

Fulbright and Anne Wexler U.S. Scholars





WELCOME

J. William Fulbright was dedicated to peace and the scholarships that bear his name are a testament to his belief in the power of education in bringing about a better world. Fulbright believed that mutual understanding provides much greater security than weapons ever could.

With this in mind I am proud to welcome, and present, the 2012 Fulbright U.S. Scholars and the 2012 Anne Wexler U.S. Scholar on behalf of the Australian-American Fulbright Commission Board.

These sixteen outstanding individuals have been selected from a competitive field of applicants. Through their Scholarships they will - again in Fulbright's words - have the opportunity to "think unthinkable thoughts" as they undertake research in a range of fields including psychology, engineering, business management, science, economics, music, American history and political science. This year we are pleased to announce the first U.S. winner of the Fulbright Climate Change and Clean Energy Scholarship. The Scholarship was established by the Australian and U.S. Governments in 2010 at a meeting between the U.S. Secretary of State, Ms Hillary Clinton, and the Australian Prime Minister the Hon. Julia Gillard MP.

We are very pleased this year to welcome two Fulbright Flinders University Distinguished Chairs in American Political Science – Professors Malcolm Feeley and Burdett Loomis – sponsored by Flinders University. We would also like to thank, once again, the CSIRO and the ANU College of Business and Economics for each supporting a Fulbright Postgraduate Scholarship. We are very excited to welcome the winners of those scholarships, Mr Israel Del Toro and Mr Mark O'Connell.

The Fulbright Program is funded by the U.S. and Australian governments and a generous group of sponsors including CSIRO, ANSTO, Blackboard, the ANU College of Business and Economics, Flinders University, DSTO, the Origin Foundation, the Australian Scholarships Foundation, state governments and universities.

I thank all supporters for their contributions, which help us to build and extend this wonderful Program.

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Professor Steven Schwartz Chair, Australian-American Fulbright Commission Board



On behalf of the Australian-American Fulbright Commission, it is my great pleasure to warmly congratulate the 2012 Fulbright and Anne Wexler U.S. Scholars, and welcome them to our shores.

The Scholar booklet showcases the breadth of disciplines represented which is underpinned by the exceptional talent of each Scholar. As they set out to achieve their individual goals, there is no doubt they will explore unimaginable possibilities and build collaboration through the extensive professional networks which the Fulbright Program offers.

This Australian experience plays a pivotal role in promoting and advancing innovation by offering our American Scholars the opportunity to broaden their global vision, enhance their international academic competence, and develop professional networks and friendships. On their return to the U.S. it is expected that the translation of their Australian experience and knowledge will contribute to innovation and strengthen the nexus between Australia and the U.S. at various levels.

This experience takes place because of the generous funding from the Australian and American governments, funding by sponsorship bodies and engagement with leadingedge mentors. We greatly value their contribution and appreciate the support from all our partners.

I wish the 2012 American Fulbright and Anne Wexler Scholars every success in Australia.

Fangerire Holt

Dr Tangerine Holt Executive Director Australian-American Fulbright Commission



On behalf of the Australian Fulbright Alumni Association (AFAA), I would like to congratulate you - the 2012 Fulbright and Anne Wexler U.S. Scholars – on your success.

Being part of the Fulbright Program is an incredible experience. The Fulbright Program is unique in many ways, including the reciprocal nature of scholar exchanges, the broad range of professional fields that are covered, and the different scholarship levels, from postgraduate to senior specialist awards, that are available.

There is no doubt that many Scholars have found their Fulbright experience to be truly life changing, and I sincerely hope your experience will be one that makes you want to remain a part of the Fulbright Program long after your Scholarship has ended.

The AFAA supports the Fulbright vision by continuing to build and enhance the relationship between Australia and the United States. Our goal is to facilitate a range of professional networking activities in both countries, provide support to incoming and outgoing Scholars, and to provide new scholarship opportunities through endowments from members' donations. We create opportunities for you to stay engaged with the Program and to continue to interact with other Fulbrighters after you return from Australia.

We look forward to welcoming you into the Fulbright family and supporting your experience and professional networking through the AFAA.

Congratulations and best wishes.

