

**GREENOCK & DISTRICT SCOUTS & GUIDES  
AMATEUR RADIO CLUB**



**Girlguiding UK**



**BROWNIE COMMUNICATOR BADGE  
Amateur Radio Workbook**

**NAME** \_\_\_\_\_

## PREFACE

This workbook has been created and provided as a resource for the  
Brownie Communicator Badge by the  
**Greenock and District Scouts and Guides Amateur Radio Club.**

The Club meets most Fridays at 7.00 p.m. during term time in the Radio  
Shack at Greenock and District Scout Headquarters, Finnart Street,  
Greenock, Inverclyde.

**We welcome visitors to the Club Radio Shack.**

Should you or your Group wish to visit, please make arrangements  
through your Leader.

**We can be contacted by email at: [mm0tsg@yahoo.com](mailto:mm0tsg@yahoo.com)**



Scan with your mobile phone to visit our website.

**<http://mm0tsg.wordpress.com>**



**In order to complete the Communicator badge you must complete 3 of the following and then discuss with and show the tester what you've done.**

- \* Act or mime a scene from a recent Brownie event you have attended.
- \* Take part in World Thinking Day on the Air, or another special amateur radio event.
- \* Know how two-way radios (such as those used by the police, ships and aeroplanes) can be useful. Be able to spell your name and home town using the phonetic alphabet (A = Alpha, B = Bravo, C = Charlie and so on). Take a look at the [BBC's website](#) (this link opens in a new window) to find out more about the phonetic alphabet.
- \* Write or dictate a reading, poem or prayer then read it aloud.
- \* Learn the finger-spelling alphabet or other recognised non-verbal communication and be able to:
  - 'say' your name
  - ask someone their name and understand the reply.
- \* In a language other than your own:
  - say your name
  - order some food and drink
  - count to ten
  - say hello and goodbye.
- \* Pass on a message clearly using a phone. Show how to use a pay-phone or a mobile phone.
- \* Show five types of body language, for example feeling happy, sad, angry, fed up or confused.
- \* Make a poster, audio-tape or video-tape advert for Brownies.
- \* Send an email or letter to the tester or the [Brownie Web Team](#) saying what you would like to do on Brownie camp or holiday, and what you enjoy about Brownies.
- \* Using your [Brownie web safe code](#), take part in a live web event, such as World Thinking Day on the Internet.

Your visit to us as well as introducing you to the exciting hobby of Amateur Radio can help you complete some of the tasks on this list.

- 1) Visit an amateur radio station or take part in World Thinking Day on the Air. Send a greetings message to another amateur operator.
- 2) Know how 2-way radios work and be able to pass a message to someone. You should be able to spell your name and the name of place where you live using the phonetic alphabet.
- 3) Try some Morse code – Write your name in Morse code then send it to someone else. Listen to what someone else is sending to you. Can you understand what the other person is sending?

If you complete the following tasks you will gain your Brownie Communicator Badge.

*Good Luck!!!*

**1. (This one is easy) - Take part in World Thinking Day on the Air or another special amateur radio event.**

Since you are here in our radio station you have completed this task. *Well done!!!*

**2a. Know how two-way radios can be useful.**

Write below one reason why **one of the following** services uses two-way radio:

**Police**

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**Fire & Rescue**

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**Ambulance**

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**2b. Use the phonetic alphabet (A = Alpha, B = Bravo, C = Charlie and so on) to:**

**1. Spell your name when sending your message on the radio.**

**2. Write the name of the place where you live in this space.**

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**3. Using a non-verbal communication method like Morse code.**

**a. 'say' your name**

**b. ask someone their name and understand the reply.**

Write the other person's name here

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**4. Don't forget to ask one of the Radio Operators to sign your completed form.**

**Verified by** \_\_\_\_\_ **Callsign** \_\_\_\_\_

## Worksheets

To help you tell other members of your unit about your visit try to find out some of the following information.

All Amateur Radio operators, and clubs, have a unique call sign to help people around the world recognize them.

**1. Find out the call sign of the club**

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**2. Find out the name and call sign of at least one of the clubs operators**

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**3. Write down the name and call sign of the person you spoke with on the radio**

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**4. You will be able to send a short greetings message over the air.** To help when you are “on the air” write down what you would like to say. Always include your first name and try to tell the person operating the other station a little bit about yourself. It might be something you have enjoyed in Guides, a hobby or something about your family or pet. **Finish off by asking them a question.**

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**5. Write down the answer to your question** \_\_\_\_\_

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## The Phonetic Alphabet

Although this is not a code, it is used to make sure that people receiving a message have correctly copied what has been sent by spelling out some letters using well known words.

# Phonetic Alphabet

<b>A: Alpha</b>	<b>N: November</b>
<b>B: Bravo</b>	<b>O: Oscar</b>
<b>C: Charlie</b>	<b>P: Papa</b>
<b>D: Delta</b>	<b>Q: Quebec</b>
<b>E: Echo</b>	<b>R: Romeo</b>
<b>F: Foxtrot</b>	<b>S: Sierra</b>
<b>G: Golf</b>	<b>T: Tango</b>
<b>H: Hotel</b>	<b>U: Uniform</b>
<b>I: India</b>	<b>V: Victor</b>
<b>J: Juliet</b>	<b>W: Whiskey</b>
<b>K: Kilo</b>	<b>X: X-ray</b>
<b>L: Lima</b>	<b>Y: Yankee</b>
<b>M: Mike</b>	<b>Z: Zulu</b>

## Morse code

Morse code is a series of short and long sounds sometimes called dots and dashes, but for learning Morse code it is better to say **dit** and **dah** because that is how they sound when we press the Morse key.

# Morse Code

A •—	N —•	1 •— — — —
B —•••	O — — —	2 •• — — —
C —•—•	P •— —•	3 ••• — —
D —••	Q — —• —	4 •••• —
E •	R •—•	5 •••••
F ••—•	S •••	6 —••••
G — —•	T —	7 — —•••
H ••••	U ••—	8 — — —••
I ••	V ••• —	9 — — — —•
J • — — —	W • — —	0 — — — — —
K —• —	X —•• —	, — —•• — —
L • —••	Y —• — —	. • —•• — —
M — —	Z — —••	? •• — —••

## Thinking Day the Air (TDOTA)

Thinking Day the Air (TDOTA) takes place the third full weekend in February. If you would like to visit our station during this time, please speak to your Guide Leader who will be able to arrange a visit for you either on your own or as part of a group.



*HOPE TO SEE YOU THERE*

*73 from the radio operators of MMOTSC*