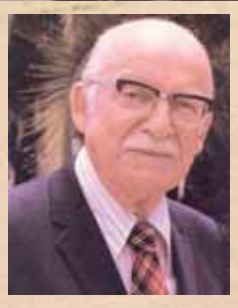


## 80TH Birthday Edition!



ABOVE: HCJB's first home  
RIGHT: Our founder, Clarence Jones  
BELOW: New Curtain Antenna,  
Kununurra, WA



We've come a long way since our founder, **Clarence Jones**, had a vision to reach the world by shortwave radio. His story is recorded in the book 'Come up to this Mountain' by Lois Neely. Almost 80 years ago, an abandoned sheep shed in the Andes mountains of Ecuador humbly became the world's first missionary radio station when, on **25th Dec 1931**, the first of HCJB World Radio broadcasts went to air. Does that remind you of another humble beginning celebrated at Christmas?

Together with our partners, our radio ministries now operate in **more than 105 countries and in over 100 languages**. Missionaries, employees and volunteers make up **more than 1000 personnel** around the world involved in international and local broadcasting, television production, health care, education and technical ministries.

**Today, HCJB Global broadcasts to most of the world's population** via international shortwave, local AM and FM radio and by satellite.



### IN THIS ISSUE

Page 2

**Kununurra Update**

Page 3

**How do those  
antennas work?**

Page 4

**Opportunities in Japan**

Page 5

**Wanted: Technical Producer**

Page 6

**Vision Journey 2012**

# KUNUNURRA UPDATE

by Peter Michalke

Work continues as we strive to build a new broadcasting facility in Kununurra, to enable transmission of a **stronger clearer signal**. Our year began with a plan to create three new antennae this season which meant raising 4 towers, manufacturing thousands of components, cutting wires, cables and ropes, bolting, welding or fastening them together and hauling them into the air.

It was an extraordinary effort requiring hundreds of man-hours but with God's help all was **achieved and on time!** We are also on track with transmitter building fit out. It's a great feeling to be this far ahead with the plan and we trust you share in our excitement as you read on.



One of our resident "spiders", Chris Webb (our electrician), in his element connecting wires on a reflector screen!

Electricity to the new transmitter site was switched on by Horizon Power at 7 a.m. on 6th August. We have lights, air conditioning and power tools. What a range of things we have to be thankful for: funding, Traditional Owner agreements, Native Title approval, close cooperation with the power company during installation, and protection for all workers. **The prayers of the faithful have been richly rewarded.**

It's really hard to capture the true scale of the project. Just try to imagine the three kilometres of 3mm wires that make up each rear reflector screen. Our engineer, Stephen Sutherland, managed to weave all the guy cables that hold the towers and screens into place (literally 100's of them) and lift the towers without getting into an awful tangle.



Assembling Wires

Stephen also (in his spare time!) redesigned our transmitter building roof structure to take the additional weight of antenna switches and cooling systems. We're delighted that the local Shire passed these modifications within the **same week of application**. This is testimony of Stephen's thoroughness and our overall standing with local authorities.

We so much **appreciate our wonderful volunteers** who travel great distances at their own expense to provide labour for our projects, mostly during the dry season (May to October). Most are well into retirement but their time belongs to God so they give us the benefit of their wisdom, skill and experience. The 'hard hat girls' get into the tough work too. All hands are needed when an aerial is being raised even if it is 6am!!



Daniel Forrer with the 'Hard hat girls': including six visiting volunteers

## RECENT GLOBAL DIRECTIONS

Globally there are new developments too. HCJB's **medical ministries** are taking off around the world, not just in Ecuador. Rapid response teams have been deployed to meet needs during various disasters (you may remember our Haiti story). Along with this, training of personnel is essential.

Training is also playing a prominent part in **radio planting** as we equip indigenous people to set up and run their own radio stations. The primary role of our colleagues in the Asia Pacific office is in the area of radio planting. In Indonesia alone, we have been involved in the planting of over 40 FM radio stations. **Derek Kickbush**, our Program Manager, is also the Director of Training for this region.

