

## **RADIOCHEMISTRY GROUP NEWSLETTER**

**Issue – November 2008**

Dear **MEMBER**

This is the latest newsletter for members of the Radiochemistry Group. Please note that the majority of the information given in this newsletter can be found on our website at <http://www.rsc.org/Membership/Networking/InterestGroups/Radiochemistry>

Some of you will have been receiving a regular e-mail giving details when European Newsletters and other information are updated on our website. If you have not and are prepared to download your newsletter from the website, please let Dr Nick Evans (email: [n.d.m.evans@lboro.ac.uk](mailto:n.d.m.evans@lboro.ac.uk)) have your e-mail address. As usual, the RCG Newsletter and the Radiochemistry in Europe Newsletter, which is published four times per year, are available through the RCG webpage at [www.rsc.org/radiochemistry](http://www.rsc.org/radiochemistry)  
The annual Group Newsletter will continue to be sent by post to all members.

This issue contains a draft agenda for the AGM to be held on 21st January 2009 at 14.00 hours and a call for nominations for committee members for 2008/2009. Committee Members can now sit for two terms of three years.

### **AGM Wed. 21st January 2009 at 14:00 hr**

Draft Agenda

1. Apologies for absence
2. Minutes of the last meeting (21/11/07)
3. Matters arising
4. Committee Report (Printed in this newsletter)
5. Financial Statement (Printed in this newsletter)
6. Election of Officers and Committee for 2008/2009
7. Election of Honorary Auditors
8. Any other business

### **Current Officers**

Chairman	Dr D Wilkinson *
Vice-Chairman	Prof. F Livens
Honorary Secretary	Dr Nick Evans
Honorary Assistant Secretary	Dr K Leonard
Honorary Treasurer	Dr A Ware

### **Committee Members**

Dr Linda Ashton**	Prof. Phil Blower	Dr Terry Gingell**
Dr Marinda Keith-Roach	Dr Samantha King*	Dr Phil Warwick* **
Prof. Francis Livens	Dr K Morris*	Mr Rob Storrie* (co-opted)
Dr Paul Thompson	Dr John Thornback**	

\*Denotes retiring members \*\*Second term

### **NOMINATIONS for Committee Members and Officers**

Nominations for committee members and other officers are invited and should be made with the agreement of the candidate and supported by at least two other members of the Radiochemistry Group. Due to pressure of work Prof. Francis Livens is not taking up the Chair in the New Year. The Committee are nominating Dr Terry Gingell for the post. Post of Vice-Chair is therefore vacant.

Nominations are invited and should be addressed to the Honorary Secretary by December 11<sup>th</sup> 2008: Dr. Nick Evans, Environmental Radiochemistry, Department of Chemistry, Loughborough University, Loughborough Leicestershire LE11 3TU. e-mail: N.D.M.Evans@lboro.ac.uk

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### Radiochemistry Group VISION and MISSION STATEMENT.

**Vision:**

To promote, educate, practice and collaborate in the chemistry of radioisotopes.

**Mission Statement:**

The Radiochemistry Group (RG) supports all areas of chemistry involving the use of radioisotopes including:

- **Medical/Pharmaceutical** uses of isotopes in imaging and therapy
- Understanding the behaviour and transport of natural and anthropogenic radionuclides in the **environment** and application of radionuclides as tracers of natural phenomena.
- Understanding (studying) the coordination **chemistry** of the radioactive elements.
- The production, standardisation and use of radioactive **isotopes**.
- **Analytical** measurement and application of radioisotopes.
- **Regulating** handling and disposal of radioisotopes.
- **Waste management** and remediation of land contaminated by radioactivity
- The use of radionuclides in **nuclear energy** production.
- **Safeguards** in the non-proliferation of nuclear materials

Our working objectives are to:

- ◆ Encourage, assist and extend the knowledge and study of radiochemistry.
- ◆ Provide an opportunity for members of the Group to increase their knowledge and to enhance their professional capacity by, for example holding meetings
- ◆ Support networking, the exchange and dissemination of information.
- ◆ Assist in the public understanding of the social, educational and economic importance of radiochemistry.

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### FINANCE

The financial year-ends on 31<sup>st</sup> December thus only the year 2007 audited accounts are currently available and given below. The accounts for 2008 will be available at the AGM.

