



Radio Merit Badge Workbook - Shortwave and Medium-Wave Listening

SCOUTMASTER BUCKY

Requirement 9c - Shortwave and Medium-Wave Listening

REQUIREMENT 9c1: Listen across several shortwave bands for four one-hour periods-at least one period during daylight hours and at least one period at night. Log the stations properly and locate them geographically on a map, globe, or web-based mapping service.

You may find this website to be helpful in completing this requirement: <http://www.short-wave.info/index.php>

FIRST ONE-HOUR PERIOD - SHORTWAVE:

Date and Time:

Frequency	How long you listened (in minutes)	What you heard and signal strength	Location



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Date and Time:

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FIRST ONE-HOUR PERIOD - MEDIUM-WAVE:



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Date and Time:

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REQUIREMENT 9c3: Compare your daytime and nighttime logs; note the frequencies on which your selected stations were loudest during each session. Explain differences in the signal strength from one period to the next.

Notes:

REQUIREMENT 9c4: Compare your medium-wave broadcast station logs and explain why some distant stations are heard at your location only during the night.

Notes:

REQUIREMENT 9c5: Demonstrate listening to a radio broadcast using a smartphone/cell phone. Include international broadcasts in your demonstration.

Consider using the [Radio Merit Badge Pamphlet](#) for preparation information

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!