

Mission Badge

2022

*Go therefore and make disciples of all nations, baptizing them in the name of the Father and of the Son and of the Holy Spirit, teaching them to observe all that I have commanded you.
Matthew 28:19,20a*

**REACH
BEYOND**

This year, the New Zealand Cadets and Gems clubs continue to learn about the mission work of Reach Beyond, and Janice Reid's work with that organisation as a Radio Trainer. If you have just begun Cadets and Gems this year, Welcome! We hope you'll enjoy learning many new things in your time as a Cadet or Gem in your club. For those of you who completed the Mission Badge last year, Congratulations and well done! This year we will get to learn some more new things about spreading the Good News of Jesus Christ by radio. Last year over \$9700 was raised by the NZ clubs for Reach

Beyond. That is a fantastic effort! The money you fundraised went to help repair radio masts that were damaged last year in a cyclone in Indonesia. Through your fundraising effort, these radio stations can get back on air, and continue to spread the gospel over the airwaves.



Sahabat Station



Radio Musafir Voice

Some of you might have met Janice Reid recently. Janice is a New Zealander who has been working in radio for the past 30 years in South East Asia. In 2021 she returned to live in New Zealand permanently, while continuing her work with Reach Beyond. She currently teaches radio announcers from Asia through online courses. Last year she was able to visit a few Cadets and Gems clubs. She brought along studio equipment, so she could teach the cadets and gems a little of what is involved in being a radio announcer.



Janice visited Nelson Cadets and Gems club.



Some children in Indonesia attending an announcer's workshop.

Mission badge 2022 devotion

Read the Scripture verse from Matthew 28 at the top of the first page.

Where did Jesus tell his disciples to go? _____

What work Jesus tell them to do?

These were Jesus' words to his disciples. He spoke these words to them this just before he ascended into Heaven. This verse is commonly known as The Great Commission. Jesus' disciples were obedient to his instructions. They went out as missionaries into Europe, Asia Minor and North Africa to share the Good News about Jesus Christ. Since that time, the Gospel has gone out all around the world, as Christians have been faithful to Jesus' Great Commission. But there are still people today who haven't heard about Jesus, even in our own country of New Zealand. And every new generation needs to be taught.

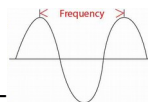
Now look up Revelation 7:9-10, and write it out here. _____

In the book of Revelation, one of Jesus' apostles, John, is given a vision of Heaven. In the verse above, Who does he see there? _____

Won't it be exciting, for us who are believers, to get to meet Jesus in Heaven, as well as multitudes of people from so many different tribes and languages and nations. Won't it be amazing to get to know them and find out how they first heard about Jesus Christ. Imagine how many of them will have come to saving faith after hearing about Jesus on the radio.

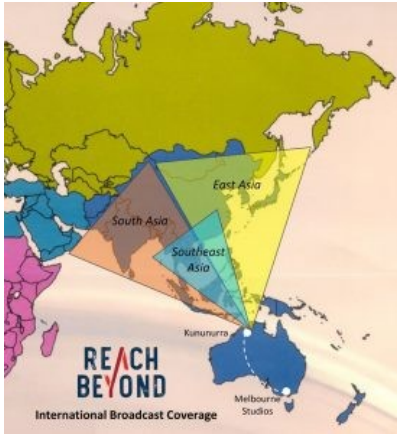
Sound can get pretty technical

Here's a bit of scientific info about sound. If it's a bit too technical and hard to understand, that's ok, don't worry.