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Mr John Swinson National President, Australian Fulbright Alumni Association

The Australian Fulbright Program

Born of the impact of World War II, the Fulbright Program was established in 1946 through the initiative of U.S. Senator J. William Fulbright and the support of the United States Government, initially funded through the sale of surplus war materials.

Since then about 300,000 talented people worldwide have been recognised as Fulbright Scholars. It is now one of the largest and most prestigious educational scholarship programs in the world and operates between the United States and more than 155 countries.

The Fulbright program was established in Australia in 1949 through a bi-national treaty. The initial sale of U.S. surplus war materials to Australia provided \$US5.8m, which funded the first 14 years of the program.

Following this, a new agreement was entered into in 1964 by the Australian and U.S. governments to establish the Australian-American Educational Foundation (later to be known as the Fulbright Commission), funded equally by the two parties. Today the Australian-American Fulbright Commission, headquartered in Canberra, continues to be funded by the Australian and U.S. governments along with a select group of sponsors, and annually provides up to 50 scholarships for study between Australia and the U.S.

The Prime Minister of Australia and the U.S. Ambassador are the Honorary Co-Chairs of the Commission. Since its establishment the Commission has awarded scholarships to more than 2,700 Australians and 2,000 Americans. A distinguished group of Alumni are thus an integral part of the Program's rich history and ongoing professional network.

Mission Statement

The mission of the Australian-American Fulbright Commission is to further mutual understanding between the peoples of Australia and the United States through educational and cultural exchange. This is primarily achieved through a program of Fulbright Scholarships to support research and study by Australians in the United States and by Americans in Australia.

SPONSORS AND PARTNERS

The Australian and United States governments provide the core funding for the Australian Fulbright Program. This funding is complemented by the support of a generous group of companies, organisations, universities, Australian and U.S. Embassies, individuals and government agencies.

UNIVERSITIES

The Distinguished Chair in American Political Science will be hosted by Flinders University in Adelaide until 2015. It allows a key U.S. researcher to undertake a 4-5 month program in Australia.

The Fulbright ANU College of Business and Economics Postgraduate Scholarship provides

the opportunity for American graduates in the field of business or economics to undertake 8-12 months postgraduate research with the College.

GOVERNMENT

The Fulbright Climate Change and Clean Energy Scholarship was established by the Prime Minister of Australia, the Hon. Julia Gillard and U.S. Secretary of State, Hillary Clinton, in November 2010 to increase bi-national collaboration addressing climate change.

The Department of Industry, Innovation, Science, Research and Tertiary Education (DIISRTE)

sponsors the Professional Scholarship in Vocational Education and Training and the Fulbright Indigenous Scholarship.

The Department of Foreign Affairs

and Trade (DFAT) established the Fulbright Professional Scholarship in Australia-United States Alliance Studies in 2001 to recognise the 50th anniversary of the ANZUS Treaty.

The Fulbright CSIRO Postgraduate

Scholarship enables American Scholars to undertake 8-12 months postgraduate research with Australia's major science research organisation, CSIRO, from 2009.

The Fulbright Scholarship in Nuclear Science and Technology,

Nuclear Science and Jechnology, sponsored by the Australian Nuclear Science and Technology Organisation (ANSTO), is for Australian Scholars to carry out research or study in the U.S. in the field of nuclear science or technology, from 2011.

FULBRIGHT STATE AND TERRITORY SCHOLARSHIPS

Fulbright State and Territory Scholarships have been established for New South Wales, the Northern Territory, Queensland, South Australia, Tasmania, Victoria and Western Australia.

These scholarships are supported by their state and territory governments, universities and companies. Their aim is to encourage and profile research relevant to that state, and assist the building of international research links between the jurisdiction and U.S. researchers and institutions.

FULBRIGHT ALUMNI SCHOLARSHIPS

The Australian Alumni (WG Walker) Scholarship was established in

Schotarship was established in 1993 through generous contributions from Australian Fulbright Alumni to annually support a scholarship for the highest ranked Australian Fulbright Postgraduate.

The U.S. Alumni Scholarship

was established in 2006 with contributions from U.S. Fulbright Alumni to annually support a scholarship for the highest ranked American Fulbright Postgraduate.

