

**Rotary Club of Wynberg**

**WYNPRESS**

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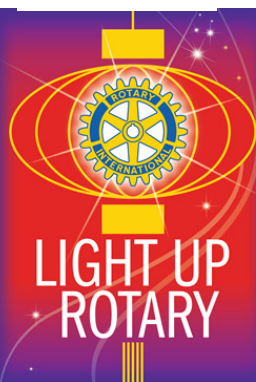
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**Rotary in October  
Vocational Service**



**EDITORIAL**

*Submitted by Justin Schonegevel*

**Star Trek or Reality**

In a distant part of the galaxy, 300 years in the future, Starship Enterprise Captain James T. Kirk talks to his crew via a communicator; has his medical officer assess medical conditions through a handheld device called a tricorder; synthesizes food and physical goods using his replicator; and travels short distances via a transporter. Kirk's successors hold meetings in virtual-reality chambers, called holodecks, and operate alien spacecraft using displays mounted on their foreheads. All this takes place in the TV series Star Trek, and is of course science fiction. Many of the technologies that we saw in Star Trek are beginning to materialize, and ours may actually be better than Starfleet's. Best of all, we won't have to wait 300 years.

Take Captain Kirk's communicator. It was surely an inspiration for the first generation of flip phones, those clunky mobile devices that we used in the 1990s. These have evolved into smartphones, far more advanced than the science-fiction communicator. Kirk's device didn't receive e-mail, play music, surf the Web, provide directions, or take photos, after all. It also didn't sweet-talk him as Apple's Siri does when you ask her the right questions.

Apple recently announced that iOS 8 will provide a platform for medical-sensor data that will be displayed by an app called Health. Google, Microsoft, Samsung, and others are all racing to build their own platforms and medical devices. We will soon see a new generation of wearable devices such as bracelets, watches, and clothing that use external sensors to perform electrocardiograms and measure our temperature, blood oxygenation, and other vital signs. These will later be replaced by less obtrusive sensors in skin patches, tattoos and eventually microchips embedded in our bodies. As well, we will have cameras and heat, gas, and sound sensors in our bathrooms, kitchens, and living rooms that constantly monitor our health and lifestyle.

What are making these health sensors possible are miniaturized mechanical and microelectromechanical (MEMS) elements made using microfabrication technology. Similar advances in microfluidics and nanofluidics are enabling development of labs on thumbnail-sized chips. Nanobiosym, for example is developing a device, called GENE-Radar, that can identify, within minutes, a range of illnesses, including AIDS, malaria, tuberculosis, and cancer. Such devices will also be ubiquitous and immediately identify a broad range of disease markers. Unlike the Star Trek tricorder, which is used occasionally, they will constantly be monitoring our bodies.

When you look at the advances that have already happened in 3D printing, you begin to realize that this is the making of the Star Trek replicator. 3D printers can create objects in plastic, metal, glass, titanium, human cells, and yes, even chocolate from a design. Today's 3D printers are painfully slow, and it takes many hours to print a breadbox-sized object; but in a decade, they will become as common, fast, and inexpensive as our laser document printers. In about two decades, we will be 3D printing our dinner as well as our electronics.

We already have Star Trek— and Jetsons-like video-chat capabilities. Rather than require the large, clunky monitors that we saw George Jetson and Captain Kathryn Janeway use, ours use free Facetime and Skype apps that run on smartphones and laptops. Holodeck-type video conferences have also been possible for several years. I spoke via hologram, in 2011, to a bunch of entrepreneurs in Uruguay using technology that a small company there, Holograam, had developed. Remember the holographic message from Princess Leia to Obi-Wan Kenobi, in *Star Wars*? That's how my beamed image looked.

Start-ups such as Oculus, which Facebook recently purchased, are developing virtual-reality goggles that simulate the real world. Others companies are developing three-dimensional projectors that beam images onto screens that make a person look as though physically present. These technologies are in their infancy, but watch them grow and add touch and smell capabilities. We will be meeting each other through virtual reality, and it will feel as if we are really there.

The universal translator that Captain Kirk used to talk to alien species is also in development. Google Translate already does a great job of translating pages of text from one human language to another. And earlier this year, Microsoft demonstrated a real-time, voice-based, language interpreter that works on Skype. I don't expect any progress on alien languages until we encounter some alien species, but a commercially available virtual real-time translator (a virtual interpreter) for human languages isn't so far away.

Scientists recently announced that they had made breakthroughs in quantum teleportation. They were able to show a promise of quantum information transmission — showing the duplication in the spin state of an electron between one place and another, through quantum tunneling — without transmitting matter or energy through the space intervening. This led to hopes that we might one day see a Star Trek-like transporter that can beam our atoms from one place to another. I am not waiting for this one, however, as there is no way that I will willingly allow my atoms to be disintegrated in one location and reassembled in another. I would worry about a software bug or a hardware crash. We saw these too in Star Trek. I'll just stick to the self-driving cars that will become commercially available by the end of this decade.

