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Garden Festival

The effects of the bad weather and election must not detract from the major effort carried out by **Ross Egan and Dilys Geddes**.

Frank White and John Thompson went to the Festival site on Friday and were still there when I departed at 5pm Sunday.

Emyr Evans organized a significant music presentation with many excellent groups and orchestras.

Bob Ivey probably spent more hours than all the members of our club with the major effort he put into designing and creating the new Festival WEB site. No one asked he just did it! Probably on one thanked him because I am not sure if anyone knows what he really did.

Linda Lam Rolfs did an excellent job with publicity for the Festival

I cannot mention all members who put in significant time and effort before and during the Festival but most of our members made significant contribution during the weekend



Meeting Apology

Please use the club website before 3pm on meeting day to apologise or add a guest or you will be required to reimburse the club for your meal cost.

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Guests

President Michael welcomed Joyce Cribb and also Scott Drake who has not attended for some time.

Movie Night profit

\$1171.00 will be sent to Polio Plus from the proceeds from the Movie night. Well done Ross Egan

District Conference

Peter Tang said the Conference was excellent and there was a good balance. He enjoyed the dinner at Parliament House with the Keynote Speaker. Peter showed photos but unfortunately I do not have space for this in this issue.

Some Rotoractors are leaving soon and could become prospects for Rotary.

Rotoract is holding a Trivia night on April 16.

Guest Speaker Chris Walsh

Chris manages 120 research staff at the University of Sydney. Most of the research is Optic Fibre.

•Optical communications

•Who does the research?

•Our role

Comms research

•Mid 60s: Low loss optical fibres discovered

•1988: First undersea optical cable laid

•Mid 80s: optical amplifiers developed

•Mid 90s: 100+ channel optical communications systems deployed

•~ 2008: Application of high spectral efficiency modulation techniques to improve data capacity

Fundamental research

•Mid 60s: Low loss optical fibres discovered

•Mid 80s: optical amplifiers developed

•Mid 90s: 100+ channel optical communications systems deployed

Where was the research done

•Major industrial labs (Bell Labs, Alcatel, etc)

•Universities

–Research centres

–Spin off companies



Information propagation in fibres

•Electrical signal (computer, telephone etc) is 'replicated' on an optical carrier using well-established modulation techniques

•Converted back into electrical signals at the other end.

•Optical carrier frequency ~ 200 terahertz so fibre capacity is many terabits per second

Where to now

•Video over internet

•Social networking

•Growth in IP-enabled mobile devices

•Growth in e-surgery, e-education, e-commerce.

∅ The capacity of our existing networks will not match demand within 10 – 20 years

Research

•0 – 5 years: industry

•5+ years: universities, research institutes.

•What is Australia doing?

Guest Speaker

Industry

•Industry

–Finisar Australia (30+ staff, growing rapidly)

–Small start ups (eg Ofidium, Melbourne)

–Major telecom suppliers (Alcatel-Lucent, etc) – mainly solutions developers in Australia

•Academia

–CUDOS: Centre of Excellence for Ultrahigh bandwidth Devices for Optical Systems

•New infrastructure – The Australian Institute of Nanoscience

\$100M + facility with 1200 m2 clean room for nanofabrication recently funded under EIF round 3; ready for occupancy 2013 – 2014

•Building designed from the ground up for nanofabrication – unique in Australia (literally – the nanofabrication labs are underground!)

•CUDOS a prime motivator for and beneficiary of this facility

•Bandwidth Foundry Int'l (now owned by USyd) to be re-located from ATP together with a \$3m i-line stepper for nanofabrication funded by ANFF

Rotary Foundation Thought for The Week

34) This week's Rotary Foundation Thought is about Club Goal Setting.

Clubs are asked to set annual giving goals for the *Every Rotarian, Every Year* effort. We're asking every Rotarian to support our Foundation with a minimum US\$100 contribution. At the President-elect Training Seminar (PETS) in March, your club president-elect will be asked to submit an annual giving goal form for the upcoming year. History has proven that clubs that set goals follow through with them. Many clubs are exceeding that goal now. "We decided to try for a total of \$600,000 or \$200 per capita in our district," says PDG Holly Callen, D5950 USA. "It seemed like a real stretch and it took us three years to get there, but by setting an ambitious goal, we were able to achieve it. This year we have raised the goal to \$1 million - \$300 per Rotarian!" As our club sets its goal for the coming year, we should also remember to measure our success by the number of lives we've saved and changed.