ADDITIONAL FULBRIGHT SCHOLARSHIPS

The Coral Sea Scholarship was established by the then U.S. Ambassador, Mel Sembler, and U.S. companies in 1992 in recognition of the 50th Anniversary of the Battle of the Coral Sea, to support a Fulbright Professional Scholarship focusing on a business/industry topic of relevance to Australia and the United States.

Fulbright Gregory Schwartz Enrichment Grants were

Enrichment Grants were established in 2006 by Claire and Steven Schwartz, in memory of their son Gregory Schwartz, to assist Australian Fulbright Postgraduate Scholars to enrich their experience in the U.S.

NEW FULBRIGHT SCHOLARSHIPS FOR 2013

The Fulbright Distinguished Chair in Advanced Science and

Technology was launched in 2011 through a partnership between the Defence Science and Technology Organisation(DSTO) and the Commission. It will bring an eminent U.S. scientist to Australia for up to five months to expand opportunities for engagement in a priority area for DSTO, from 2013.

The Fulbright Professional Scholarship in Non-Profit

Leadership was established 2011 through a partnership between the Origin Foundation, the Australian Scholarships Foundation (ASF), and the Commission. It will provide Australians working in the charitable Not-For Profit sector the opportunity to undertake research or professional development for three to four months in the U.S., from 2013.

SUPPORTERS

We also wish to thank the following for their ongoing support:

Australian and American universities for hosting the Scholars

Gilbert and Tobin, for their invaluable legal advice.

Our donors, individuals and companies, whose generous donations help more Australians and Americans to participate in a unique Fulbright experience.

2012 Fulbright and Anne Wexler U.S. Scholars

Flinders University Distinguished Chairs Professor Malcolm Feeley Professor Burdett Loomis

Fulbright Senior Scholars

Professor Christopher B. Barrett Professor Charles Meneveau Professor Mari Ostendorf Dr Christopher Roberts Professor Stephen Mark Tompkins

Fulbright Postgraduate Scholars

Ms Hannah Barrett Mr Emmet Cleary Mr Israel Del Toro Ms Sytske Hillenius Mr Steven Limpert Mr Mark O'Donnell Ms Cecilia Prator Ms Samantha Shockley

Anne Wexler U.S. Scholar Mr Jeremy Gahm

FULBRIGHT FLINDERS UNIVERSITY DISTINGUISHED CHAIRS IN AMERICAN POLITICAL SCIENCE



PROFESSOR MALCOLM FEELEY

BA, Political Science and English, Austin College Texas; MA, Political Science and Sociology of Law, University of Minnesota; PhD, Political Science, University of Minnesota. Host: Flinders University

Professor Malcolm Feeley, Professor in Law at the University of California will come to Australia for five months to undertake research into privatisation in the criminal justice system in Australia. His work will form part of a comparative study he is undertaking of the subject in the US, England and Australia. Malcolm has an eminent teaching career and has published widely. He has received many awards, which include being appointed as a Russell Sage Foundation Fellow; and the Silver Gavel Award, American Bar Association. He has had a term as President of the American Law and Society Association. He has also been awarded numerous fellowships and grants.



PROFESSOR BURDETT LOOMIS

MA, PhD, University of Wisconsin-Madison Host: Flinders University

Professor Burdett Loomis from the University of Kansas will spend five months in Adelaide researching lobbying and its impact in Australia, which will provide a basis for comparative work. He will first seek to understand the overall scope and nature of the Australian lobbying industry and will include how the national government and the individual states/territories seek to regulate lobbying. His second, related, research strand will address how lobbying affects agendas and policy outcomes. He has previously held high level administrative roles including being Director of Administrative Communication, Office of Kansas Governor Kathleen Sebelius; and he has also taught politics and published extensively. His interests include research on legislatures and interest groups. He has also lectured extensively on U.S. politics in more than 15 countries in Asia and South America.