The most exciting Star Trek marvel of all — the Starship Enterprise — may also be on its way.

In discussion at Fox Studios in March 2012, Elon Musk told me that he planned to retire on Mars. He said he was inspired by Star Trek and planned to build a spacecraft like the Starship Enterprise to take him there. I really thought he was joking — or had had too much to drink. But after that, his company Space Exploration Technologies Corp., or SpaceX, successfully docked a spacecraft it had built, called the *Dragon*, with the International Space Station and returned with cargo. On Dec. 3, 2013, SpaceX launched a commercial geostationary satellite using *Falcon* rockets. SpaceX says it is planning a *Dragon/Falcon 9* flight in 2015, which will have a fully certified, human-rated, escape system useable during launch.

I'll bet that Musk does develop a version 1 of the *Enterprise*. And he may well be our first real-life Captain Kirk.

## MEETING OF 16 OCTOBER

**Attendance: Great to have a 73% attendance!**

**Visitors:** Bruce Dietrich, Linda Connor, Gavin Connor, Kit Schreiber, Kerri Connor, Jess De Smidt, Monique Ewen, Tamsyn Manking

**Pres. Jackie** welcomed all guests to the meeting.

She mentioned that 9 October was World Food Day. With 1 in 4 people going hungry on a daily basis. We received a remarkable deposit from Oddemarka School in the amount of +/- R 337,000 which would again benefit the schools that we support in the Grassy Park Area. Nittedal Rotary Club has again joined our Rotary Club in the second Global Grant for Victoria Hospital.

### Slots

**Justin** reminded us to please book our tables of 4 to 6 people for the Quiz evening taking place on 13 Nov 2014 at Tango's Restaurant.

**Kerri** The Rotaract Club of Wynberg is again asking for help with Uncle Paul's which will take place from 27 November to 21 December 2014.

**David** Reminder of the Santa Shoe Box drive to be held at the CTICC on 1 December. He sent through the list again for Rotarians to put their names down to help with this project.

**Biffy** reminded all of the ICOR event on 29 Oct.

Also a reminder for the wine tasting and auction to be held by Constantia RC on 31 October.

## Jackpot

With the kitty now getting to a considerable amount, Karen's name was drawn. Jumping with joy that she pulled the 9 she had to concede that it was not the nine of diamonds but the nine of heart that she drew to the relief of I am sure a number of avid buyers of tickets!  
Graham Todd won the attendance prize.

## President's quote

"Fantasy is a necessary ingredient in living, it is a way of looking at life through the wrong end of the telescope"

Dr Seuss

## Guest Speaker



Graham Todd introduced our guest speaker Shelly Windell from The Sunflower Fund.

Shelly received an e-mail from her hairdresser with the subjectline "I was thinking of you when I received this" It was an e-mail challenging her to walk the "Great Wall of China" for a charity. The charity she had chosen was The Sunflower Fund. Her training started in the October and this was done on a daily basis come rain or shine.

She did the walk in the April of the next year. The walk took them through beautiful fields and farmland. Some places there was still snow on the ground. She mentioned that they only could take 3lt of water a day and had to be careful of what they ate. She was one of just a few that finished the whole 8 day walk and said that the plight of the cancer patients was her motivation and inspiration to finish.

Today Shelly works for The Sunflower Fund.

Bev Bird thanked the speaker – Thinking back to Chris Corlett

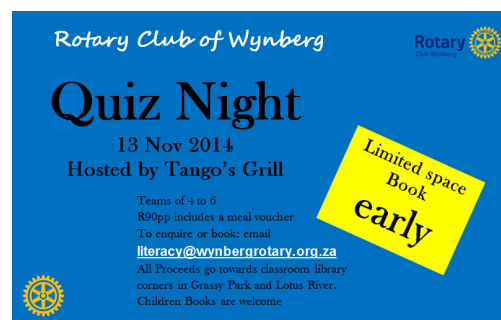


## Duty Roster



		Social	NOVEMBER		
	22	30	6	13	20
<b>Sergeant</b>	Van Wyk		Gavin		Murphy
<b>Attendance Officer</b>	A O'Driscoll	No	A O'Driscoll	Quiz	A O'Driscoll
<b>Wynpress Editorial</b>	Schreiber		Todd	Evening	van Niekerk
<b>Minutes for Wynpress</b>	Smith	Meeting	Overbosch	at	Smith
<b>Door Duty</b>	Bredenkamp	Social	Cleveland	Tango's	Du Plessis
<b>Grace</b>	Schreiber	on	Todd		van Wyk
<b>Loyal Toast</b>	Van Eeden	29	van Wyk		Barnard
<b>International Toast</b>	Cleveland	October	du Plessis		Gowdy
<b>Speaker Introduction</b>	Gavin		N/A		Howard
<b>Speaker Thanks</b>	Danckwerts				Cleveland
<b>Find Speakers</b>			van Wyk, Gowdy, Overbosch, Todd, Murphy, Klotz-Gleave, Van Niekerk		