# HOW DO THOSE ANTENNAS WORK?

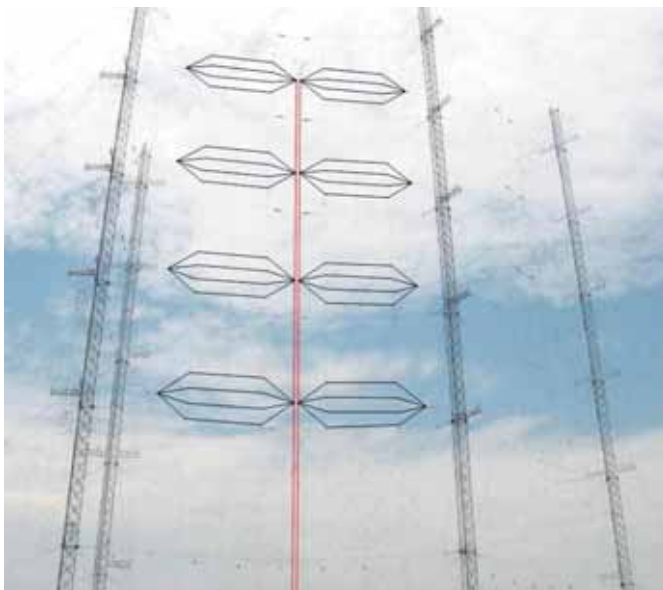
by Daniel Forrer



*Kununurra Antenna Farm as at 27 Oct 2011: Four towers on left have aeriels erected on them, as do two towers on extreme right. Others will be erected as time permits.*

The photo above shows an overview of the **antenna farm**: to the left, the antenna-trio built this year. We call them the DP antennas (DiPole antennas). The middle one that faces the viewer (just finished 23 October 2011) is ready to go. It is aimed at China. To the left is the South Pacific antenna, and to the right the India antenna.

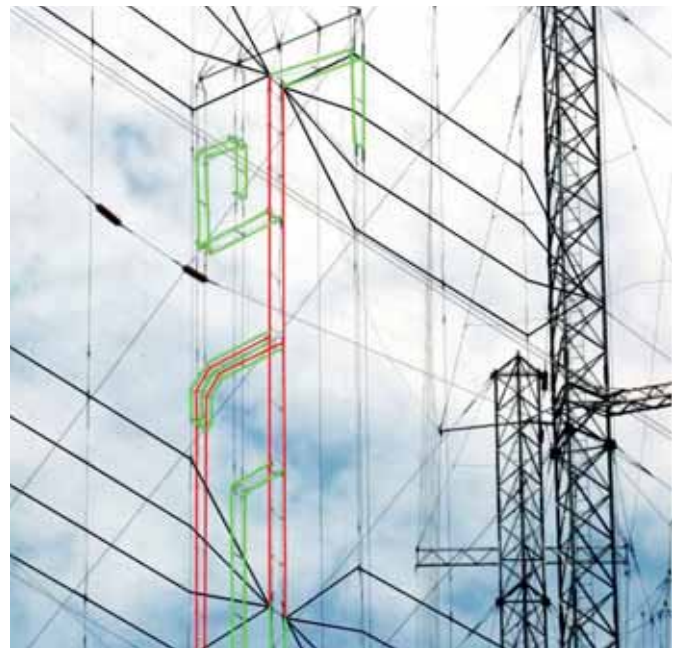
Further back you see some towers ready to hold up next years antennas. To the far right is the versatile TCI antenna that is able to direct the radio beam **towards any country within a 60 degree angle**. This antenna is ready to go as well (that's the one on the front page).



*Four Dipoles, stacked on top of each other*

So what exactly enables an antenna to transform the electrical signal of a transmitter into a radio beam that can travel through the air? In the case of the DP antenna it is (as the name suggests) the dipoles (see photo bottom left: the dipoles are highlighted in black). Using several dipoles increases the radio beam's strength.

Each dipole is fed by the feeder line coming up through the centre (in red). **We still need to build the transmission lines**. They will connect the feeder line across the paddock to the transmitters in the transmitter building.



*Stubs and Transformers*

In the above picture the top 2 dipoles are highlighted in black and feed lines in red. Highlighted in green are the electrical structures called 'stubs' and 'transformers'. Their job is to 'match' the antenna (also called '**tuning the antenna**'). The reason for tuning is to eliminate all electrical obstacles from the feed path so that the radio signal is able to travel up to the dipoles without being distracted.