SENIOR SCHOLARS

PROFESSOR CHRISTOPHER B. BARRETT

A.B. (History) Princeton University; M.Sc. (Development Economics) University of Oxford, dual PhD (Agricultural Economics, Economics with certificate in African Studies) University of Wisconsin-Madison Host: Monash University

Professor Christopher (Chris) B. Barrett, from the Charles H. Dyson School of Applied Economics and Management at Cornell University, will spend six months at Monash University in Melbourne undertaking research into the effects of global food markets on poverty and food insecurity in the world. Chris' research program aims to establish how poor households' dependence on food markets is evolving worldwide. He will also examine what policies or financial instruments might be appropriate to help cushion any adverse effects of observed changes. Chris is the Director of the Stimulating Agricultural and Rural Transformation (StART) Initiative, Cornell International Institute for Food, Agriculture and Development. He has also published extensively. His research interests include poverty, food insecurity, economic policy and the structural transformation of lowincome societies, issues of individual and market behaviour under risk and uncertainty, and the interrelationship between poverty, food security and environmental stress in developing regions.

PROFESSOR CHARLES MENEVEAU

BS (Mechanical Engineering), Universidad Técnica Federico Santa María, Valparaíso (Chile); MS, Yale University; MPhil, Yale University; PhD (Mechanical Engineering), Yale University Host: The University of Melbourne

Professor Charles Meneveau, a professor in mechanical engineering at Johns Hopkins University, will spend six months developing and testing new hybrid turbulence models, combining both random and coherent elements. The new models will enable more trustworthy computer predictions of, for example, turbulent flows in wind farms and pollen dispersion. In addition to his academic qualifications, he has been the recipient of the Julian D. Cole Award from the AIAA, the Stanley Corrsin Award from the American Physical Society (APS), is a Fellow of APS, the American Academy of Mechanics and the American Society of Mechanical Engineers, and was elected foreign corresponding member of the Chilean Academy of Sciences in 2005. He is the Deputy Editor of the Journal of Fluid Mechanics and the Editor-in-Chief of the Journal of Turbulence. In his spare time he enjoys music, film and travel.







PROFESSOR MARI OSTENDORF

BS, MS and PhD in Engineering, Stanford University Host: Macquarie University

Professor and Associate Dean of the Engineering Department at the University of Washington – Seattle, Professor Mari Ostendorf, will spend seven months at Macquarie University. She will build on an existing collaboration between herself and her host, Professor Mark Johnson, investigating ways to integrate prosody (pitch and timing modulation) in computer processing of spoken language for understanding and information extraction applications. Mari has won various awards and prizes including an IEEE Hewlett-Packard/Harriett B. Rigas Award, fellowships of IEEE and the International Speech Communication Association, and a University of Washington (UW) College of Engineering Faculty Research Innovator Award. She is currently serving as the IEEE Signal Processing Society Vice President of Publications. Her research interests include dynamic statistical models of speech and language, computational models of prosody at the interface of speech and language, and social aspects of language.



DR CHRISTOPHER ROBERTS

BM, Immaculate Heart College, Los Angeles; two MMs, a DMA, The Juilliard School Host: South Australian Museum, The University of Adelaide

Dr Christopher Roberts, composer and researcher in traditional music, will integrate two hundred songs he documented from the Wopkaimin people in the remote Star Mountains of Papua New Guinea into an exhibit and ongoing research project. He will work with an international group of scholars based at the South Australian Museum who are compiling a complete anthropological portrait of this region. Christopher has previously won a Fulbright- Hays grant to travel to Taiwan to study the classical *qin*. He has won many awards and prizes including a Continental Harmony Commission through the American Composer's Forum, a Pacific Cultural Foundation Grant, and a Roger Tory Peterson Institute Research Grant. His interests include Chinese classical music and jazz double bass, both of which will be featured in his lectures at the Elder Conservatorium of the University of Adelaide.

PROFESSOR S. MARK TOMPKINS

BS, (Microbiology) University of Illinois; PhD (Immunology), Emory University Host: CSIRO Australian Animal Health Laboratory (AAHL)

