



RACI Electrochemistry Division

Newsletter

No.8

November 2000

Editorial

Welcome to the 8th issue of the EDRACI newsletter. The big upcoming event for the Division is of course 11AEC in Sydney. The Electrochemistry Experiments book is due for release at the conference. The Division is also participating in Interact 2002, and preliminary details for this are also below. Plus there is a workshop on Functional Polymers, a post-doctoral position, news of PAR, the opportunity to join the Division Committee, the Division's Annual Report, and more! Read on...

11AEC

The 11th Australasian Electrochemistry Conference, or 11AEC, is scheduled to be held at the Carlton Hotel (formerly the Gazebo) at 350 Church Street, Parramatta, from December 10-14, 2000. The AEC's are the major conferences of the Division and are held approximately every 4 years, so this is your chance to be part of a major get-together with other electrochemists from Australia, New Zealand and many other parts of the world. Arrangements for the conference are in hand, due to the efforts of the Organising Committee led by Sam Adeloju. Many members of the Division have already registered; if you haven't, you can access further information at the conference website:

www.nepean.uws.edu.au/cerat/11aec/

There is a full and stimulating scientific program over the 4 days of the conference. Some of the invited international speakers are:

Professor Philip Bartlett (Southampton, U.K.)
Professor Chuansin Cha (Wuhan, China)
Professor Michael Graetzel (Lausanne, Switzerland)
Professor Daniel Jagner (Goteborg, Sweden)
Professor Naotoshi Nakashima (Nagasaki, Japan)
Professor Erno Pretsch (Zurich, Switzerland)
Professor Frank Walsh (Portsmouth, U.K.)

The draft program is attached to the email message that brought this newsletter; please note that the program is indicative only at this stage and details are subject to change.

The Breyer medal will be awarded to Prof. Frank Walsh, and the Stokes Medal to Prof. Stephen Fletcher. The Bloom-Gutmann prize will be awarded to the best poster presented by a postgraduate student.

For all conference information, contact Prof. Sam Adeloju at S.Adeloju@uws.edu.au

Take up the Challenge!!...Elections to the Electrochemistry Division Committee

During 11AEC (at 6 p.m. on Wednesday December 13), an AGM of the Electrochemistry Division of the RACI will be held and new office bearers elected.

There is no doubt that as the RACI continues to evolve and reorganise, the Division will face some interesting challenges in its own evolution over the next couple of years. This presents an exciting opportunity for Australian electrochemists (young and old) to get involved in determining the future for this Association.

As well as our national position, there is still much to be done in expanding our electrochemical links overseas. The present committee has taken some steps in this regard but there is room for the establishment of more formal links with other Electrochemical Societies throughout the world.

I urge you to seriously consider taking an active role in these developments. Your committee needs vibrant, enthusiastic individuals to carry these tasks forward.

Gordon Wallace, Division Chair

The current committee is:

Chair	Phone	Fax	Email
Prof. Gordon Wallace	(02) 4221 3127	(02) 4221 3114	g.wallace@uow.edu.au
Secretary			
Dr. Bruce Verity	(08) 8302 3153	(08) 8302 3668	bruce.verity@unisa.edu.au
Treasurer			
Dr. Richard John	(07) 5594 8260	(07) 5594 8679	R.John@mailbox.gu.edu.au
Past Chair			
A.Prof. Sam Adeloju	(02) 4736 0811	(02) 4736 0457	s.adeloju@uws.edu.au
Committee			
Dr. Stuart Bailey	(08) 9266 7808	(08) 9266 2300	s.bailey@curtin.edu.au
Dr. David Davey	(08) 8302 3265	(08) 8302 3668	david.davey@unisa.edu.au
Dr. Carol Bowie	(07) 3875 6823	(07) 5430 1231	C.Bowie@mailbox.gu.edu.au
Dr. Tony Hollenkamp	(03) 9647 0211	(03) 9646 3223	Tony.Hollenkamp@det.csiro.au
Dr. Will Price	(02) 4221 3529	(02) 4221 4287	w.price@uow.edu.au
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NZIC Contact			
Dr. Alison Downard	+64 3 364 2501	+64 3 364 2110	a.downard@chem.canterbury.ac.nz

The elections at the AGM will seek to fill the positions of Chair, Secretary and Treasurer, as well as elect a number of committee-members to represent each state. The current Committee is eager to seek the election of some student representatives also. It is likely that Division Committee meetings will be held mostly by phone conference so will require minimum time commitment from the committee-members. It would be good for the Division to have some new faces on the Committee, so if you are interested, or you can think of someone who you think would be suited to the role, fill out the form below and bring it to the AGM at 11AEC. If you won't be at 11AEC, please mail the form to Bruce Verity at the address at the bottom of the newsletter by December 6.

