



K O O N G G A

Bulletin of the Rotary Club Of Ku-ring-gai Inc
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Rotary serving humanity

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Bob Elsworth promoting Bobbo in Croatia



This photo was taken on the old city wall in Dubrovnik.

Arrived Split yesterday and did a walking tour of the old Roman Palace remains this morning.

Heading to Plitviče Lakes National Park tomorrow morn by coach for a couple of days.

Been a fabulous tour so far starting in Zagreb mid August then boarding a converted ferry for 13 days. Ferry took 28 of us quite comfortably in double cabins each with own bathrooms. Called into a range of ports within the Croatia archipelago along the Adriatic.

pelago along the Adriatic.

A stunning waterway and coast line with crystal clear water and no nasties to nibble your toes when you pull up anywhere to swim. Since Wed we have been doing some land content by bus and will finish the tour in Zagreb.

Travelling with my younger sister and bro in law and Kath's older sister and her bro in law. Next Wed we pick up a car in Zagreb and drive through Slovenia to Lake Bled and Ljubljana for a few days. Back to Zagreb to fly out Mon 12th Sept

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Rob Edwards and the Bouma project

Last year the Rotary Club of Ku-ring-gai joined with Lindfield and Roseville Chase clubs to provide solar panel power for schools in remote locations in Fiji.



Last week project leader Rob Edwards came to a combined meeting of the clubs to give an update after the devastation of Cyclone Winston.

Rob started by reporting that he is now a Rotarian so he was speaking from the “inside.” This, in turn, made working with the corresponding Rotary Club in Fiji – Tevi Uni much easier. He then reprised the reasons for the project.

In Fiji electricity is the key to education. Without power to schools there is developing a massive divide between rural and urban young people with rural youth simply unable to progress to higher skills. They simply don't have the technological

knowledge.

In the remote areas what power exists – often simply enough just to run a single laptop or a photocopier - is provided by expensive and unreliable diesel generators which have to be maintained by the teacher. Power is not available for teachers' accommodation or simple things like television. As a result it is difficult to attract good teachers to remote locations.

The introduction of solar power is a game changer.

The main school benefiting from the project was the Primary School of Bouma which has 157 students and 9 teachers. Prior to the coming of solar power what electricity was available was supplied by a small hand-pulled diesel generator. The teachers went to be by kerosene light.

Everything changed when the solar panels were installed. Computers could run, photocopiers could photocopy, the teachers could watch television in the evenings; life took a massive leap forward. Then came Cyclone Winston.

Fortunately the system that Rob had installed on our behalf was designed to be robust. There was some damage from flying debris and some battery failures but all-in-all it survived a hundred year event remarkably well.

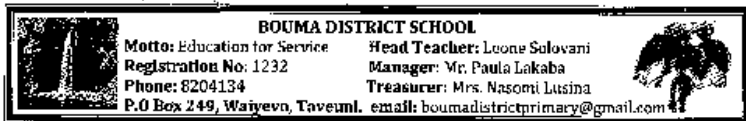
Rob Edwards and the Bouma project continued

As Rob said, you cannot begin to imagine the change this has made in the lives of the students and teachers of the primary School of Bouma. And there will be more projects next year.

At the conclusion of the presentation Rob presented letters of thanks from the teachers and students of Bouma the “the Chiefs of Lindfield, Ku-ring-gai and Roseville Chase.

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Letter of thanks for our donation to Bouma school



26/11/15

The Rotary Club of Ku-Ring-Gai

Dear Sir / Madam

We the teachers, parents, students and stakeholders of the school would to convey to you our deepest gratitude for financially sponsoring our Solar system.

The assistance is a blessing to the school . It has boosted educational developments and achievement of the school.

Thank you for the kind heart and we pray that our good Lord will bless you and your family always.

Yours faithfully,

Leone Solovani. (Head Teacher)



This weeks topic and speaker

Designing an ethylene biosensor (how to stop people from squeezing avocados)

Have you ever packed a banana for lunch but forgotten about it, later finding that it has coated your bag with a sticky, mushy mess? Have you ever ventured into the supermarket to seek out that perfect avocado, squeezing countless candidates but finding none that make the cut?

Ethylene is the major hormone involved in plant ripening, and this has led to it's regulation being crucial to the agricultural industry. Premature ripening has resulted in large losses in the agricultural industry. However, it is currently difficult to efficiently and cost-effectively measure the levels of this elusive gaseous hormone. This year, the University of Sydney iGEM team will develop a portable, convenient and cost-effective biosensor to measure ethylene concentrations in all sorts of situations.