Professor S. Mark Tompkins, Associate Professor in the College of Veterinary Medicine's department of infectious diseases. The University of Georgia, will spend six months collaborating with investigators at the AAHL to identify drugs effective across virus types with the goal to develop a "penicillin for viruses". His project will focus on Hendra and Nipah viruses, which continue to spill over from wild animals, causing disease and death in humans and domestic animals. Tompkins has won various awards and prizes including a Gramm Travel Fellowship from the Robert H. Lurie Comprehensive Cancer Center of Northwestern University, Chicago; an ORISE Fellowship, Oak Ridge Institute for Science and Education, ORAU; and a National Institutes of Health Fellows Award for Research Excellence (FARE). His main research interests include understanding the immune response to respiratory virus infection and developing novel vaccines and treatments for use against emerging and re-emerging infectious diseases. Projects include novel detection methods for infection, identification of biomarkers for disease, RNA-mediated regulation of disease, and development of human therapeutic antibodies, among others. Outside of the lab, Tompkins enjoys many outdoor activities with his family, including gardening, cooking, fishing, and golf. He is also a new fan of the AFL.



POSTGRADUATE SCHOLARS



MS HANNAH BARRETT

BA (Psychology) University of Massachusetts Host: The Australian National University (ANU)

Ms Hannah Barrett, a recent graduate in psychology from the University of Massachusetts, Amherst, will undertake psychology research assessing how to overcome the stigmatising effects of hearing loss. Hannah plans to work with two researchers at ANU on a controlled study investigating the use of social support for reducing the incidence and effects of stigma and social isolation. While acquiring her BA in psychology, Hannah was Historian for the University of Massachusetts Psi Chi Chapter. She won an Honors Research Assistant Award from the University of Massachusetts, among other awards. She has also reviewed arts and entertainments events for her university newspaper and volunteered as a teacher's assistant in an advanced comedy course.



MR EMMET CLEARY

BS (Chemical Engineering) California Institute of Technology, Host: The University of Adelaide

Mr Emmet Cleary, a recent graduate in chemical engineering at California Institute of Technology, has won a Fulbright Scholarship to come to the University of Adelaide for eleven months. Through his Fulbright Scholarship Emmet will examine a clean way to generate energy and will apply it to solid fuels. Emmet's research will focus on a technique that burns fuels with lower emissions of pollutants, known as moderate or intense low-oxygen dilution (MILD) combustion. In addition to his BS, Emmet has won a number of undergraduate fellowships. He has represented the U.S. in Irish Dancing, and is also an accomplished pianist.

MR ISRAEL DEL TORO

2012 Fulbright CSIRO Postgraduate Scholar

BS (Biology and Environmental Science), University of Texas, El Paso Host: CSIRO Climate Adaptation Flagship

Mr Israel Del Toro, a PhD candidate at the University of Massachusetts, Amherst will explore the role of ants as environmental indicators with the CSIRO Climate Adaptation Flagship in the Northern Territory. Israel will study how assemblages of ants vary along environmental gradients in the seasonal tropics of Northern Australia, and how dominant and abundant species may respond to climate change. He has won prizes and awards including a National Science Foundation Graduate Research Fellowship, a NEAGEP Doctoral Student Fellowship, and a National Geographic Society Young Explorer's Grant. In his spare time he takes part in University Clubs and plays softball.



MS SYTSKE HILLENIUS

BA (Arts Management and Music), College of Charleston Host: The University of Melbourne

Ms Sytske Hillenius, will spend 18 months in Australia studying the musical and social history of folk dance and music in Tasmania. Conducted in collaboration with the Folk Dance community in Tasmania and the University of Melbourne, Sytske's research will focus on Celtic musical traditions and their influence on Tasmanian music as well as the multicultural influences on the traditions from the many immigrants to Tasmania. As part of her project, Sytske will develop a website for the community to share multimedia and a printed tune book. She has received several scholarships including a Presidential Scholarship from the College of Charleston, and a Global Links Scholarship from the Asia Pacific Foundation. She is a skilled violinist and she has volunteered in various capacities with local music groups – including marketing, website design, and volunteer coordination. She is a violin teacher as well as an active performer. In her spare time she enjoys hiking, dancing and playing music with friends.





MR STEVEN LIMPERT

Fulbright Alumni and Climate Change Scholar

BS (Electrical Engineering), Arizona State University Host: University of New South Wales

Mr Steven Limpert is a recent graduate in electrical engineering from Arizona State University. Through his Fulbright Scholarship, he will undertake work towards a PhD at the UNSW School of Photovoltaic and Renewable Energy Engineering where he will conduct research in the area of high efficiency, hot carrier, and nanostructured solar cells, verifying data he obtained from novel simulations of solar cells at the Arizona State University Solar Power Laboratory. In addition to his BS in electrical engineering from Arizona State University, Steven has been the recipient of several scholarships and awards including a Travel Study Grant from the Circumnavigators Club Foundation and a Dean's Fellowship from Arizona State University. He is also a part-time professional musician, and plays the trumpet.