NOMINATION FORM COMMITTEE OF THE ELECTROCHEMISTRY DIVISION, RACI

I,, hereby nominate

.....(name)

for the position of (circle one):

Chair	Secretary	Treasurer	Committee-Member
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on the Committee of the Electrochemistry Division of the RACI.

Signatures: Date: (nominator)

..... Date: (seconder)

I accept this nomination:

..... Date: (nominee)

Electrochemistry Experiments Project

The project to collate a set of electrochemistry experiments used in universities in Australia and New Zealand has been progressing slowly but steadily on very limited resources! The book would not be in existence except for the willingness of many electrochemists to contribute to it. It will provide an excellent resource for those involved in the teaching of electrochemistry. Over 40 experiments have been collated and the resulting book will be available for purchase at 11AEC. It will of course be available for purchase after 11AEC too; details of this will follow after the conference.

Interact 2002

The Analytical Chemistry Division's next Conference will be a joint one with various other Divisions of the RACI and other scientific organisations. The conference will be called Interact 2002. The Electrochemistry Division has agreed to play a major role in the conference, and Danny Wong from Macquarie University is the Division's contact person. The tentative dates for the conference are July 22-25, 2002, and the conference will be held at a university in Sydney, possibly UTS. Watch this space for more details.

Any suggestions for invited speakers or session themes should be sent to Danny ASAP at Danny.Wong@mq.edu.au

Electrochemistry Discussion List

The EDRACI electrochemistry discussion list (electrochem-L@unisa.edu.au) which has been hosted by the University of South Australia will become unavailable as of mid-December. It may be started again at a different address at some time in the future. If so, you will be notified via this newsletter.

Fifth Workshop on Multifunctional Polymers and Smart Polymer Systems - Technological Applications

The Intelligent Polymer Research Institute at the University of Wollongong are hosting his workshop from January 4-6, 2001.

Over the past decade, the multifunctional properties of polymer systems have been used to advantage in various areas of technology, including biomaterials for implants and drug release, sensors, new molecular separation devices and polymer actuators.

Researchers have developed methodologies that enable design of polymeric materials from the molecular level to perform certain functions. There have also been major advances in the assembly techniques and development of new methodologies to characterise such structures.

This workshop is a unique opportunity for scientists, engineers and industrialists interested in developments in this area, to meet and discuss the most recent advances with leaders in the field.

The focus of this workshop will be on new technologies based on multifunctional polymers. We intend to include presentations that address the use of multifunctional polymers in:

Electronic Noses and Other Polymer Sensors	Corrosion Protection
Light Emitting Polymers	Photovoltaic Polymers
Polymeric Muscles	Electronic Fabrics

The workshop program will provide ample time for discussion. The relaxed atmosphere of the Wollongong campus will ensure that you leave invigorated and enthusiastic about research in this important area. The workshop is suitable for scientist and engineers interested in the synthesis/fabrication, characterisation and/or application of breakthroughs in multifunctional polymers.

The Registration Fee is \$400 (AUD) which covers lunches, morning/afternoon teas, proceedings and the Symposium dinner. **Attendance will be restricted to 40 people.**

For more information please contact

Phil Smugreski

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Fax: (02)42213114

E-mail: phils@uow.edu.au

Postdoctoral Position – An Exciting Opportunity in Advanced Polymer Research

To enable work in the area of inherently conducting polymers for corrosion protection a research fellow position is currently available. The position will be a joint appointment with the successful candidate based at University of Wollongong (Australia) or North Dakota State University (USA) and spending some time in the other host Institute. The successful candidate will also work closely with our Australian sponsor BHP Pty Ltd.