District 9680, giving to the Annual Programs Fund in 2009-10 averaged US\$120 per Rotarian, an outstanding result. Six countries exceeded US\$100 per capita, including Nigeria and Mexico. Australia was ranked 10th at \$82 per head. How does your Club stack up?

Rotary Acronyms

| | |
|-------------|--|
| NCC | National Coordinating Committees (of RAWCS) |
| NESS | National Engineering Summer School |
| NID | National Immunization Days |
| NPF | National Project Funding |
| NYSF | National Youth Science Forum - A programme sponsored by Rio Tinto to enable select secondary science students to attend a science forum annually |

Apologies & Guests

Members are booked in to attend every regular meeting of the Club, if you cannot attend a meeting or wish to book in a guest / partner please access the WEB at <http://www.kuringgairotary.org.au> before 3.00pm on the day of the meeting. An apology for future meetings may also be entered. If you do not apologise for non-attendance the Club must pay for your meal and you will be asked to reimburse the Club.

Guest Speakers

See club website: "Member Forum - Events" for whole year listing of events

| | |
|------------|--|
| 28 Mar | Irene Kennedy—History of Dentistry |
| 4 April | Bob Ivey—Three Gorges Dam |
| 11 April | Pride of Workmanship |
| 16 Apr | Francis Lavally - President of the Rotary Club of Bo in Sierra Leone |
| 25 Apr | Anzac Day / Easter Monday - no meeting |
| 13 Jun | Queen's Birthday holiday—no meeting |
| Mon 27 Jun | Changeover Dinner, Rotary Club of Ku-ring-gai |
| 19 Sep | District Governor's visit |

Market roster

| Time | 10 Apr | 8 May | 12 Jun |
|-----------------------|------------------------------------|--|------------------------------------|
| Banners | White, Frank | White, Frank | White, Frank |
| Signs | Timms, Graham Hungerford, Geoff | Timms, Graham Hungerford, Geoff | Timms, Graham Hungerford, Geoff |
| Morning Set up | White, Frank Thompson, John | White, Frank Thompson, John | White, Frank Thompson, John |
| 0800 – 1030 | Newling, Greg Newling, Joy | Aitken, John Ivey, Bob | Fletcher, Howard Krishnan, Bala |
| 1030 – 1300 | Houghton, Judy Jones, Caroline | Coenen, Lou Andrejewskis, Rasma | Evans, Emyr Midlam, Michael |
| 1300 – 1530 | Kipps, Peter Braid, Malcolm | Desmarchelier, Roger Kennedy, Irene | Egan, Ross Forsythe, David |

MARKET DUTIES: You must initiate changes & advise Geoff Hungerford. Third Shift returns signs & bins to St George Bank

Door team

| Duty | March | April | May | June |
|---------|------------------|------------------|---------------|------------------|
| Greeter | Geoff Hungerford | Eleanor Filewood | John Aitken | Emyr Evans |
| Team | Frank White | Michael Midlam | Bala Krishnan | Rebecca Fletcher |
| Team | John Thompson | Joy Newling | Greg Newling | Geoff Hungerford |

NOTE: The door team is responsible for welcoming visitors and guests, recording payments and issuing copies of the record to the President, Secretary and Bulletin Editor. Please arrange your own replacement.

Happy days March 2011

| Birthdays | | Anniversaries | |
|-------------------|--------|-----------------------------|--------|
| FORSYTHE Patricia | 1-Mar | DRAKE Scott Jaquiline | 4-Mar |
| CRIBB Joyce | 2-Mar | MITCHELL Adele Ross Goodman | 4-Mar |
| DRAKE Jaquiline | 5-Mar | HOCH Chris Amanda | 6-Mar |
| FORSYTHE David | 7-Mar | THOMPSON John Sue | 10-Mar |
| THOMPSON Sue | 18-Mar | LeCOMPTE Petra Lindsay | 14-Mar |
| | | FISHER Frank Patricia | 15-Mar |
| | | KRISHNAN Bala Dilshad | 17-Mar |
| | | IVEY Bob Gwen | 24-Mar |