MR MARK O'DONNELL

Fulbright ANU College of Business and Economics Scholar

BS (Finance) University of Illinois; MUP, McGill University (Canada); MBA, University of Chicago Host: ANU College of Business and Economics

Mr. Mark O'Donnell will spend a year at ANU undertaking research into private sector investment in infrastructure in Australia. Mark will study how effective Infrastructure Australia has been in attracting private sector investment in Australian infrastructure with a view to recommending the best practice methods for application in the United States. In addition to his MBA, Mark has a BS in Finance from the University of Illinois and a Master of Urban Planning from McGill University in Canada. He has won awards and prizes including the Bronze Tablet from the University of Illinois, the Ron Rice Memorial Scholarship from McGill University, and the Admissions Committee Award from the University of Chicago. He has worked for the last four years in the planning and budget departments of Metra, Chicago's commuter railroad, and prior to that he worked as an auditor for a commercial bank. He also volunteers as a tutor for and member of the Associates Board of Chicago Lights, a community outreach organisation. Further, he is a keen marathon runner and golfer.

MS CECILIA PRATOR

BA (Biology), Occidental College, Los Angeles Host: University of Queensland

Ms Cecilia Prator will spend a year at the The Institute of Molecular Biosciences at the University of Queensland. Through her Fulbright, Cecilia will explore the venom of understudied spiders, scorpions and centipedes, for compounds known as peptides, which could possibly be used to make environmentally friendly insecticides. In addition to her BA from Occidental College, Cecilia has won awards such as the Howard Hughes Medical Institute Research Fellowship as well as a prestigious Fletcher Jones Science Scholar Award. She is also a skilled musician – snare drums, has competed in equestrian events, and enjoys scuba diving.



MS SAMANTHA SHOCKLEY

BA/BS (Chemistry, Biochemistry and Biology), University of Chicago Host: ANU

Ms Samantha Shockley will spend a year in the Synthesis and Mechanism Group in the Research School of Chemistry at ANU, to undertake research in synthesising natural marine products. Samantha aims to contribute to the development of new, concise and laboratory-based syntheses of Australian marine products which could prove useful in the development of new drugs without the need to disrupt the natural environment. In addition to her BA/BS from the University of Chicago, Samantha has been a Barry M. Goldwater Scholar, a National AP Scholar and has been on the Dean's list at the University of Chicago. In her free time, she is active in university chemistry and women in science clubs and does ballet.







MR JEREMY GAHM

Anne Wexler U.S. Scholar

BS (Finance), University of South Carolina Host: To Be Advised

Mr. Jeremy Gahm, a recent Fulbright Scholar from the U.S. to Spain, will spend two years in Australia undertaking a master's degree focusing on international finance and economics. He will research capital markets and the financing of entrepreneurial ventures in both Australia and the United States. His research will explore possible ways for different stakeholders to improve capital markets and/or to increase the capital available to entrepreneurs. He has won numerous scholarships and awards, including two Rotary Ambassadorial Scholarships, a W. Don Welch Memorial Award, a Klaus Ernst Memorial Scholarship, and a Maria Reves Scholarship. He is a member of three honours societies. He has co-authored analyses of financial-crime vulnerabilities within the U.S. financial system. He speaks English, German, and Portuguese and is also proficient in Spanish. His interests include travelling, adventure sports, swimming, SCUBA diving, languages, and foreign affairs.

The Anne Wexler Scholarships were established in 2009 and are part of the Australian Government's Australia Awards Program. They are funded through the Department of Industry, Innovation, Science, Research and Tertiary Education and are administered by the Australian-American Fulbright Commission.





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Australian Government Department of Defence Science and Technology Organisation





STATE AND TERRITORY SCHOLARSHIPS

NEW SOUTH WALES







The Australian-American Fulbright Commission

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