



K O O N G G A

Bulletin of the Rotary Club Of Ku-ring-gai Inc - Chartered 6th February 1959



Volume 58 No. 44 20 June 2016

This week: Marten Wynd: Eagles RAPS

In late 1997, Eagles RAPS was formed by local community members in response to youth suicide in the Blacktown area. Determined to



make a difference, they established a service where young people could seek assistance. Although not trained in youth work, they believed that they could help the young people by seeking the right professional help to address their issues.

Marten Wynd was one of those founders. He will update us on the current status of Eagles RAPS and its plans for the future.

Last meeting's guests and notices

President Graham;

- Welcomed our guest speaker, Leonie Newman, and Andrew Marselos;
- Reported that the club has produced the first draft of its own Working With Children procedure manual;
- Requested members to ask their partners and other family members who may be involved in the club's projects with children to register on the Working With Children Register; and
- Announced that the club has agreed with the Rotary Club of Mumbai North Island to co-sponsor an Indian student who has applied for a Rotary Foundation Global Grant to enable her to undertake post-graduate study in Sydney for 2 years. If her application is successful, Georgina Manning and Anil Fulwaria have agreed to be her mentors.

Roger Desmarchelier asked for volunteers to operate a sausage sizzle for the opening of Lifeline's new shop in Waitara from 11 am to 2 pm on Thursday, 23 June and thanked Past President Tony McClelland, President Graham, President-Elect Michael Midlam and

Rotary monthly theme: Rotary fellowships

Potential President Linda Lam-Rohlf's for volunteering.

Chris Hoch reminded members to renew their Centurion memberships or become Centurions before 30 June in order to claim a tax deduction for their \$100 contributions to the Rotary Foundation.

Induction of Andrew Marselos

President Graham inducted Andrew Marselos to membership of the club, with the classification 'Local Government Youth Development'. He will serve on the Youth Committee.



Andrew is a busy fellow. Apart from being a third year student of law and psychology at Macquarie University, he works in a youth related role for the new Northern Beaches Council (the third council that he has worked for in such a role) and runs his own tuition business for high school students. He says he has no time for fun, unless it's volunteering with organisations that work with youth, such as Headspace, YEAH and Beyond Blue. But he plays social soccer and hockey and used to play guitar in various bands.

Welcome to the club, Andrew!

NSW Volunteer of the Year Award

Nominations are open for the NSW Volunteer of the Year Award. Please show the volunteers you know how much you value their dedication and hard work by nominating them for an award – see the flyer later in this edition.

These awards are a great way to show our appreciation for the wonderful volunteers in our community, and to boost public interest in volunteering overall. Awards presentation ceremonies will be held for Sydney North on Monday 5 September at Northbridge Golf Club, and for Hornsby/ North West on Friday 9 September at Castle Hill RSL Club.

The NSW Volunteer of the Year Award is an annual

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The club meets every Monday 6.30pm at Killara Golf Club, 556 Pacific Highway, Killara. Visitors welcome (Tel: 9498 2700). www.kuringgairotary.org.au 'Be a gift to the world' is the Rotary International President's theme for 2015-16

awards program launched in 2007 by The Centre for Volunteering to recognise the outstanding efforts of the 2 million+ volunteers in NSW, and to promote the importance of volunteering to the community.

In 2016, there are 8 categories of awards:

- Student – Full-time students in Primary, Secondary, Vocational or Tertiary study
- Youth- 24 years and under
- Adult – 25 to 64 years
- Senior – 65 years +
- Volunteer Team
- Excellence in Volunteer Management
- Corporate Volunteer (Individual)
- Corporate Volunteer Team

The winners of Student, Youth, Adult and Senior categories will be eligible for the award of Volunteer of the Year.

Nominations close on Friday, July 15 2016 – Nominate Today!

HippoRollers delivered



Some time ago, Vernon Song proposed to his fellow Rotarians at the Rotary Club of Chatswood Sunrise that they explore the possibility of supplying HippoRollers to a village in South Africa where women and children traditionally cart buckets from local water sources to their homes - 20 litres (20 kgs!) carried either on the head or by hand. Yet one HippoRoller can carry 90 litres, All the weight is in the barrel and it's easily pushed or pulled.