Sound travels in waves through the air, something like this - The frequency of one wave to the next is called a Hertz. A person with excellent hearing can hear sounds up to 20 kilohertz (KHz). That's 20,000 wave frequencies per second. Frequencies that are above the range of what the human ear can hear are called radio waves. An incredible thing about radio waves is that they can travel through stuff, like even through brick walls! Have a look at a radio. You will notice that there are different frequencies that you can tune into. A radio station will transmit their programme on a single frequency. AM radio frequencies are within a certain range of kilohertz. Their signals can travel up to around a hundred kilometres. FM radio is transmitted at a higher frequency, we're now talking about megahertz (MHz). That's over 1,000,000 frequency waves per second. FM radio signals travel short distances, which makes FM ideal for small local stations. Many of the radio stations that Reach Beyond partners with in Indonesia and Thailand are FM stations. These can reach the local people in the area where the station is located. Short Wave (SW) radio transmits at really high power, and its signal is aimed at an angle so it can bounce off the earth's atmosphere. This means it can travel super long distances, like to the other side of the world! Reach Beyond's Short Wave station in Kununarra in the north of Australia sends out programmes to many Asian countries. There are even higher frequency radio waves like VHF (very high frequency), and UHF radio (ultra high frequency). Emergency services, Police, Maritime radio and forestry logging operations use these radio frequencies. Have you ever used a walkie talkie? These are two-way radios. That means that they transmit as well as receive. They're really fun to use.

Radio is an excellent way of reaching people with the gospel, especially people who live in remote places, or who live in hostile countries where missionaries can't travel. Radio is also a great way of reaching many people at once. Reach Beyond's ministry also produces programmes for digital media, like the internet and mobile phone apps.



Map showing Reach Beyond's short wave coverage from Kununarra, Australia.



A partner FM radio station in Soe, Timor, Indonesia.

From Announcer to Listener

Below are a number of sentences, in random order, describing the steps that occur from the announcer at a radio station to a listener hearing a programme on their radio. Can you number the following steps in order from 1 to 11? (You might find it easier to photocopy this page and cut the sentences into strips to rearrange)

- ___ Radio waves are radiated out from the antenna.
- ___ The listener turns on their radio, and tunes into a station.
- ___ The announcer speaks into the microphone.
- ___ The transmitter converts the sound waves into radio waves.
- ___ The listener hears what the announcer says.
- ___ The radio waves travel through the air.
- ___ The announcer plans their programme, chooses music, compiles a playlist.
- ___ Radio waves travel along the cable from the transmitter to the antenna.
- ___ The receiver in the listener's radio picks up the radio signal.
- ___ Sound waves are picked up by the microphone and go to the transmitter.
- ___ The listener's radio converts the radio waves back into sound waves.

Can you find all these words in the word find?

T R A N S M I T T E R	EAR	VOICE
A A N G O I A S I A E	MAST	LISTEN
L E N O U C Q S D B A	TALK	SPEAK
K H O S N R W I T R C	ASIA	GOSPEL
N L U P D O O S A K H	HEAR	RECEIVER
E M N E S P R E D A B	NEWS	JANICE REID
T U C L W H L C F E E	RADIO	ANNOUNCER
S S E T E O D I H P Y	MUSIC	MICROPHONE
I I R Z N N G O B S O	WORLD	REACH BEYOND
L C R E C E I V E R N	SOUND	TRANSMITTER
M J A N I C E R E I D		

Fundraising. This year, the money raised for the Mission badge will go towards the purchase of solar powered radios. So poorer people who don't own one, might be able to receive a radio of their own and have the opportunity of hearing the gospel over the radio.

Write to Janice Reid. Send her some encouragement. Let her know a little about your club, what badgework or other activities you are doing, and what your club is doing for the Mission Badge fundraising. Janice's email address is- reid4radio@gmail.com

Pray for Janice and that God will bless her in her work. Pray for the students who complete her training courses. Pray for the listeners of Christian radio stations, that they may become believers and be encouraged and built up in their faith. Pray also for Reach Beyond. In Janice's regular newsletter 'Salt', you will find more specific items for prayer.

If radio interests you, you might like to complete the Cadet Radio badge. Talk to your counsellor.

Get involved in Missions. Consider if you might be willing to serve God in missions when you're older. Reach Beyond has short term and long term positions in areas of media, community development, software development, healthcare, teaching, children's ministries, building and trades.

Counsellor signature _____ Date _____