## Programme

- Wed Oct 22 Joint Meeting with RC Kromboom: DG visit – **NB Kelvin Grove Grill Room**  
 Thu Oct 23 No meeting: (DG visit 22 Oct)  
 Fri Oct 24 World polio day  
 Wed Oct 29 Joint club social: I-core: Cape Town Society for the Blind  
 Thu Oct 30 No Meeting (see Oct 29, above)  
 Fri Oct 31 RC Constantia Wine Festival  
 Sun Nov 2 – Sun Nov 9 Visit by Haugaland College  
 Mon Nov 3 Wynberg Rotaract meeting  
 Thu Nov 6 Business meeting: election of Board for 2015-16  
 Fri Nov 7 NLC Bursary evening- de Duine School  
 Thu Nov 13 Quiz evening - Tango's ----->  
 Mon Nov 17 Wynberg Rotaract  
 Thu Nov 20 Normal meeting: Barry Cleveland's travels  
 Sat Nov 22 Steenberg Rotaract Charter (venue tbc)  
 Wed Nov 26 – Mon Dec 22 Uncle Paul's (Wynberg Rotaract)  
 Thu Nov 27 Social: Rotary Foundation / International (location tbc)  
 Mon Dec 1 Wynberg Rotaract meeting  
 Thu Dec 4 Uncle Paul's  
 Thu Dec 11 Business Meeting  
 Fri Dec 12 Our Charter Day  
 Mon Dec 15 Wynberg Rotaract  
 Thu Dec 18 Christmas Party (details tbc): Our last day for 2014.  
 Thu Jan 8 Start of the new year: Normal meeting, Speaker Dave Barnard on the Battlefields!



See the WRC [calendar](http://wynbergrotary.org.za/calendar/) (http://wynbergrotary.org.za/calendar/ ) for full details.

Like us on ,  follow us on twitter (@wynbergrotary) and visit the [Rotary Club Wynberg website](http://wynbergrotary.org.za) to keep up to date



# HELP ROTARY WIN THE **FIGHT** AGAINST **POLIO**

Rotarians have been fighting to eradicate polio for more than 20 years, and we are this close to achieving our top priority. Now is the time to act, to join this historic effort, and to help us

**CROSS THE FINISH LINE**

HERE'S WHAT **YOU** CAN DO



# BUILD AWARENESS

It's important that all Rotarians know the current status of global polio eradication efforts and Rotary's unique role. Please share the PolioPlus story on social networks and ask others to join the effort.

- Ensure Rotary clubs and districts in your area are engaged
- Inform your communities about progress and the stakes involved and ask them to help
- Share the information on [www.endpolionow.org](http://www.endpolionow.org)



# RAISE FUNDS

Rotary has invested over US\$1 billion, as part of a global investment of over \$9.5 billion in polio eradication. As a result of this investment, polio is at the lowest levels ever. Yet a critical funding gap threatens this progress as we work to reach the most vulnerable children in the most challenging places.

- Contribute at [endpolionow.org](http://endpolionow.org)
- Hold a fundraiser in your community
- Encourage new Rotarians to contribute to PolioPlus



# REACH OUT

As an organization of business and community leaders, Rotarians are well-positioned to reach out and ask for support from their professional networks.

- Identify corporations and organizations in your community who may be friendly to this cause
- Ask these organizations to contribute funds, sponsor fundraising events, or provide in-kind support
- Ask professional colleagues to join our cause



# ENCOURAGE ADVOCACY

Inspired by the success of Rotary's PolioPlus program, governments of the world set the goal of a polio-free world in 1988. Government support is needed now more than ever to ensure that we conquer polio once and for all.

- Invite elected officials to visit your club or participate in events
- Highlight the historic significance polio eradication
- Encourage political and financial support
- Thank all those who get involved





# TOP 5 REASONS TO ERADICATE POLIO

- 1. THE HUMAN COST:** If we choose to control polio rather than eradicate it, polio could rebound to 10 million cases in the next 40 years.
- 2. IT'S ACHIEVABLE:** We have the tools to end polio and the means to reach all children. The new, bivalent vaccine successfully targets the two remaining strains of polio in one dose.
- 3. IT'S A GOOD INVESTMENT:** An independent study published in the medical journal *Vaccine* estimates the \$9 billion global investment in a polio-free world will net an economic benefit of \$40 to 50 billion over the next 20 years.
- 4. IT STRENGTHENS THE SYSTEM:** Our polio eradication efforts have established an active disease surveillance network in all countries that is being used for other health interventions such as measles vaccinations, deworming tablets, and mosquito bed nets.
- 5. IT SETS THE STAGE:** The ability to reach all children with the polio vaccine is proof of concept that we can succeed on our next major global health initiative.

[WWW.ENDPOLIONOW.ORG](http://WWW.ENDPOLIONOW.ORG)