Recently the fund-raising bore fruit: thirteen HippoRollers were delivered to the rural community of Mathibestad, northwest of Pretoria. No longer are backs and necks strained; one trip to water replaces four; children can instead attend school. Chatswood Sunrise, the "boutique" Rotary Club of the three in Willoughby, is pleased to be " a gift to the world" as it "serves humanity." And they have had fun doing it as well!

(Once the exchange rate is taken into consideration - payment is in USD - each HippoRoller costs around \$AUD200)

Springwood invests in community health

Members of Springwood Rotary Club are very proud of their \$48,000 contribution towards community health in



the Lower Blue Mountains of NSW.

Club members and representatives of Blue Mountains City Council recently combined resources to fund and install a ten station exercise area on the southern border of Summerhayes Park, Yellow Rock, on the outskirts of Springwood.

The project is the 'brainchild' of 2015/16 Club President Pat Ainslie during her year as President Elect and the plan has been slowly developed over the last two years. She received staunch support from Past President Colin Kenney and a small committee of dedicated workers.

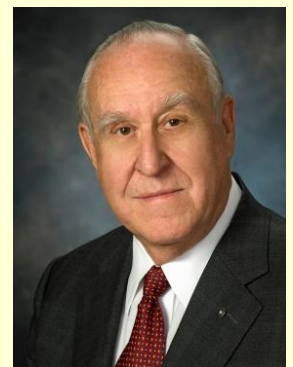
Springwood Rotary provided the major part of the cost of the state of the art exercise equipment, whilst Blue Mountains Council provided support with site selection and installation.

Ten work stations allow for a full range of physical exercise and training – legs, arms, shoulders and back – and large groups of morning and afternoon joggers have already been seen enjoying the facilities. The exercise area will be open for public use 24 hours a day and the equipment is designed to be vandal proof.

An impressive plaque has been struck to acknowledge Springwood Rotary and Council. It will be safely installed in a secure rock bed to ensure permanent record.

Rotary International President-Elect

Rotary International President-Elect John F. Germ is board chair and chief executive officer of Campbell and Associates Inc., consulting engineers. He joined the firm as an engineer in 1965 after four years in the U.S. Air Force. He serves on the boards of several organizations, including the board and executive committee of the Public Education Foundation, Orange Grove Center Inc., and as board chair of Blood Assurance Inc. He also is founder and treasurer of the Chattanooga State Technical Community College Foundation and president of the Tennessee Jaycee Foundation.



Germ joined Rotary in 1976 and has served Rotary in numerous roles at club, District and International level. He and his wife, Judy, are Benefactors and members of the Arch Klumph Society of The Rotary Foundation.

They have four children and six grandchildren.

Germ has chosen *Rotary Serving Humanity* as his theme for 2016-17. Noting Rotary's unique ability to bring together committed professionals to achieve remarkable goals, Germ believes that "now is the time to capitalize on our success: as we complete the eradication of polio, and catapult Rotary forward to be an even greater force for good in the world."



Last meeting: Leonie Newman: Power generation



Leonie Newman studied physics, pure mathematics and statistics at university and worked variously in medical physics and the pharmaceutical industry. However, from a young age she was intrigued by a new possibility for power generation. Following is a summary of her talk about it.

Humanity has two current big issues: how to supply the energy we

need and how to do it without adding carbon to the atmosphere.

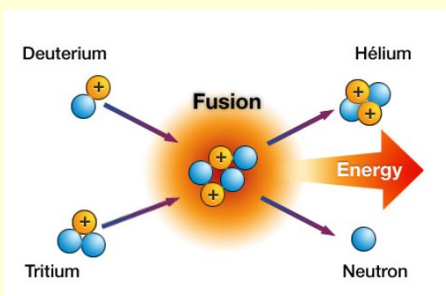
The demand for electricity is likely to rise by two thirds by 2035. (Between 40-50% of primary energy currently used is electricity.) Nuclear power provides about 11% of the world's electricity. (It's 21% in OECD countries.)

Nuclear power is the most environmentally benign way of producing electricity on a large scale. By comparison renewable energy, whilst providing clean power, is expensive and intermittent and is unlikely to meet global demand.

There are two ways to make nuclear power - by splitting large nuclei (e.g., uranium isotopes), which is how nuclear power has been generated to date, and by fusing small nuclei (e.g., hydrogen isotopes).

Nuclear fusion is the process that occurs in the sun and stars. The energy that lights the universe is released by joining hydrogen nuclei together. It's nature's power source.

