



PROVIDING PRESTIGIOUS SCHOLARSHIPS FOR HIGH-ACHIEVING SOUTH AUSTRALIANS

## PLAYFORD TRUST TAFE AWARDS

On 17 November 2011, members of the Playford Trust met with staff and students of TAFE SA and their families for the presentation of the 2011 Playford Trust TAFE Awards.

**The following students received awards to assist them in further studies:**

Karen Montgomery (Urrbrae Campus)

- **Certificate in Horticulture**

Matthew Wilson (Kadina Campus)

- **Agriculture**

Ekaterina Pyatina (Urrbrae Campus)

- **Diploma of Environmental Management**

Amy Baggs (Urrbrae Campus)

- **Certificate in Horticulture**

Henry Muradzikwa (Urrbrae Campus)

- **Diploma in Geoscience**

Julian Crawford (Urrbrae Campus)

- **Certificate in Horticulture**

Kumi Nakagawa (Urrbrae Campus)

- **Diploma in Environmental Management**

Psyche Bradley (Urrbrae Campus)

- **Certificate in Horticulture**



Back row L to R: Kumi Kakagawa, Amy Baggs, Hon David Wotton, Ekaterina Pyatina, Front row L to R: Julian Crawford, Psyche Bradley, Henry Muradzikwa, Karen Montgomery.



Supporters of the TAFE Awards L to R: Prof. Don Bursill AM, Hon Dean Brown AO, Stephen Conway (Managing Director, TafeSA Adelaide South), Elaine Bensted (Chief Executive, TafeSA), Hon David Wotton, Marlene Boundy (Educational Manager, TafeSA), David Royle (Managing Director, TafeSA Adelaide North), Denise Janek (Managing Director, TafeSA Regional).

### The Playford Years – Seventy Years Ago

Today when we often see planning as a substitute for implementation, the activity of the Playford years seems almost impossible.

Lloyd Menz a former Financial Director of Actil recounted how the South Australian Premier Thomas Playford "snatched" the Actil cotton industry from interstate in the war years, delivering on a promise to provide a special water filtration plant, build a factory and engage and train staff to commence the industry all within 8 weeks.

*The land was bought, the first workers engaged and work began on the factory on January 13 1942, ... I recall quite vividly the Eastern wall of the spinning factory going up one Sunday morning with 200 bricklayers working on it at once. South Australia met the eight week target with several days to spare.*

*The first cotton spun at Woodville (to be used for making bandages for the war effort) was presented to Playford at a small ceremony on 26 February 1942.*

**From Stewart Cockburn (1991) *Playford - Benevolent Despot*, Axiom Publishing, Kent Town SA.**

**Copies of Stewart Cockburn's book are available from the Playford Trust Administration Officer at the address on page 4.**

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The Playford Memorial Trust Inc.

# Chairman's Message



The Playford Trust has selected another group of talented and enthusiastic young South Australians to receive Playford Scholarships during 2012. These scholarships will assist the students to undertake undergraduate or postgraduate studies at a South Australian university.

The large number of scholarships offered could not be achieved without the continuing support of our generous individual donors and the partnership companies. Scantech Ltd., AusIMM, Beach Energy Ltd., Hillgrove Resources Ltd. and St. Ann's Residential College are paving the way for young scholars to further their education.

After many years as a member and Chairman of the Trust Board, The Hon. David Wotton has stepped down.

He played a pivotal role in expanding the number of scholarships and in developing the partnerships with companies. Thank you David, for your leadership and enthusiasm.

You can read about the new Trustees of the Playford Trust on page 4.

The Board at the last meeting decided that it needed to attract more donations to build our investment fund so that more scholarships can be awarded. At the same time companies will be approached, asking for their support to give more young people the opportunity to advance their study and so support the development of South Australia as Sir Thomas Playford did so effectively.