**Royal Society of Chemistry Group Account**

**Receipts and Payments 1 January 2007 - 31 December 2007**

**Group Name: Radiochemistry**

<u>Receipts</u>	<u>Key</u>		
Interest (Business A/C)	1	276.05	
Interest (Treasurers A/C)	1	0.00	
RSC Grant	3	1,365.00	
Scientific Mtg	4	2,340.00	
Maidstone Proceedings Royalties	5	0.00	
Transfer from Symposium A/C		0.00	
			3,981.05
<u>Payments</u>			
Scientific Mtg	6	906.86	
YR Meeting	6	0.00	
Student Grants	6	750.00	
Officers Travel	8	1,888.77	
Stationery	8	0.00	
Committee/Auditors Travel	8	214.50	
Committee Lunches at RSC	8	993.89	
Becquerel Medal Expenses	9	95.00	
Miscellaneous Expenses	9	0.00	
Newsletters	9	231.15	
Bill Newton Award	9	500.00	
Transfer to Symposium A/C		4,000.00	
			9,580.17

Surplus (Deficit) for the year 2007	10	-5,599.12
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**BALANCE SHEET**

Balance Treasurers A/C 01/01/07		24.27
Balance Business Money Manager 01/01/07		11,799.40
Surplus (Deficit) for 2007	10	-5,599.12
Balance at 31/12/2007		6,224.55

**Represented by Deposits**

Balance in Treasurers A/C		182.20
Balance in Business Money Manager		6,075.45
Balance at 31/12/2007		6,257.65

**Additional Funds**

Funds Deposited with RSC at 31/12/2007		65,292.32
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The Bill Newton Award was presented for the first time in 2007 and will be presented every odd year with the Becquerel Medal presented in the even years.

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**ANNUAL INTEREST GROUP REPORT FOR 2008**

This report appears on the appropriate Radiochemistry Group web page.

<b>INTEREST GROUP NAME</b>	Radiochemistry
<b>Chairman</b>	David Wilkinson
<b>Secretary</b>	Nick Evans
<b>Treasurer</b>	Tony Ware
<b>Submitted by</b>	Nick Evans
<b>Signed</b>	
<b>Date</b>	

**ACTIVITIES UNDERTAKEN IN 2007**

<b>Date</b>	<b>Activity (including dates and venues where appropriate)</b>	<b>Attendance Numbers</b>	<b>Comments</b>
22 <sup>nd</sup> Feb 2007	Radiochemistry in Homeland Security at AWE, Aldermaston	100	
25 <sup>th</sup> Sept 2007	Radionuclide Therapy: Chemistry and Applications, St Thomas Hospital, London	75	
21 <sup>st</sup> Nov 2007	Actinide Materials Chemistry, Manchester University + AGM + Bill Newton Award presentation	65	

## PLANNED ACTIVITIES FOR 2008 and beyond

<p><b>Annual General Meeting:</b> November 2008, Venue t.b.a. + Award of Becquerel medal</p> <p><b>Scientific meetings</b>          13th Feb 2008 Radioactive Waste Disposal (Birmingham)          16th Apr 2008 Young Researchers Competition (London)          May 2008 Joint with BNMS          Summer 2008 Tritium Radioanalytical Chemistry          Nov 2008 Radiochemistry at RSC Careers Fair          Spring 2009 Advances in PET Chemistry          Autumn 2010 ERA Symposium (Chester)</p>
<p><b>Committee meetings:</b> 23 January, 25 June and 15 October at Burlington House</p>
<p><b>Continuing Professional Development activities:</b>          Essays for schools  <a href="http://www.rsc.org/Membership/Networking/InterestGroups/Radiochemistry/Essays.asp">http://www.rsc.org/Membership/Networking/InterestGroups/Radiochemistry/Essays.asp</a></p>
<p><b>Collaborations with other international groupings?</b>          Working Party on Nuclear and Radiochemistry  <a href="http://www.euchems.org/Divisions/NRC/FutureEvents.asp">http://www.euchems.org/Divisions/NRC/FutureEvents.asp</a>          This is main focus for development in 2008, liaison meeting in Budapest planned</p>
<p><b>Other activities:</b>          Young Researchers' Fund  <a href="http://www.rsc.org/Membership/Networking/InterestGroups/Radiochemistry/YRF.asp">http://www.rsc.org/Membership/Networking/InterestGroups/Radiochemistry/YRF.asp</a></p>
<p><b>Are any activities planned in collaboration with other RSC Interest Groups or Networks?</b>  <a href="http://www.rsc.org/Membership/Networking/">http://www.rsc.org/Membership/Networking/</a>          Consultations under way with Water Chemistry Group and Chemistry and the Law Group</p>
<p><b>Would you like to receive advice with respect to opportunities for running any of the above activities jointly with other groups?</b>          No thanks</p>

## AWARDS ASSOCIATED WITH THE GROUP

<b>Name of Award</b>	Becquerel Medal
<b>Nature of the Award</b>	Awarded to a scientist who has, over a significant period of time, made an outstanding contribution in research and/or teaching in radiochemistry.
<b>Is there a meeting/presentation associated with this award?</b>	At the AGM in 'even' years
<b>How frequently is this awarded?</b>	Every 2 years
<b>Who received the award this year?</b>	N/A

<b>Name of Award</b>	Bill Newton Medal
<b>Nature of the Award</b>	Awarded to a mid-career scientist who has made an outstanding contribution in research and/or teaching in radiochemistry.
<b>Is there a meeting/presentation associated with this award?</b>	At the AGM in 'odd' years
<b>How frequently is this awarded?</b>	Every 2 years