The nuclear fusion reaction is a very simple one, but it requires a temperature of about 150 million degrees centigrade. The reaction fuses nuclei of deuterium and tritium to form a helium nucleus and a high speed neutron, which carries energy, as a plasma. (Plasma make up about 99% of the universe.)



A power station will use the neutron's energy. The plasma needs to be kept away from material surfaces to avoid cooling or contamination, so strong magnetic fields are used to contain it.

The advantages of nuclear fusion are:

- It produces no atmospheric pollution.
- The fuel required is abundant.
- It's an efficient way of making energy (1kg of fusion fuel produces the same energy as 10 million kg of fossil fuel).
- It's safe.
- It produces no long-lived radioactive waste.
- It can be made economically competitive.

Research into nuclear fusion has been going on since at least 1945. In 1985 the Soviet Union suggested building a fusion plant with Europe, Japan and the USA. In 1992 35 countries combined to establish the International Thermonuclear Experimental Reactor ('ITER'). In 2005 it was agreed to build it at Cadarache, Provence, France.

It is being built now, funded by Europe, China, India, Japan, Korea, Russia and the USA.

The ITER project

aims to transition from experimental studies of plasma physics to full scale electricity producing power stations. The goal is a tenfold return on energy (500 megawatts of fusion power from 50 megawatts of input power).

The ITER reactor should be ready within 10 years. ITER will be followed by a demonstration power plant, which is expected to be ready in 25-30 years. If successful, the first generation of commercial fusion power stations will then be built.

The timescale to fusion power could be accelerated with increased funding. Currently the amount spent on research is negligible - less than 0.1% of the total energy market worldwide.

Leonie concluded by saying that the final solution to the world's energy crisis depends on sustained public investment. This is a challenge that needs to be confronted now, because at some point in the future the world will generate its power by nuclear fusion. There simply is no other way to deliver the trillions of watts needed to make life comfortable for all the people on the earth.

Next week: Changeover

It's time to celebrate the achievements of the past year, congratulate President Graham and his team for a job well done and welcome incoming President Michael and the new board of directors.

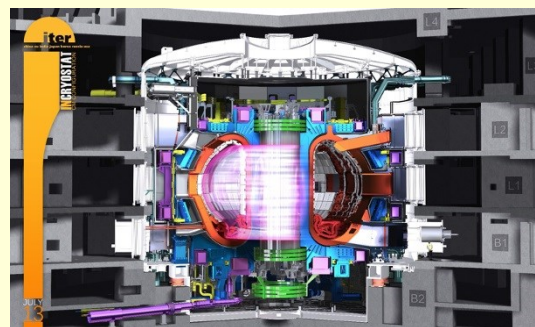
In a radical departure from previous years, we're meeting in a Thai restaurant. So come along with your spouse/partner and enjoy a relaxing evening in the company of friends while indulging in a fine Thai banquet.

Venue: Thai at Terrey Hills, McCarrs Creek Road

Time: 6.30 pm for 7 pm.

