committee members: Lester Leopold, George Burdette and Robert Shapleigh; Mrs. Kahr and Mr. Senn; Broadcast and program, Mr. Foster; Mr. Brauner; Mr. F. P. Phillips; Mr. Lamb; Mr. Lamb and Mrs. Ellis; reception, Robert Miller and Mr. Fisher; executive, Mr. Baumer; Mr. Coburn, Mr. Johnstone and Mr. Johnson.

From Mr. Brauner, KWWA, Shreveport, La., every Sunday this month between 4 and 5 A. M. E. S. T.

Sunday's Programs

Broadcasters frequently change these programs without notice.)

(N) Nat'l Broadcasting Co. 10:00—White Crescent (N). (C) Col. Broadcasting Co. 10:00—String Quartet (N). Figures to the left show kilowatts; to right meters.

900, Buffalo, WBBN. 332 A. M. 10:30—First Baptist church (N). 12:00—International hour (N). 1:00—Studio (N). 2:00—Columbia Fashions (N). 3:00—Studio (N). 4:00—Accordions (N). 5:00—Orchestra (N). 6:00—Studio (N). 7:00—Folklore (N). 8:00—Orchestra (N). 9:00—Bright Spot (N). 10:30—Albion Land (N). 11:00—Old Timers (N). 12:00—Dance orchestra (N). 1:00—Dance orchestra (N). 2:00—Dance orchestra (N). 3:00—Orchestra (N). 4:00—Sunday Forum (N). 5:00—Al. Kent Audition (N). 6:00—Catholic hour (N). 7:00—Night in Paris (N). 8:00—Beach Broadcast (N). 9:00—Lodent club (N). 9:30—Chase & Sborn (N). 9:45—Our Government (N). 10:00—Rev. R. H. Hahn (N). 10:15—Best Seller (N). 10:45—Seth Parker (N). 11:15—Hearts of Home (N). 350, Buffalo, WGB, 342. A. M. 9:00—Morning tunes (N). 9:45—Watch Tower (N). 10:00—Rev. R. H. Hahn (N). 10:15—Boy Choristers (N). 10:45—Wesleyan church (N). 12:00—St. Louis Voice (N). 12:30—Int. broadcast (N). 2:00—Morning news (N). 2:30—Violinist; pianos (N). 3:00—Finger piano (N). 4:00—Rev. Chas. Coughlin (N). 5:00—Dr. Barnhouse (N). 6:00—Coal Revue (N). 7:00—Orchestra (N). 7:30—Dr. Julius Klein (N). 7:45—Charlie & Oscar (N). 7:45—Pray Briggstocke (N). 7:45—Kathleen (N). 8:00—Dr. Hazzard (N). 8:15—Music Along Wires (N). 9:00—Angels Church (N). 9:30—Music Masters (N). 9:30—Sea Romances (N).

Programs are listed on the hour. When there is a division by means of a semicolon it designates a change at the quarter or half hour.

S. A. M. 10:00—St. Louis Voice (N). 10:30—Morning news (N). 11:00—Orchestra (N). 12:00—Children's playlet (N). 12:30—Children's hour (N). 1:00—King orches. (N). 2:00—Morning news (N). 2:30—Violinist; pianos (N). 3:00—Finger piano (N). 4:00—Rev. Chas. Coughlin (N). 5:00—Dr. Barnhouse (N). 6:00—Coal Revue (N). 7:00—Orchestra (N). 7:30—Dr. Julius Klein (N). 7:45—Charlie & Oscar (N). 7:45—Pray Briggstocke (N). 7:45—Kathleen (N). 8:00—Dr. Hazzard (N). 8:15—Music Along Wires (N). 9:00—Angels Church (N). 9:30—Music Masters (N). 9:30—Sea Romances (N).

WKBW, N. Y.—Am. Singers; Honeysuckle. WABC, N. Y.—Songs of Eli; Church of Am. WABC, N. Y.—Intermediate; Poemers. KDKA, Pitts.—Interlude; Poemers (N). WGY, Schen.—Am. Singers (N); recital.

3 P. M. 10:00—Scrappers; Vox Celestia. WNY, N. Y.—King orche.; Wonder program. WABC, N. Y.—Intermediate; Poemers. KDKA, Pitts.—Friendly hour (N). WGY, Schen.—King orche.; Wonder (N).

4 P. M. 10:00—League of Little Flower. WNY, N. Y.—Sunday Forum. WABC, N. Y.—Intermediate; Poemers. KDKA, Pitts.—Intermediate; Poemers (N). WGY, Schen.—Sunday Forum (N).

5 P. M. 10:00—Studio; Rosamie. WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Int. Broadcast (N).

6 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—New Day; Emerald Isle. WABC, N. Y.—Children's musical. WABC, N. Y.—Children's hour. KDKA, Pitts.—Church service. WGY, Schen.—Church service.

7 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. KDKA, Pitts.—Artists singers (N). WGY, Schen.—Artists singers (N).

8 P. M. 10:00—Gospel hymns. WNY, N. Y.—Studio; dance orchestra. WABC, N. Y.—Local news; Poemers. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

9 P. M. 10:00—Children's hour (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Int. Broadcast (N).

10 P. M. 10:00—Scrappers; Biblical drama. WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Local news; Poemers. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

11 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

12 P. M. 10:00—Scrappers; Biblical drama. WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

13 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

14 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

15 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

16 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

17 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

18 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

19 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

20 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

21 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

22 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

23 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

24 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

25 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

26 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

27 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

28 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

29 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

30 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

31 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

32 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

33 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

34 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

35 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

36 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

37 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

38 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

39 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

40 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

41 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

42 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

43 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

44 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

45 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

46 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

47 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

48 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

49 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

50 P. M. 10:00—String quartet; musicals (N). WNY, N. Y.—Intermediate; Poemers. WABC, N. Y.—Dr. Barnhouse; Blue Coal. KDKA, Pitts.—Church service. WGY, Schen.—Artists singers (N).

51 P. M. 10:00—String quartet; musicals (