

Living and working in countries with harsh winters was a very new experience, especially Canada. I found myself being an ambassador for my country and was always warmly welcomed into the various communities where we lived. Above all, it was a life changing experience and my wife and I fully immersed ourselves in travel, new friends, new experiences, and enriching our lives. **Brian Becconsall (1965)**

Around the late 90s, the Australian National Electricity Market was being developed and I was working on forecasting market outcomes under the developing market rules. Through this work I became interested in gaining a better understanding of how different market and regulatory structures affect decision making behaviour and market dynamics.

I was lucky enough to get the opportunity to spend time in Spain and the UK, which had completely different market frameworks. Spain was just introducing an electricity market and the UK had one of the world's most mature markets with a 10 year history. I was then even luckier to be in the UK during the period where the market structure was being fundamentally debated and eventually replaced.

In a profound way, this period has become a reference point in my professional life. Since then I have a broader toolkit and some great contacts. But the value of the experience goes far beyond my work objective. I consider it as one of the defining periods of my life. It significantly broadened my perspective both professionally and personally: particularly experiencing all aspects of living in other countries.

I encourage any young engineer to consider working overseas and the scholarship is a fantastic launch pad. **Frank Montiel (1998)**

"My proposed area of interest was to investigate future distribution networks with a particular focus on the integration of new technologies. The proposed work plan was designed to give me exposure to key stakeholders within the ESI in order to appreciate their different perspectives, issues and drivers. So far, this has allowed me to work for 3 different organisations including a Regulator, a Consultancy and a Manufacturer.

The ES Cornwall scholarship is not only a great opportunity to further your career but also to see the world. The niche experience gained will be an asset to you professionally but will also benefit prospective employers and the Australian ESI as a whole. Through my employment I have been lucky enough to work in Scotland,

Wales, UK, France and Sweden. Outside of work, I have travelled through Singapore, Germany, Iceland, Spain and Italy with a few more trips planned prior to my return.

I would encourage all eligible applicants to submit a proposal for this unique experience." **Aidan Roberts (2008)**

My ESC Scholarship project is program management of transmission investments (Electricity Alliance – East; based in Rugby, United Kingdom), and project management of renewable generation (Hydro One Inc; based in Toronto, Canada). I enjoy being part of the diverse solutions adopted and developed to address the specific issues encountered by each organization and country. My experiences overseas have help highlight the benefits and drawbacks of partnered delivery of transmission investments and integration of renewable generation.

Aside from the work based activities, I have been fortunate enough to experience a different way of life and benefited from involving myself the variety of cultures and people in Europe, Northern Africa & North America. I have many great memories from my time abroad, both professionally and personal – far too many to list.

The ESC Scholarship affords people with ingenuity, flexibility and personal drive the opportunity to focus their professional experiences abroad. **Nick Craig (2008)**

Applications should consist of:

1. Completed Application Form (down load from www.escornwall.com.au)
2. A statement detailing the work/study focus and how the Electricity Industry in Australia may benefit by the knowledge and experience thus gained by them; and
3. Work plan with potential placements and experience

Completed applications should be submitted to:

Mrs Gail Smith, Industry & Outreach Officer
Faculty of Engineering, Architecture & Information Technology
University of Queensland
St Lucia Qld 4072
Telephone: (07) 3365 3853
Email: g.smith@eait.uq.edu.au

Applications close 31 March 2013

E.S. Cornwall Memorial Scholarship 2013



Edward Satchwell Cornwall
1887-1954



THE UNIVERSITY OF QUEENSLAND

THE SCHOLARSHIP

Edward Satchwell Cornwall joined the City Electric Light Company in 1913 and by 1937 had risen to be its Manager and Chief Engineer. In 1949 he became Managing Director of the company and he continued in this position after the restructuring of the company as the Southern Electricity Authority in 1953.

Throughout his career as a senior executive of the electricity supply industry, he remained a very strong advocate of university training for professional engineers, and many young graduates owed him a deep debt of gratitude for his interest and guidance in their training and subsequent professional development.

Following his death in 1954, the E.S. Cornwall Memorial Scholarship was established by public subscription and with a contribution from the then Southern Electricity Authority of Queensland. The indenture which established the scholarship in 1955 describes the purpose of the award as follows: "As a memorial to the late E.S. Cornwall a scholarship will be established within the University of Queensland in a manner hereinafter provided with the principal object of providing scholarships, bursaries or grants to enable graduates in engineering of the University of Queensland to go abroad to obtain further experience in or to undertake research in aspects of the Electricity Supply Industry".

The scholarship is open to engineering graduates from all Queensland Universities.

The same indenture also set up an Advisory Committee to advise the University in awarding and administering the scholarship.

The Advisory Committee has always taken the view that the E.S. Cornwall Scholarship is a highly prestigious award and has concentrated on selecting engineers whose applications demonstrate initiative and thorough planning in addition to technical ability. The electricity supply industry of Queensland is able to take considerable pride in the achievements and subsequent careers of its E.S. Cornwall Scholars.

