

This week we are trying something new.

An open mike, however instead of singing, members will be able to talk about some of their more interesting home renovation projects. After hearing some of the tales in the pub on Friday I am sure this will become a regular feature!

Next Meetings	Tuesday 16 <sup>th</sup> April 2019	Tuesday 23 <sup>rd</sup> April 2019
Location	Highlands Golf Club	Highlands Golf Club
Program	Home Renovations	Cold War Aviation
Speaker	Various	Victor Hugo
Intro / Vote of Thanks	Lynton	Peter Tyas
Dinner Fee Duty	John Hoelle	
Journalist	Denise Coad	
Regalia Duty	Ian Johnson	

If you are unable to do duty, please find a replacement and advise Trevor Fair by email: [trevorf@oxleypartners.com.au](mailto:trevorf@oxleypartners.com.au)



## UPCOMING EVENTS

30<sup>th</sup> April - author Steve Matthews - "The Skinny Girl" - is a thought-provoking story about a victim of emotional domestic abuse.

7<sup>th</sup> May - Nicole Blaik - SH Community Centre - an update on current issues in the Highlands.

## Welcome

President Lynton welcomed all especially visiting Rotarians John McPherson, Stan Cornwall and Ron Sheppard.

## Invocation - Brian Elliott

## International Toast – Gwenda Webb



In April 1994 a plane carrying the Presidents of Burundi and Rwanda was shot down in central Africa. Both Presidents were of the Hutu tribe and the destruction of the plane was carried out by the Tutsi Rwanda Patriotic Front which was in civil war with the government of Rwanda.

The origins of the Hutus and Tutsis is uncertain. Some believe that they were castes of the same race of Bantu people which settled the area in the rift valley of central Africa while others believe them to have arrived from different places at different times.

The tensions between them had their roots in the 18th Century when Tutsi kings ruled and treated the Hutus harshly. European governments carved up the continent in 1884 awarding Rwanda and Burundi to Germany. Belgium seized Rwanda during the First World War and continued to hold the country under a UN Trust after the Second War ruling through the Tutsi monarchs.

In 1959 Hutu activists started an uprising which led to 100 000 Hutus being displaced into Burundi and mass killings by the Tutsis.

The Belgians withdrew and left them to it in 1962 and the Hutus revolted, killed many Tutsis and established the new independent Rwanda

dominated by Hutus.

The Rwandan Civil War began in 1990 when Tutsi refugees invaded from Burundi and when the Presidents were killed the genocide on Tutsis and moderate Hutus began, 25 years ago this month.

By the time it was over a million people were dead but the Tutsis had won the Civil War. Peace has returned and tribal division has been officially removed from citizenship.

The devastation destroyed the economy which has struggled to recover with subsistence agriculture the main internal activity and tourism one of the only foreign exchange earners.

Nowadays there are 11.3 million Rwandans and their capital, Kigali has 1.2 million. Rwanda is one of only 2 countries where women hold more than half of the seats in the national legislature.

The Rotary Club of Kigali-Mont Jali was Chartered in District 9150 in 1999 in the new Rwanda. President Aimé Kabandana leads 27 members who are active in local education and health projects including *End Polio Now*.



## Announcements

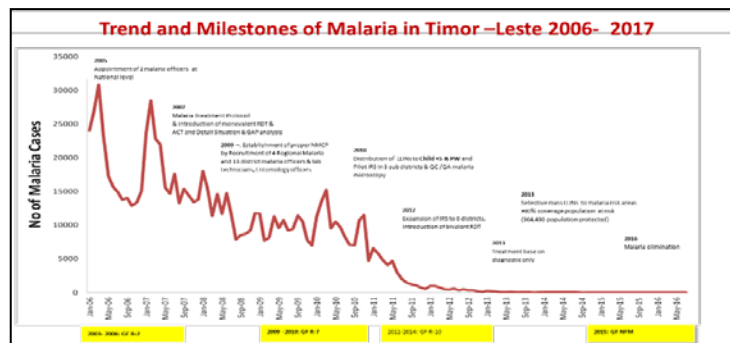
### Ian Johnson – RAWCS

- 2 applications have been submitted. Vanuatu Merapp and an alternative being a stand alone school. More detail to come.

Imperial Pizza this Friday. An unexpected volume of discussion then followed including some question about Louie's parents. All from a simple announcement????



## Guest Speaker – John McPherson



Solomon Islands focus is on the elimination of stagnant water with villages being provided with training and kits to allow them to drain water preventing pooling. The incidence of malaria has reduced by 22% with the realistic aim of reducing outbreaks by 47% by 2020.

Alternative research has also been undertaken concerning the habits of the mosquito including vector control around huts.



Numerous Australian Universities are undertaking research including Griffith Uni, Burnett Institute, James Cook Uni, Walter & Eliza Hall Uni, ANU and the Australian Army Malaria Research Unit.

LLIN is a mosquito net impregnated with insecticide, which is cleverly bound within the fibres of the netting and is “slow released” over a 4-5 year period. As there was some resistance to pink nets all nets are now blue in colour.

MOSBAR soap is also being distributed in high incidence areas.

Joker Draw – 2 winners this week Louie and John Hoelle.



## RAM – Rotarians Against Malaria

RAM is one program in the RAWCS portfolio and focuses on the eradication of malaria specifically in PNG, Solomon Islands, Timore Leste.

In Papua New Guinea the fourth round of bed nets are now being distributed. The incidence of malaria has been reduced by 75%. Logistics and administration are the current challenges.