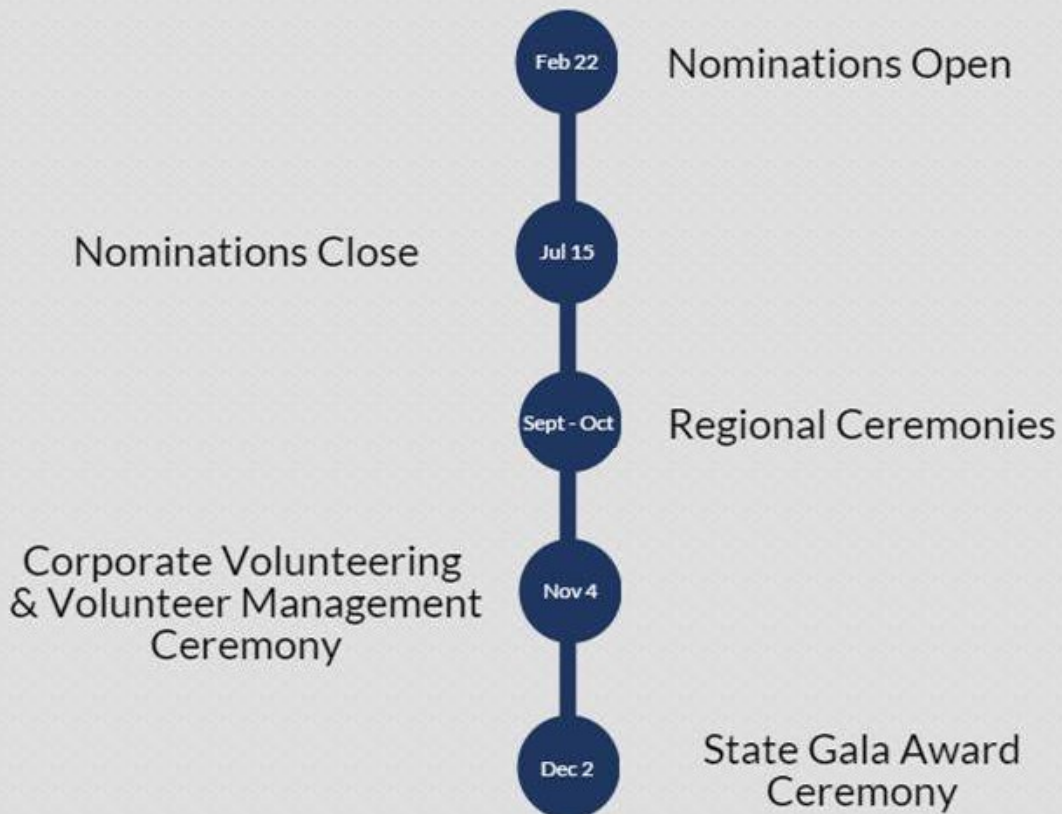
Dress: Black tie/lounge suit

Booking & payment: by Wednesday, 22 June



2016 NSW Volunteer of the Year Awards

KEY DATES



Nominate volunteers today

The 2016 Volunteer of the Year awards recognise, celebrate and raise awareness of the outstanding efforts and valuable, selfless commitment of the millions of volunteers and not-for-profit organisations in NSW - the lifeblood of our community.

Visit www.volunteering.com.au/volunteer-awards/ for more details

Presented by



the **centre** for
volunteering

Calendar of events

July	4	
	9	(Saturday) Set up Lifeline Book Fair
	11	
	17	(Sunday) Pack up Lifeline Book Fair

Club officers and committee chairmen 2015-16

Board of directors

President	Graham Timms
Vice President	John Aitken
Immediate Past President	Tony McClelland
President Elect	Michael Midlam
Secretary	Geoff Hungerford
Treasurer	Graham Maslen
Director - Membership	Tony McClelland
Director - Public Relations	Roger Desmarchelier
Director - Club Administration	Michael Midlam
Director - Service Projects	John Aitken
Director - Rotary Foundation	Peter Tang

Service committee chairmen

Administration (Club Service)	Michael Midlam
Vocational Service	Lindsay Forrest
Community Service	Roger Desmarchelier
International Service	Georgina Manning
Youth Service	Linda Lam-Rohlfs
Social events	Joy Newling
Bobbin Head Cycle Classic	Tony McClelland
Sergeant-at-Arms	Malcolm Braid
Assistant Secretary	Lindsay Forrest
Assistant Treasurer	Chris Lewis

Club committees 2015-16

Administration: Michael Midlam, Geoff Hungerford, Rob Hall (Program), Bob Ivey (Web and social media), Graham Maslen, Michael Tyler (Koongga)

Bobbin Head Cycle Classic: Tony McClelland, John Aitken, Ross Egan, Bob Elsworth, Peter Kipps, Graham Timms

Club History: Malcolm Braid, Tom Jackson

Community: Roger Desmarchelier, Gary Dawson, Ross Egan (Daffodil Day), Chris Hoch (Red Shield), Nick Kenyon, Ted Price

International: Georgina Manning, Roger Desmarchelier, Emyr Evans, Dilys Geddes, Rob Hall, Graham Maslen, Greg Newling

Membership: Tony McClelland, Ken Sackville

Public Relations: Roger Desmarchelier, Linda Lam-Rohlfs, Georgina Manning,

Rotary Foundation: Peter Tang, Lindsay Forrest, Chris Hoch, Greg Newling

Social Events: Joy Newling, Ross Egan, Dilys Geddes, Georgina Manning,

Vocational: Lindsay Forrest, Lou Coenen, David Forsythe, Peter Kipps, Michael Tyler

Youth: Linda Lam-Rohlfs, Anil Fulwaria, Cathy Jackson, Gary Keating, Chris Lewis, Matt Mahjoub, Andrew Marselos, Joy Newling, Don Riddell