



36TH PROFESSOR HARRY MESSEL INTERNATIONAL SCIENCE SCHOOL



The 36th Professor Harry Messel International Science School (ISS) - Light and Matter has concluded for another two years. One hundred and fifty scholars took part in this year's ISS with eight scholarships awarded to Year 11 and 12 Indigenous students through the ISS Indigenous Science Scholars program.

ISS2011 highlights included the lectures by Professor Sir John Pendry, Professor Allan Clark, well-known astronomer Professor Fred Watson AM, Professor Ben Eggleton and Dr Deanna D'Alessandro. Dr Karl Kruszelnicki AM was again a popular speaker staying back to sign the Light and Matter book of Lectures and to have his photo taken with the Year 11 and 12 scholars.



It was excellent to see so many of our alumni and friends at the ISS2011 Gala Reception held in The Great Hall. The young winners of the ISS2011 science prizes were Hadleigh

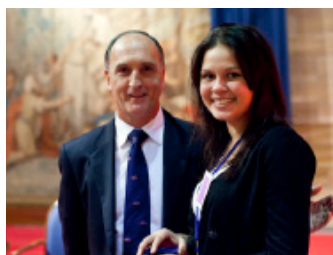
Frost, who was awarded the Len Bassler Scientific Leadership Prize, and Joelene Putoriero who was presented with the Mulpha Leadership Award.

Australia's Chief Scientist, Professor Ian Chubb AC presented Hadleigh Frost, a Year 12 ISS scholar, with the prestigious Len Bassler Prize for Scientific Leadership.

Hadleigh, who is in Year 12 at Lincoln High School in Canterbury, New Zealand said he was very excited to have been awarded the Prize. Hadleigh was selected for 'His intelligence beyond his years, excellence in communicating science to others, enriching the intellectual experiences of others and (given his abilities) has humility'.

The Chief Scientist said was very impressed by Hadleigh's accomplishments, "I was delighted to present this important award to Hadleigh. He has a lot of talent, drive and potential and it's comforting to know that its people like Hadleigh who hold the future of the world's science in their hands."

Joelene Puntoriero from Noonamah, Northern Territory, was presented with the coveted Mulpha Leadership Award by Mulpha Australia's Chief Financial Officer, Mr Greg Dyer. Joelene was selected for 'her warmth, grace and poise, inclusive nature, working well with others, quietly confident style of leadership and for rising to the occasion and engaging with others'. A student at Taminmin College in Humpty Doo, Joelene said she was 'surprised and delighted' to win the award.



Warm congratulations to Hadleigh and Joelene!

Of course a successful free international science education program for 150 teenagers doesn't just happen. An enormous thanks must be paid to the amazing ISS team of Dr Chris Stewart and Mrs Alex Green who between them direct traffic, managed the lecturers program and generally ran the whole science school.

Thanks also to Professor Clive Baldock, Head, School of Physics, who not only encouraged the acceptance of additional Indigenous Science Scholars increasing the five scholarships offered to eight but also the School's involvement in the ISS2011. Great thanks also to ISS Staffies (volunteer science mentors/team leaders). A huge thanks to the Young Scientists of Australia (YSA) who run the social activities of each ISS and to the ISS Houseparents, John Bright and Karen Palmer, who look after the scholars during their two week stay on campus. Thanks to Dr Tiffany Donnelly, Gineke de Haan and staff at The Women's College and to all the Physics and Faculty of Science staff who assist and have input into the ISS. Very appreciative thanks to all ISS2011 lecturers and speakers. Thanks also to Peter Thorn Design for the design and production of the ISS2011 Book of Lectures and to Chris Bennett, ISS2011 photographer.

Finally, many thanks to all our donors. Your support enables this excellent program to continue.



IN BRIEF

Plans for the **Australian Institute for Nanoscience** (AIN) aka the 'New Physics Building' are moving along. The chief design consultant/architect has now been chosen by the evaluation team and a recommendation, endorsed by the AIN Project Control Group and the Executive Steering Committee, has been submitted to the University Tender Board. Once the Tender Board has approved the recommended architect design of the new building will commence.

Respect the Science – The Federation of Australian Scientific and Technological Societies (FASTS) was established in 1985. The Federation consisted of societies representing the interests of Australia scientists and technologists. Recently FASTS was relaunched as Science & Technology Australia (STA) – www.sta.org.au. Science & Technology Australia represents approximately 68,000 scientists and technologists, and promotes their views on a wide range of policy issues to government, industry and the community. 'Respect the Science' was launched recently as an initiative of Science & Technology Australia at 'Science meets Parliament' 2011 and received considerable attention in the media and has been commended by the Prime Minister, the Chief Scientists across Australia, scientists across a range of disciplines, parliamentarians and the general public. Further details - respectthescience.org.au/

AWARDED



Emeritus Professor Harry Messel AC CBE recently presented **The Messel Award for Excellence** to Professor Dick Hunstead for his service in to the School of Physics for over forty years in teaching and for running the highly successful Talented Student Program (Physics).

This Award recognises excellence in contributing to the School activities by any member of the School's academic, administration and technical staff. Congratulations Dick!

HONoured



Adjunct Associate Professor Lyn Oliver, who is based in the Royal North Shore Hospital, was recently recognised in the **Queen's Birthday Honours** with a Member of the Order of Australia (AM) for "service to medical

physics in the field of radiation oncology, and through executive roles with the Australasian College of Physical Scientists and Engineers in Medicine, and to professional associations". Lyn began his association with the College in 1975 when he was part of the steering committee to create the Australasian College of Physical Scientists in Medicine (ACPSEM), the professional organization for Medical Physicists. This was followed by his appointment as Inaugural Honorary Secretary, 1978-1982.

Lyn then became Vice-President, (2002-2003) then President (2004-2005) and then Head of Operations from 2006-2007. As Director of Medical Physics in the Radiation Oncology Department at RNSH, he played a significant role in assisting the establishment of the postgraduate coursework Master of Medical Physics program in the School of Physics from 2004. Congratulations Lyn!

FAREWELL

The School of Physics farewells **Dr Phil Dooley**, Manager Outreach Programs. During his time at the School Phil has been instrumental in the success of Kickstart (Physics) for HSC students and his drive and energy have helped to increase the number of schools participating in this valuable educational program

Phil's initiative created *Kickstart on the Road* which extended the Kickstart program to students in rural, regional and remote areas of NSW. (Some students 'of the air' hadn't even met their teachers until *Kickstart on the Road* brought them together.) As well, Phil is the President of the NSW Chapter of the Australian Science Communicators Association and has contributed to many public talks, School of Physics publications, appeared in the media promoting physics, assisted with the ISS and has been the force behind the School's Facebook page.

Phil leaves in August to live in the UK and to take up his new role working with The Joint European Torus (JET), which investigates the potential of fusion power as a safe, clean, and virtually limitless energy source for future generations.

The School congratulates Phil on his new undertaking and wishes him every success for the future.