Limited E.S. Cornwall Scholarships are available however E.S. Cornwall Industry Scholarships may also available to suitable candidates, subject to agreement being reached between University and relevant industry employer.

RULES

1. The object of the scholarship is to enable engineering graduates of Queensland universities to obtain special experience abroad in aspects of the electricity supply industry so the industry in Australia may benefit by the knowledge and experience thus gained by them.
2. The scholarship shall be tenable for a period of not less than 9 months and not more than 18 months, in accordance with program approved by the Advisory Committee, and an award shall be made every 3 years. The value of the award shall be AU\$3000 per month.
3. The scholarship shall be awarded by the Senate on the recommendation of an Advisory Committee consisting of representatives of the following sectors of Queensland's electricity supply industry and The University of Queensland:
 - Electricity transmission;
 - Electricity distribution;
 - Generation or consulting engineering;
 - The Faculty of Engineering, Physical Sciences & Architecture;
 - Power Engineering Alliance or Australian Power Institute.
4. E.S. Cornwall Industry Scholarships shall be on similar terms and the value of the award shall be a minimum of AU\$2000 per month depending on the final agreed work program.
5. A candidate for the scholarship shall be an engineering graduate from a Queensland University. In the making of an award, consideration will be given to the work of the candidate during the university course, a general capacity for benefiting by overseas experience, and the nature of the proposed program of work. Preference will be given to candidates with 3 to 5 years experience.

6. The scholar shall pursue outside Australia, a program of work approved by the Advisory Committee, and the Advisory Committee will, if the scholar so desires, assist him/her in preparing his/her program. The work should ordinarily consist of either:
 - i. employment by a manufacturing, research organisation, an electricity supply authority, or by 2 or more of such bodies in succession, the employment being for the most part in a responsible capacity in a field approved by the committee; or
 - ii. study for a higher degree.

With the approval of the Advisory Committee, which may be obtained at any stage, the scholar may carry out minor investigations abroad on behalf of a specific organisation in the Australian electricity supply industry. Other financial support is allowable and details must be furnished to the Advisory Committee.

7. The scholar shall submit quarterly reports to the Advisory Committee giving a general account of the work performed during the previous quarter and impressions gained thereby.

Not more than 3 months after the scholarship terminates the scholar shall submit to the Advisory Committee a full report, suitable for circulation within the electricity supply industry, on the work performed during the tenure of the scholarship.

8. The scholar shall, in any published paper or report dealing directly with work performed as such scholar, state that the work was so performed as a holder of the E.S. Cornwall Memorial Scholarship, The University of Queensland.
9. After the termination of the scholarship the scholar shall deliver at The University of Queensland any lectures as may be required by the University within the field of enquiries as a scholar, payment for such lectures to be made at the standard rate for specialist lectures.
10. An application for an award of the scholarship shall be lodged with the Registrar of The University of Queensland on or before 30 September of the year before the award is to be made. The applicant shall indicate their objectives and program of work, organisations to target, areas of work, what they would learn and benefit/relevance to Australian industry. Applicants are not expected to have arranged conditional offers of employment.
11. Reports and applications by the scholar to the Advisory Committee, and other communications arising out of the scholarship, shall in the first instance be sent to the Registrar.

FORMER E.S. CORNWALL MEMORIAL SCHOLARS

Below are former E.S. Cornwall Scholars, listed in order of their tenure of the scholarship. All have indicated a willingness to advise and assist potential applicants.

COLIN MORWOOD (1957)
FRANK SCHRODER (1959)
WAREN WAGER (1962)
GRAHAM FRANCIS (1965)
BRIAN BECCONSALL (1965)
MICHAEL SARGENT (1969)
JOHN LEGGO (1972)
SIMON BARTLETT (1976)
KERRY CONNELL (1978)
GARY PRICE (1983)
ADAM ASPINALL (1986)
ROBERT WEIR (1990)
DAVID BONES (1992)
PAUL MCARDLE (1995)
FRANK MONTIEL (1998)
DANIEL ANDERSEN (2005)
NICHOLAS CRAIG (2008)
REENA KWONG (2008)
JONATHAN DENNIS (2008)
AIDAN ROBERTS (2008)
SARAH HILEY (2011)
JARED MCKEE (2011)
DON MCPHAIL (2011)
ALEXANDRA PRICE (2012)

STATEMENTS FROM PAST SCHOLARS

I selected 2 countries (USA and Canada) because they had advanced EHV networks with large distances, good reputations for completing major projects efficiently, and their world renowned design. Project management using critical path techniques were also of interest, as well as maintenance aspects of large systems, especially Live Line techniques.

I obtained professional work of 12 months in Ontario Hydro in Toronto, Canada, and 6 months each in 2 companies in the USA, Power Line Erectors - Ebasco, in Mississippi; and American Electric Power, in New York. This gave me balanced experience in both the public and privately owned networks, enabling me to bring back to Qld actual work practices in EHV line design, line construction, and line and substation maintenance using bare hand techniques, later adopted on the new 275kV network.