2010 National Scout Jamboree

Radio Merit Badge

Earn the badge while you are here, about 5 hours.

Each session begins on the hour.

Session 1 Midway Radio MB booth side A ____

Session 2 Midway Radio MB booth side B ____

Session 3a K2BSA Station (Mahone area) req 7, 8 + Amateur Radio option ____

Session 3b Midway Radio MB booth req 7, 8 + Broadcast Radio option ____

Session 3c Midway Radio MB booth req 7, 8 + Shortwave Listening option ____

Name: First_____ Last _____

Jamboree ID number (Off your badge) _____

Jamboree Troop Number _____ Home Troop Number _____

Home address: number & street _____

City: _____State: ____ zip code: _____

SESSION 3a WORKBOOK

Requirement	Date	Initial	Requirement	Date	Initial
7. Visit a radio installation	_____	/ _____	9a3 five Q signals	_____	/ _____
8. Career Opportunities	_____	/ _____	9a4 Licensing	_____	/ _____
9a1 Describe ham radio	_____	/ _____	9a5 Emergency call	_____	/ _____
9a2 10-minute contact	_____	/ _____	9a6 Describe radios	_____	/ _____

7. Visit a radio installation (an amateur radio station, broadcast station, or public communications center, for example) approved in advance by your counselor. _____

   Discuss what types of equipment you saw in use, how it was used,

   _____

   _____

   _____

   _____

   _____

   what types of licenses are required to operate and maintain the equipment, _____

   _____

   _____

   and the purpose of the station. _____

   _____

   _____

   _____

8. Find out about three career opportunities in radio. _____

   _____

   _____

   _____

   Pick one _____

   and find out the education, training, and experience required for this profession. _____

   _____

   _____

   _____

   Discuss this with your counselor, and explain why this profession might interest you. _____

   _____

   _____

   _____

9. Do ONE of the following: (a OR b OR c)

   ☐ a. AMATEUR RADIO

   1. Tell why the FCC has an amateur radio service. _____

      _____

      _____

      _____

Describe some of the activities that amateur radio operators can do on the air, once they have earned an amateur radio license. _____

_____

_____

_____

2. Using proper call signs, Q signals, and abbreviations, carry on a 10 minute real or simulated radio contact using voice, Morse Code, or digital mode. (Licensed amateur radio operators may substitute five QSL cards as evidence of contacts with amateur radio operators from at least three different call districts.) Properly log the real or simulated ham radio contact and record the signal report. _____

_____

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_____

3. Explain at least five Q signals or amateur radio terms you hear while listening.

_____

_____

_____

_____

_____

4. Explain some of the differences between the Technician, _____

_____

General, _____

_____

and Extra Class license requirements and privileges. _____

_____

_____

Explain who administers amateur radio exams. _____

_____

5. Explain how you would make an emergency call on voice or Morse code. _____

_____

_____

6. Explain the differences between handheld transceivers _____

_____

_____

and home "base" transceivers. _____

_____

_____

Explain the uses of mobile amateur radio transceivers _____

_____

_____

and amateur radio repeaters. _____

_____