<b>Who received the award this year?</b>	Dr Nick Bryan (University of Manchester)
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## **NEWSLETTER**

Please give details if appropriate:

<b>Name of Editor</b>	Dr A.R. Ware
<b>Frequency of Publication</b>	Annually
<b>Any further information:</b>	Available on group website; <a href="http://www.rsc.org/Membership/Networking/InterestGroups/Radiochemistry/Newsletters.asp">http://www.rsc.org/Membership/Networking/InterestGroups/Radiochemistry/Newsletters.asp</a>

## **STUDENT BURSARIES**

Besides hosting a Young Researchers Meeting each year at which two money prizes are awarded, the Group will also consider requests from student members of the group for bursaries to aid them to attend national and international meetings in topics related to the group's activities and interests. Requests should be made to the secretary (contact details see below.).

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## **RADIOCHEMICAL METHODS GROUP COMMITTEE**

(Details of each member and period of service)

Please note that personal information is included which is NOT on our website and should not be passed to a third party without permission.

### **Chair:**

Dr David Wilkinson  
Astra Zeneca R&D Charnwood  
Department of Medicinal Chemistry  
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Leics. LE11 5RH

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Nov 06 – Nov 08

### **Vice Chairman:**

Professor Francis Livens  
Department of Chemistry  
The University of Manchester  
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Nov 06 – Nov 08

### **Hon. Secretary:**

Dr. Nick Evans  
Environmental Radiochemistry  
Department of Chemistry  
Loughborough University  
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No fixed term

### **Hon. Assistant Secretary:**

Dr Kins Leonard  
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Lowestoft

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No fixed term

**Hon. Treasurer:**

Dr Tony Ware  
'Avoncastle'  
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No fixed term

**Committee Members:**

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Nov 03 – Nov 09

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Nov 03 – Nov 09

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June 06 – Nov 09

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June 06 – Nov 09

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(Co-opted) Oct 03 – Nov 09

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Nov 03 – Nov 09

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Nov 05 – Nov 09

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Mobile: 0773 989 8344

Nov03 – Nov 09

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## PAST MEETINGS

Details of past meetings are posted on our website that currently cover: -

**The Role of Radiochemistry in the Sentencing and Disposal of Radioactive Materials**, 7 April 2008, Birmingham.

**Radionuclide Therapy: Chemistry and Applications**, 26 September 2007, St Thomas' Hospital, London

**Radiochemistry in CBRN/Homeland Security**, 22 February 2007, AWE Aldermaston. Reports include pdf files of individual presentations.

Reports on the following will be posted:

**Tritium Users Group Meeting**, 23 October 2008, National Oceanography Centre, Southampton

**Production, Use and Disposal of Radioisotopes in Nuclear Medicine**, 11 November 2008, AstraZeneca, Loughborough.

### Becquerel Medal

During the meeting on the 11<sup>th</sup> November the Becquerel Medal was presented to Professor Syed Muhammad Qaim by Prof. Peter Warwick. Following the presentation Prof. Qaim delivered his acceptance lecture entitled "Role of Radiochemistry in Nuclear Data Research and the Cyclotron Production of Medical Radionuclides".

## FUTURE MEETINGS

**AGM 21 January 2009, 2 PM**, Burlington House London

**Joint Meeting with Water Chemistry Group**, February 2009. Venue and exact date to be confirmed.

**British Nuclear Medical Society Meeting**, 27 – 29 April 2009, Manchester

**Analytical Radiochemistry (joint with NW Region)**, 2 June 2009, Cumbria

**2010**

**Environmental Radiochemical Analysis (ERA11)**, 14 – 17 September 2010, Queen Hotel, Chester

### **Bill Newton Award/Lectureship**

In memory of Bill Newton a biennial award of £500 plus Medal and Certificate is made for a recent outstanding contribution to any aspect of radiochemistry.

Nominations relating to the research, teaching or advancement of radiochemistry are all eligible. The recipient will be required to give a lecture at a Radiochemistry Group sponsored meeting.

### **Recipients**

2007 Dr Nick Bryan (University of Manchester)

### **Rules**

1. The award of the Bill Newton award will normally be considered biennially by the Honours Committee, which will make a recommendation to the Radiochemistry Group of the Royal Society of Chemistry.
2. The merits of a particular candidate may be brought to the notice of the Honours Committee by means of a nomination sent to the Secretary of the RSC Radiochemistry Group. The nomination should be accompanied by a supporting statement on the candidate's career, a curriculum vitae and details of two referees. The nomination should include a clear indication of the significant contribution(s) made by the candidate to the advancement of radiochemistry.
3. The award shall be made on an over all assessment of the candidate's contribution, the impact of his/her work and his/her future promise in any field covered by the principles, teaching and practice of any aspect of radiochemistry as covered by the Radiochemistry Group's Mission statement

Nominations for the award to be made in 2009 are now called for. Send to secretary of Radiochemistry Group. Details can be found elsewhere in this newsletter.