Applicants should have successfully completed a PhD degree in Corrosion Science/Engineering or Materials Science/Engineering.

The appointment will be initially for 12 months, extendible.

Travel expenses and a salary appropriate to experience will be offered.

Applications should be received by November 30th. For more information please contact:

Professor G.G. Wallace,

Intelligent Polymer Research Institute, on (02) 4221 3127,

Fax: (02) 4221 3114,

email: gordon.wallace@uow.edu.au

or

Professor Dennis Tallman, Department of Chemistry, North

Dakota State University, on +1 701 231 8696,

Fax +1 701 231 8831,

email: dtallman@plains.nodak.edu

EG&G PAR and Perkin Elmer

We have received the following news regarding PAR electrochemistry equipment from Vince Stafrace of Prodigital:

Over the past five years EG&G has successfully transitioned from a company that relied on US government contracts to one that is exclusively focused on Global commercial technology markets, and in particular, scientific instruments.

EG&G Inc bought PerkinElmer Analytical Instruments and subsequently sold the remaining of the EG&G government contracting business including the name EG&G. Hence Princeton Applied Research has been grouped with recently acquired PerkinElmer Instruments group. Princeton Applied Research will continue as before as a supplier of electrochemical products and services. Other than detailed labeling changes, there are no direct effects on ANY PAR products. The planned product line expansions will continue unabated.

ProDigital Pty Limited, currently the representative for PAR in Australia and New Zealand will continue its representation as in the past years. For any further information please contact Vince Stafrace at:

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E-mail vinces@prodigital.com.au

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Annual Report of the Division

The following Annual Report on the Division has been submitted to the RACI:

The Electrochemistry Division has concentrated on two major events during this year. The first was a minisymposium held as part of the 11th National Convention in Canberra. The focus was on “Functional Polymers and Electrochemistry” and included talks from Professors Doug MacFarlane

and Maria Skyllas-Kazacos from Australia as well as Professor Dennis Tallman (NDSU, USA) and Professor Chung Yup Kim (KIST, Korea).

The second major event is the upcoming 11th Australasian Electrochemistry Conference to be hosted by the University of Western Sydney December 10th – 14th. The Conference will feature lectures from the Breyer Medallist Professor Frank Walsh and the Stokes Medallist Professor Stephen Fletcher. Several prominent international electrochemists (including Prof. Gratzel, Prof. Bartlett, Prof. Jagner, Prof. Nakashima and Prof. Pretsch) have also agreed to participate and present their work. Particularly pleasing is the level of participants from Asian countries since the Division Executive has been conscious of the need to improve our links with our Electrochemistry neighbours.

Participants from New Zealand, Japan, China and Singapore will feature actively in the conference program, with involvement in plenary lecture, oral and poster presentations. Beyond Asia, the conference has been successful in attracting participants from other parts of the world, such as Romania, Lithuania, Ukraine, Dublin, USA, UK, Turkey, Netherlands, Norway, Portugal and Italy.

Another highlight of the conference will be the launch of the book, "Electrochemistry Experiments in Australia and New Zealand". This book is a compilation of over 40 electrochemistry experiments used in universities in Australia and New Zealand; many electrochemists have willingly contributed to this book to make it a useful resource.

The Division website has been developed during the year with the assistance of Dr. Paul Duckworth. The site is linked to the RACI home page and provides up-to-date information on the activities of the Division, its committee members, and forthcoming meetings.

The Division has also kept members informed of developments and events through a newsletter produced by Dr. Verity on a regular basis.

Office Bearers Prof. Gordon G. Wallace, Chairman
 Dr. Bruce Verity, Secretary
 Dr. Richard John, Treasurer
 Prof. Sam Adeloju, Immediate Past Chairman

Next Issue...

Will be due in March 2001.

Deadline for material: February 28, 2000.

This seems a bit early but nevertheless...

HAPPY CHRISTMAS TO ALL!!

Disclaimer: The EDRACI Newsletter publishes edited commercial news that is submitted to the editor and is of value to electrochemists, in order to raise awareness of products; it does not promote or endorse any product

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