The Hon. Dean Brown AO

## Congratulations to the 2012 University Scholarship Winners!

Regional Science & Engineering Scholarships -		
Sally Gazzard	Tenison Woods College - Mt. Gambier	The University of Adelaide - Bachelor of Science (Advanced).
Salva Kasole	Tenison Woods College - Mt. Gambier	Flinders University - Biomedical Engineering
Elferaan Quatermass	Investigator College - Victor Harbor	The University of Adelaide - Bachelor of Science, majoring in Chemistry & Maths
Rhys O'Donoghue	Port Broughton Area School	The University of Adelaide Chemical Engineering
Honours Scholarships -		
Sean Clark	Flinders University	School of Chemical and Physical Sciences
Hannah Custance	Flinders University	School of the Environment
Holly Feltus	The University of Adelaide	School of Earth & Environmental Sciences
Christopher Hassam	Flinders University	School of Chemical and Physical Sciences
Ronnie Ling	The University of Adelaide	Australian School of Petroleum, Faculty of Engineering, Computer & Mathematical Sciences
Ronnie Mapfumo	University of South Australia	School of Advanced Manufacturing and Mechanical Engineering
Kerryn Obst	The University of Adelaide	School of Mechanical Engineering
Tiffany Reeves	Flinders University	School of Chemical and Physical Sciences
Morgan Schebella	University of South Australia	School of Natural and Built Environments
Brenton Schoemaker	The University of Adelaide	Australian School of Petroleum
Benjamin Turner	University of South Australia	School of Electrical and Information Engineering
Scantech/Playford Physics Scholarship -		
Sophie Hollitt	The University of Adelaide	School of Chemistry & Physics
Finn Stokes	The University of Adelaide	School of Chemistry & Physics
AusIMM/Playford Minerals Industry Scholarship -		
Matthew Fargher	The University of Adelaide	Bachelor of Science - Mineral GeoScience
Maddison Lawson-Wyatt	The University of Adelaide	Bachelor of Science - Mineral GeoScience
Playford PhD Scholarship -		
Peter Hardy	The University of Adelaide	School of Mechanical Engineering
Bonnie Henderson	The University of Adelaide	Geology & Geophysics, School of Earth & Environmental Sciences
Hillgrove Resources - Playford Trust Honours Scholarship in Geology -		
Nicholas Lyons	The University of Adelaide	Geology & Geophysics, School of Earth & Environmental Sciences
The Beach Energy/ Playford Trust Residential Scholarships -		
Alana Cuthbert (continuing)	The University of Adelaide	Bachelor of Mathematical Sciences
Miro Vujica (commencing)	Mt Gambier High School	The University of Adelaide - Bachelor of Engineering



Rhys Murphy



Sally Gazzard



Salva Kasole



Matthew Fargher



Maddison Lawson-Wyatt



Bonnie Henderson



Peter Hardy

# Reports from Students

## Past Winners

### Rhys Murphy PhD 2010

Molecular tweezers are artificial receptors designed to bind small molecules via non-covalent forces. Using synthetic organic chemistry, we have fabricated bis-porphyrin molecular tweezers with a single binding cavity via a modular approach in 11 steps.

We are working towards enhancing the selectivity of our molecular tweezers to enable discrimination between guest molecules which are chiral or similar in size and/or shape. Regulation of this under laboratory conditions is highly desirable, as these factors are crucial in the function of biological systems, such as enzyme-substrate binding.

### Bree Bennett PhD 2011

The focus of my research is to develop a new flood design approach that incorporates spatial and climatological influences.

Recently I have been investigating the effects of spatially varying rainfall and spatially varying catchment initial conditions on flow production. This investigation has been undertaken using a runoff-routing model, in which rainfall is applied to the catchment and then routed downstream. The flow produced depends on the amount of rainfall applied, the amount of rainfall lost to the catchment due to the initial catchment conditions and the flood routing relationship which attenuates the flow time series.

## 2012 Regional Science Scholars

### Sally Gazzard

My name is Sally Gazzard and I am from Mount Gambier. This year I am attending the University of Adelaide where I will be studying the Bachelor of Science (Advanced). My passion lies in Biology, and I have a great love for animals. I hope to see myself working to preserve endangered species and their habitat, or finding solutions to our current and future environmental problems.

### Salva Kasole

I am Salva Kasole and I recently moved to Mount Gambier, where I have made friends through soccer and volunteering at the migrant resource centre. My hope for the future is to study engineering, to specialise in biomedical and to help my community by returning the knowledge acquired through my profession. Being offered a place at Flinders University is a stepping stone for me to achieve my goals and I am so grateful for the scholarship for also making my dreams become reality.