An 'unmatched' antenna, even as big as this one, would not be able to send off a strong radio signal, simply because the signal would arrive at the dipoles weak and disturbed. That is where the stubs show off their muscles. Placed at the right spots (and built to exact dimensions) they will 'match' the antenna and the **full power** generated by the transmitters will leave the antenna and travel to their destination in India, China and (with these new antennas) beyond.

*Photos by Dave Brewster, Graphic art by Daniel Forrer*

# UNIQUE OPPORTUNITIES IN JAPAN

extracts from Kazuo Ozaki's Sept 2011 newsletter

The annual event **Ham Fair 2011** was held August 27/28 in Tokyo. 32,000 people came from all over Japan and overseas. **JSWC** (Japan Short Wave Club) set up its booth to promote shortwave radio listening and invited **Kazuo Ozaki**, our Japan Language Program Producer, giving him the chance to interview and connect with many **HCJB** listeners who stopped by to see him.

Kazuo and his son Michio also attended **Summer Evening Crusade** at Yodobashi Church in downtown Tokyo — an annual event where the church sets up an outdoor stage and invites passers by to enjoy the gospel music and message. Michio led the worship one of the 7 nights. The event, which over 1,500 people attended, resulted in 105 people making a **decision to follow Christ**.



Kazuo travelled to Sendai and Morioka to meet with **Tsunami affected listeners** who shared their frightening disaster and shelter experiences. Yodobashi Church sends a team every Sunday afternoon to deliver supplies, messages of hope and prayer support.

**CRASH** (Christian Relief Assistance Support Hope) has 100 active members and 1,000 volunteers working in five base camps in affected areas. Recently they constructed a distribution centre. Kazuo had a chance to interview five of them at Nasu Camp while they were getting ready to transport supplies.

During Kazuo's 2-month stay, he constantly experienced minor after-quake tremblings. **Please pray for Japan** as people try to restore their nation from the March 2011 Tsunami and earthquake catastrophe. People affected by radiation leaks from damaged nuclear reactors are still distressed about their safety. One listener who Kazuo spoke to said, "The first relief supplies came from a Christian organization and their words of encouragement comforted us during our hopeless situation. **We saw first hand that they do what they preach.**" **What a great example** for all of us. Not only should we believe in God but we must obey and through our obedience God's glory will shine through us. May God open their eyes to see His purpose in their suffering and through that, bring the Japanese people hope in Christ during this difficult time.

**HCJB Australia** airs programs to Japan every weekend.



ABOVE: Kazuo Ozaki interviews Mr Tooru Gohara, a long time listener, in Hamamatsu, Japan — his first experience of being interviewed on HCJB radio.

RIGHT: Mr Nobuo Ohmori, HCJB listener affected by tsunami

# HOW WELL DO YOU KNOW OUR BOARD? A SNAPSHOT OF JOHN HARVEY



John and Margaret Harvey

Married to Margaret, John is a retired Electronics Engineer who was employed for 42 years with the Department of Defence. John spent his last 10 years with Defence as head of a research simulation facility at the Aeronautical and Maritime Research Laboratories at Fishermens Bend in Melbourne.

John has been **a member of the HCJB Board for 13 years**. He has spent considerable time at our International Broadcast facility in Kununurra, managing the facility for 12 months in 2005/6.

John and Margaret both serve in numerous other capacities too, are always willing to lend a hand and we **appreciate them very much**. They have just moved house and been overseas, so have been missed.

## HCJB AUSTRALIA IS LOOKING FOR A TECHNICAL PRODUCER (VICTORIA, AUSTRALIA)

HCJB Australia has a temporary position, 2-3 days per week, until October 2012, for a Technical Producer at our Kilsyth Studios in Victoria.

This role has the key responsibility of downloading and scheduling radio programs into our broadcast automation computers. If you love missions and are keen to get the word out to people who have never heard the Good News of Jesus, then this job is for you.

The successful applicant is considered a missionary volunteer and will have to raise their own financial support to cover their living expenses, usually through gifts from home churches and other supporters or have the capacity to be self-funded.

### Start Date:

As soon as possible

### Requirements:

- » Computer skills and understanding of computer networking
- » Willingness to learn
- » Heart for missions work

You will be joining a close-knit team so team skills are essential.

