Scout Name		Unit #	Date	
Radio Merit Bac	Radio Merit Badge Worksheet			
Requirement 1				
Learn the safety precautions necessary in:				
Building, Repairing, and Testing of Radio Equipment				
Erection of Transmitting and Receiving Antennas				
Requirement 2				
☐ Demonstrate the correct soldering techniques suitable for the wiring of radio equipment.				
\square Show how to avoid heat damage to transistors and other small parts during soldering.				
Explain why rosin-core solder is used rather than acid-core solder in the building of equipment.				

Requirement 3		
Draw ten schematic symbols commonly used in diagrams of radio receiver, radio transmitters, or audio-frequency equipment. Explain in general terms what each of the parts represented by the schematic symbol does.		
Schematic Symbol	Explain in general terms what the part represented by the schematic symbol does	
Schematic Symbol	Dapain in general terms what the part represented by the schematic symbol does	

_____ Unit # _____ Date _____

Scout Name

Scout Name	Unit # Date
Schematic Symbol	Explain in general terms what the part represented by the schematic symbol does

Scout Name			Unit #	Date
Requirement 4				
obsolete technology an	M THE MERIT BADGE C d is no longer in use. You ee, make adjustments to requir	may need to consult your	counselor, and with the	approval of your District
	gained from the first three recequipment using a vacuum tub			
soldered, and r fi amplifier, A0 set, and similar	ipment for your Counselor to seasonably neat. (Acceptable e C-DC multimeter, vacuum-tube apparatus. Because they are considered acceptable).	quipment includes a portable, voltmeter, FM tuner, sho	e radio, short-wave receive rtwave converter, tube, or t	r, amateur transmitter, hi- ransistor code-practice
Requirement 5				
☐ Demonstrate your ability to send and receive the Morse Code by ear for at least one minute at the rate of at least five words per minute without any errors. (Holders of unexpired amateur licenses of any class, issued by the National Telecommunications Commission are exempted from this requirement).				
NTC License		Expiration Date		
Requirement 6				
"Q" Code	of the common "Q" codes or s Explain	ignals.		
· Const				
Five common abbreviat	ions used by radio operators			
Abbreviations	Explain			

Explain how amateur radio operations prepare to handle emergency messages during the following:		
Flood		
Typhoons		
Earthquakes		
Other Similar Disasters		
Requirement 7		
Investigate job opportun	ties in radio.	
☐ Discuss with your Co	unselor.	
	uld interest you, and what training is advisable in preparing for it.	
Job	Training in Preparation for It	

_____ Unit # _____ Date ____

Scout Name