Current ethylene detection methods for regulating ripening rates include gas chromatography, electrochemical or optical sensors, or simply dispensing a set volume of ethylene gas into a sealed fruit room. Alternatively, ripeness is monitored by inspecting colour or firmness of the fruit. These existing methods are generally expensive, inconvenient, or involve direct contact with the fruit. **By creating a cell-based biosensor, iGEM Sydney aims to create the foundation for a safe, reliable method of ethylene detection which will minimize global losses due to fruit spoilage.** This can potentially be translated to a cell-free, paper based biosensor which can take the form of a fruit sticker, immediately displaying the ripeness of the fruit.

Claudia Moratti

I'm in my third year of a Bachelor of Chemical Engineering/Bachelor of Science degree, majoring in both Pharmacology, and Molecular Biology and Genetics . I have an unhealthy fascination with chemiluminescence, that has its roots in my high school lab. This has taken me to all corners of the world, from Sydney to Stockholm and now to Boston with iGEM. I am now leading USYD's iGEM team alongside my studies.

Movie Evening

Please join us for another fun-filled Monday night at the Roseville Cinema!

Bridget Jone's Baby (CTC) - on Monday 19th Sept at 8pm, at Roseville Cinema.

It's been over 10 years since we've had a run in with Bridget Jones.

Renee Zellweger played the title role in two films from the early 2000's.

The first film [*Bridget Jones' Diary*](#) was a massive hit, and the sequel, *Bridget Jones: The Edge of Reason...* wasn't a total failure.

While it's been a long time since we've seen Bridget Jones, we can guess what she's been up to from the title of the new film [*Bridget Jones' Baby*](#). Check it out!

Tickets \$20 each -

Please line up your friends for a fun night and confirm your attendance at the following link;-

Entry form

<https://goo.gl/7sesKV>

festivities commence from 7pm with drinks & nibbles in the upstairs lounge

parking in the Pacific Highway after 7pm, and at the rear of the shops.

EaglesRAPS needs your old laptops

If you have old Laptop computers please advise Michael Midlam

This week

Clarke Road report next week's issue

Rotary Subscriptions

Your subscription of \$300 is now due, please pay at your early convenience

Legacy

Thanks to Legacy volunteers we raised over \$5k

Calendar of events

12-Sep	iGEM (Contact is Claudia Moratti. Matt is a conduit.)	cfmoratti@gmail.com
19-Sep	Film Night	
26-Sep	Taylor Harrison (M: 0413 355 828)	Keeping fit and healthy
03-Oct	Labour Day	
10-Oct	TBC Pride of Workmanship	
17-Oct	TBC Pride of Workmanship	
24-Oct	Belinda Howell	Education as an export
31-Oct	Cameron Kerr	100 years of Taronga
07-Nov	Ted Price	What the doctor prescribed..
14-Nov	TBC: Captain Cameron Hartman	Qantas antarctic flights
21-Nov	TBC Business Session	

President	Michael Midlam
Vice President	John Aitken
Immediate Past President	Graham Timms
President Elect	Malcolm Braid
Secretary	Lindsay Forrest
Treasurer	Chris Lewis
Director	Greg Newling
Director	Linda Lam Rolfs
Service committee chairpersons and committees	
Administration (Club Service)	Gary Keating
Vocational Service	Lou Coenen
Community Service	Roger Desmarchelier
International Service	Georgina Manning
Youth Service	Linda Lam-Rohlf's
Social events	Joy Newling
Bobbin Head Cycle Classic	Tony McClelland
Sergeant-at-Arms	Graham Timms
Club committees	
<p>Administration: Gary Keating, Geoff Hungerford, Rob Hall (Program), Bob Ivey (Web and social media), Graham Maslen, Tony McClelland (Koongga)</p> <p>Bobbin Head Cycle Classic: Tony McClelland, John Aitken, Ross Egan, Bob Elsworth, Peter Kipps, Michael Midlam, Gary Keating</p> <p>Club History: Malcolm Braid, Tom Jackson</p> <p>Community: Roger Desmarchelier, Gary Dawson Rob Hall Geoff Hungerford (Gordon Markets) Gary Keating Ross Egan (Daffodil Day) Chris Hoch (Red Shield) Anil Fulwaria Nick Kenyon Ted Price Cathy Jackson</p> <p>International: Georgina Manning, Rob Hall, Graham Timms, Graham Maslen, Greg Newling, Anil Fulwaria, Emyr Evans</p> <p>Membership: Tony McClelland,</p> <p>Public Relations: Emyr Evans, Georgina Manning,</p> <p>Rotary Foundation: Chris Hoch, Peter Tang, Lindsay Forrest, , Greg Newling</p> <p>Social Events: Joy Newling, Ross Egan, Georgina Manning,</p> <p>Vocational: Lindsay Forrest, Lou Coenen, David Forsythe, Peter Kipps, M Tyler</p> <p>Youth: Linda Lam-Rohlf's, , Cathy Jackson, Gary Keating, Chris Lewis, Matt Mah-joub, Andrew Marselos, Joy Newling, Don Riddell</p>	