### More information can be obtained from:

hcjb.personnel@hcjb.org.au  
or phone 03 8720 8000

## GETTING THE WORD OUT

We're always very happy and willing to come and share about God's work through HCJB Australia. **Would you please consider asking** your pastor, missions committee or small group leaders if they would value someone to come and share about what we do and how effective it is? There are still many people who tell us they had never heard of HCJB before.



## CHANGED LIVES

### Manager of partner station in Nepal:

“ We have a cell group that has formed in a town in central Nepal. The group formed as a result of people listening to our radio broadcasts. There are now 12 people ready for baptism. We are planning to build a church in this town. Please pray for us.

### Listener from Japan:

“ From today’s program, I learned it is important to believe in God. A Psalm by David gave me the courage. Thanks.

### Hindi-speaking listener, India:

“ Your programs are really fantastic. They help drive away social evils and customs.

### Listener from Bangladesh:

“ Your station is the best of all radio stations around the world because of your presentation, talking style, friendly relation, informative programs and educational programs. We always discuss your programs and introduce other people. Now all my colleagues listen every day to your programs.



## VISION JOURNEY 2012 (FLIER ENCLOSED)

**Saturday 14/04/2012 – Saturday 28/04/2012**

**Vision Journey 2012** is a fully escorted 15 day tour. Flying into Darwin, it combines a visit to many popular tourist attractions around the top end of the Northern Territory and Western Australia with a **first-hand look** at HCJB’s broadcast and farming facility at Kununurra.

*“The leaders were fantastic! ...such lovely open fellowship! Every step of it and all the people were beautiful.... Absolutely recommend it!”*

— Helen Duke, Vision Journey 2011

Cost of \$3,775 per person includes all travel and accommodation costs plus most meals.

**Secure your place** by sending your \$500 deposit to Uplift Tours and Travel, PO Box 1100, Redcliffe, Qld 4020, clearly stating it is for the HCJB Vision Tour.

### For further information, contact:

HCJB Board Member Wes Taylor on (03) 9558 0179

**OR**

Tammy of Uplift Tours and Travel on  
reservations@uplifttours.com

or 07 3283 1966, 0447 168 023 as soon as possible.

***We have enclosed a flier for the tour.** If you have already been or can’t go yourself, please pass it on to a friend. You are also very welcome to request multiple copies if you think you might be able to encourage a group to go.*

## BROADCAST SCHEDULE

Our new Schedule began on the **30th October, 2011**

To see it, go to our website [www.hcjb.org.au](http://www.hcjb.org.au)  
or phone us for a copy on Ph **03 8720 8000**



**Voice and Hands Australia** is published quarterly by HCJB Australia (ABN 79 083 631 869). HCJB Global is a non-profit, evangelical, interdenominational organisation, dedicated to heralding Christ Jesus’ Blessings around the world via international and local radio, TV production, health care, education, technical services and publications.

<b>HCJB AUSTRALIA</b> PO Box 291 Kilsyth VIC 3137 Tel: (03) 8720 8000 Fax: (03) 8720 8020 Email: office@hcjb.org.au	<b>HCJB NEW ZEALAND</b> PO Box 12319 Penrose 1135 NZ Email: office@hcjb.org.nz
--	---



It is here that I want to say, “Thank you”. We may have begun in a sheep shed, but today we reach literally millions of unreached people with the Gospel through daily broadcasts from Australia to the Asia Pacific region – broadcasts that carry with them a message of hope, redemption and encouragement.

We are humbled and grateful when listeners ask us to pray for them.

*“Could you please pray for me? I am spiritually low, and I lose my peace often. I stopped praying and reading the Word. Please pray for me. Thank you.”*

— Listener, Central Asia

We know that **what we do at HCJB changes lives**. People are desperate for the truth. That’s why we keep doing it. Whether you are a regular supporter or have never made a donation, **will you consider a special Christmas gift** to help us continue to change lives with the message of Salvation?

We know that we could not do this without your faithful financial support and commitment to prayer.

**Your next gift, no matter how small, will launch many more humble beginnings as people give their lives to Christ. Thank you for helping us to continue being the Voice of Jesus.**

*Sharing Christ’s love,*

A handwritten signature in black ink, appearing to read 'Dale Stagg', written in a cursive style.

Dale Stagg  
CEO, HCJB Australia