## 2012 AusIMM Honours

### Matthew Fargher

Matthew has completed a BSc (Geology, Geophysics and Environmental Geoscience) and summer vacation positions with Dominion Gold and Newcrest Mining Limited. Currently, he is undergoing an Honours project classifying pyrite and potentially optimising gold recovery and exploration at Newcrest's Telfer gold mine in far north W.A. As current President of the AusIMM Adelaide Student Chapter Matthew aims to promote and facilitate opportunities in the mining industry.

### Maddison Lawson-Wyatt

I am currently undertaking a Bachelor of Science Honours degree in Geology at the University of Adelaide. My project work this year involves looking at high strain metamorphic rocks in the Central Australia region, and at how they relate to the building of the Australian continent that we know today. I am looking forward to spending time out in the field for my project work.

## 2012 PhD Scholarships

### Bonnie Henderson

I completed my honours in geology in November 2011 and am commencing a PhD in geology this year at the University of Adelaide. My PhD project will aim to investigate the relationship between supercontinent formation and mantle supercells, using Hf isotopic evolution of zircons in orogenic systems. I will be focusing specifically on the Appalachian and Caledonian orogenies in the Northern Hemisphere, and my field work will commence in May. I am extremely honoured to be offered a Playford Trust scholarship.

### Peter Hardy

Wave energy is a vast energy source that remains largely untapped despite advances in renewable energy technology. In order to rectify this situation a project team from The University of Adelaide will work in partnership with Oceanlinx, a world leader in wave energy technology, to achieve a breakthrough in the economic viability of wave power by producing an oscillating water column capable of operating with high efficiency over a range of wave conditions. Peter will play an integral part in this team with his PhD focusing on developing and testing non-linear control algorithms for a high speed, bi-directional air turbine for an oscillating water column.



## New Trustees of the Playford Memorial Trust

**Professor David Day** who is Deputy Vice Chancellor (Research) at Flinders University is a specialist in plant biochemistry and molecular biology. David has served on the Australian Research Council and on the Executive of the Plant Science CRC at ANU.

**Hon Robert Lawson RFD QC** practised law as a partner in a large Adelaide law firm. As a member of the Legislative Council, Robert held numerous Ministries in the Brown/Olsen governments including that of Attorney-General. Before entering Parliament, Robert served in the RAAF Specialist Reserve with the rank of Wing Commander.

**Mrs Helen Nankivell.** Helen Nankivell is a former Managing Director of Nexus Furniture. She has been a member of the South Australian Development Council and the WorkCover Board, and is a Board Member of the Fleurieu Art Prize and the Fleurieu Art Foundation.

## Opportunities for Partnerships

The Playford Trust is keen to build on the model of cooperative funding, and would be interested in discussing with any other organisations similar cooperative funding opportunities which result in benefits being gained by the Trust, corporate donors and our students.

**Advantages of a Playford Trust Partnership include involvement with this prestigious scholarship program which:**

- Has a long and distinguished track record;
- Enjoys bipartisan support from the South Australian Government;
- Allows all funds donated to be spent directly on scholarships;
- Funds TAFE, undergraduate, Honours and PhD students;
- Invests in our state by supporting the study of sciences in South Australia;
- Invests in the young people of South Australia, here in South Australia;
- Benefits from good working relationships with the South Australian University and TAFE sector;
- Publicises donor involvement through our newsletters, web site and regular student functions;
- Provides opportunities for jointly named scholarships;
- Allows for full or part funding of scholarships;
- Provides tax deductibility for all donations.

## Individuals

Individuals who wish to establish a scholarship or bequest, either in the short term or in perpetuity, can liaise with the Playford Trust knowing that the administration, assessment and communication with the students will be undertaken efficiently.

## Apology



Matthew Norris

Nathan Woods

We apologise that the photographs of two of our 2011 Honours Scholarship recipients were wrongly labelled – and here we reprint the photographs with the correct names.

Matthew Norris is in the chemistry laboratory taking a biometric approach to natural products of the Plakortis species, and Nathan Woods is working on prototypes for a single axis tracking system.

### Please contact

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- You have changed your address, or
- You no longer wish to receive this newsletter.

### Playford Trust News

Editorial Team: Susie Herzberg, Robyn Shilcock and Kate Delaporte.

Graphic Design by Stokes Creative

Letters from scholars or donors are welcomed. Please send to [admin@playfordtrust.com.au](mailto:admin@playfordtrust.com.au)

Photographs of TAFE awards: Alan Pepper.