In Timor Leste 40,000 nets will be distributed this year, which has become possible due to a \$250,000 Global Grant.



# THE ELEVENTH SOUTHERN HIGHLANDS SCIENCE & ENGINEERING CHALLENGE & FIFTH DISCOVERY DAY

A project of the Rotary Club of Bowral-Mittagong



The Challenge will be on Monday, 2nd June  
Discovery Day will be Tuesday, 3rd June, 2019

This year we celebrate the Eleventh Science and Engineering Challenge. Over the past ten years over 2 400 Highlands and Tablelands students from 12 high schools have engaged in fun and competitive activities developed by the University of Newcastle in their program launched in 2000.

Over the last four years we have also conducted Discovery Days for 1 070 Year 6 students from 22 local primary schools.

The Challenge and Discovery Day are organised by volunteers from the Rotary Club of Bowral-Mittagong and Engineers Australia, Sydney Division - Southern Highlands and Tablelands Regional Group.

Supervision is by the University of Newcastle with volunteers from:

- the local Rotary Clubs
- Engineers Australia
- Inner Wheel Club of Southern Highlands
- Bowral Uniting Church

With generous sponsorship from:

- Humes Concrete Products
- AW Tyree Foundation
- Jemena Gas Networks
- Boral Cement
- Engineers Australia, Sydney Division
- Ace Gutters
- Dobsoni Constructions
- Mittagong RSL Club
- Australian Defence Force

The 2018 Discovery Day was won by a combined team from Gib Gate Primary School and Wingello Public School

The Science and Engineering Challenge is an outreach program aimed at changing students' perceptions of science and engineering. Through the Challenge, students experience an aspect of science and engineering which they would not usually see in their school environment. The Challenge aims to inspire students in Year 10 to consider a future career in science or engineering by choosing to study the enabling sciences in years 11 and 12. Discovery Day aims to interest them before high school so they take the higher STEM streams throughout their secondary education.



## OUR AIM

To present science and engineering to high school and primary school students in an inspirational manner through a range of fun activities.

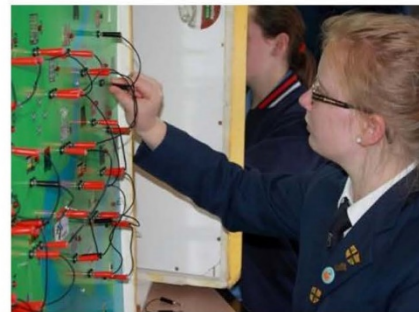
To maximize the pool of students eligible to study science related subjects in high school and at a tertiary level by encouraging secondary students to undertake science, technology, engineering and mathematics subjects at the highest level to equip them to enter university STEM courses.

To provide opportunities for young people to move into careers that are rewarding for them and that help build the wealth of our nation.

## Schools which compete in the Challenge include:-

- Bowral High
- Chevalier College
- Frensham
- Moss Vale High
- Oxley College
- SH Christian School
- St Paul's International College
- Wollondilly Anglican College

## Discovery Day includes students from 22 primary schools and colleges in the Wingecarbee Shire



## Students from each school compete in activities which can include:-

- Building a bridge
- Building a model table and chair
- Building a robotic hand
- Building an earthquake resistant structure
- Building a model mars rover
- Building a communications model
- Designing a power distribution network
- Designing an efficient network



The Science and Engineering Challenge is organised into Regions and Zones across the Country. Each region conducts its Challenge with the winning school proceeding to the Zone Final known as the Grand Challenge. The Zone winners go on to the National Grand Challenge and the National Championship.

The Discovery Day is run as a stand alone event. Without the pressure of winning the emphasis is on enjoying the experience and learning from it.

The response of the children and their teachers is rewarding for all of volunteers and organisers.



Images from some of our past events showing students building and testing their models and the assembled mass during the bridge testing at the end of the day.

The Challenge and Discovery Day with other STEM outreach programs of the University of Newcastle has expanded into every state and territory in Australia, reaching well over 590 000 students so far from over 1 100 schools and involving over 3 400 volunteers every year.

The number of Challenge Regions has increased from 5 in 2001 to 60 in 2018.

This expansion has been achieved through the support of Member Clubs of Rotary International, Members of Engineers Australia, 30 universities and many communities and especially our Sponsors.

There has been no Federal funding for the last 5 years - a small amount of funding through a partnership between the University of Newcastle and Defence Force Recruiting has been welcomed over the past two years.



## WHAT THEY SAID

### Teacher from a winning school in an earlier year

"Just wanted to say how much we enjoyed our day. Needless to say the kids were all absolutely overjoyed at winning on the day and came back to school stepping very high indeed. I was impressed by how well the day was run and just how lovely all the Rotary members and Engineering volunteers were. In all a very feel good day".

### Engineers Australia Southern Highlands member

"The children in our group were enthusiastic, polite and altogether a pleasure to be with. It all made the efforts by everyone so worthwhile".

### Retired Teacher.

"I enjoyed it as much as the students".

### High School Students

"It made science fun".

"I had fun doing the challenge and if that is what you can do for a job I will definitely continue with science and an engineering career".



"It was encouraging for me to continue in other engineering activities and broaden my career options".

"Great fun. A good thinking exercise".

### Rotarian from the Rotary Club of Bowral-Mittagong.

"I would like to pass on to the schools involved congratulations on the behaviour of the students. They were polite, enthusiastic and very respectful of both the volunteers and the equipment. The kids made my day very enjoyable".