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## Honorary Secretary Report:

*Paul Sidhu*

Many of you would have noticed by now that your annual subscription has increased to £60. As previously detailed this rise was necessary in order to make the Society's finances more robust. Hopefully this will not deter people from remaining members of the Society, and hopefully will ensure that we remain in a sound financial position for the future. All being well, with a number of factors adding up, the Society should be in a more robust financial position by the end of 2009. Even with the increase in membership fees, a steady stream of applicants has been received for membership, not only from all parts of Great Britain, but from all around the world. Recent applications from as far afield as Botswana, Brazil, Italy and Bangladesh have been approved for membership. A special welcome to these overseas members, and I hope membership will continue to be beneficial to all.

On to the Annual Scientific Meetings. The meeting in Harrogate 2007 was indeed a success both from the scientific point of view (thanks to Dr. Rhodri Evans) but also from an administrative point of view (thanks to all the staff in the BMUS Office). Despite the exhibition being curtailed in size, I am sure many delegates will agree that the space provided at Harrogate was very inviting, helped by the lovely sunny weather over the period of the conference. A number of companies exhibited, and particular support from Mindray and Zonare helped provide an attractive atmosphere. Many other stands were frequented by the delegates, making it an overall vibrant atmosphere. The food outlets on this occasion appeared to be successful, and it is likely a format that will be followed in future years.



More importantly costs were kept to a minimum, and overall the budget for the conference showed a surplus.

For this year, Liverpool 2008 is in its final stages of preparation. The new conference centre in Liverpool is almost ready, and will almost certainly be in full use by the time our meeting takes place in December. The facilities, as I understand, are outstanding and the site itself is ideally placed for transport links and hotel accommodation. AXrEM will be rejoining the Annual Scientific Meeting and the actual format of their participation will change in comparison to the previous years. As well as a smaller central exhibition demonstrating various products, a number of themed workshops will occur. Planning is still in progress for this, and hopefully nearer the time we will be able to detail the nature and content of these workshops. A scientific program organised by Dr. Lawrence Abernethy (Liverpool) looks exciting and comprehensive with content for all. One of the aims of the themed workshops is to attract people not normally associated with the British Medical Ultrasound Society, but are practitioners of ultrasound. Hopefully this will widen our appeal to practitioners involved in ultrasound, who do not necessarily see us as their umbrella society.

## Honorary Secretary report cont:

The Donald MacVicar Brown lecture this year is an important occasion, as 2008 represents the 50th anniversary of the publication of the original paper in the Lancet. A number of other societies involved in ultrasound have marked this anniversary, and we too will be undertaking to make the lecture a memorable event. If you haven't already done so, put the date in your diary, as this year the Annual Scientific Meeting promises to be outstanding.

Moving on to the Annual Scientific Meeting for 2009, developments have occurred which have proved to be more favourable to our Society. When I last wrote to you it appeared that we would have to abandon Euroson 2009, and also abandon Edinburgh as the venue. Following intense negotiations (led by Ann Taylor) we have secured a favourable deal with Edinburgh which would allow us to hold our Annual Scientific Meeting at the beginning of December (instead of the booked September) over a 3 day period, and also incorporate Euroson 2009. This avoids a clash with the WFUMB meeting in Sydney in 2009. This is met with approval from EFSUMB, and we are pressing ahead with the organization of the scientific program led by Dr. David Pilling. With respect to the years after Edinburgh 2009, no firm decision as to the venue of the Annual Scientific Meeting has been made, but certainly a review will be conducted following the meeting held in Liverpool.

The Society this year will be more active in organising study days and workshops. The Scientific and Education Committee (under the chairmanship of Dr. Jeff Bamber) has organised a number of study days for 2008, which include the ever popular DVT day, a contrast day and musculoskeletal days. Further information will be soon

forthcoming, and there will be a number of other study days planned. In addition a Subsection of the Scientific and Education Committee will be organising workshops. These workshops are breaking with the traditional study days offered by BMUS, and will be organised to actually provide basic ultrasound knowledge to practitioners who are finding that they need to start using ultrasound in their daily practice. To this effect groups being targeted include renal physicians, intensive care physicians and the urologists, as well as nurse practitioners using ultrasound for specific tasks. Again more information on these efforts will be available later on in the year.

Those of you who were at the Annual Scientific Meeting in Harrogate, and who attended the Annual General Meeting will know that a motion was tabled to alter the Constitution with regards to the representatives on Council. The proposal was to reduce the number of council seats that are fixed for particular groups within BMUS. The background was to allow for a more democratic process to occur within BMUS, and also to allow for more flexibility when voting for Council representatives. The motion did not reach the necessary two-thirds majority and was therefore not passed. At present therefore we continue with the current format of a 12 person Council, where 9 places are reserved for the subgroups of Sonographer, Physical Scientist and Medical Practitioner (3 each), leaving 3 'free' seats. Council will look further at the Constitution over the next year, and the likelihood is that there will be a number of Constitutional Amendments tabled at the Annual General Meeting in 2008 to try and tighten up the Constitution of the Society.

Our journal, Ultrasound, continues to attract informative articles, many of these are now unsolicited. The journal, under the directorship of the Editor, Ann-Marie Dixon, and her two

sub editors, continues to engage to acquire a MedLine citation; hopefully we will see this citation achieved in the next two to three years. As previously stated this will make an enormous difference to the perception of the journal, and increase unsolicited submission of articles.

### **Forthcoming BMUS Study days**

- **DVT day**  
Plymouth, May
- **2 day Renal**  
London, 2 June
- **Contrast day**  
London, 26 June
- **Basic MSK day**  
London, 27 June
- **Advanced MSK day**  
Norwich, 21 Nov

**Obstetrics, Gynae, Bowel, Therapy, Biomedical, Summer School to be announced shortly**

[www.bmus.org](http://www.bmus.org)

As members are probably aware, we still have a historical collection housed in Glasgow. Recently the President, Dr. Kevin Martin, working with Chris Haydon reviewed the contents of the collection. The feeling of Council is that the number of pieces in the collection may be reduced over time, in order to keep costs for storage to a minimum. There is still on-going discussion as to the correct method of disposal of some of these articles, and any suggestions would be welcome. Currently the most valuable items are on display in the Hunterian Museum in Glasgow. I will keep you up to date with regards to the status of the historical collection in due course.

**If you would like to contribute to the BMUS Newsletter, please contact the BMUS Office.**

## Liverpool BMUS 2008- 9<sup>th</sup> – 11<sup>th</sup> December



### Kings Dock, Arena and Convention Centre, Liverpool

Liverpool is a vibrant and creative city - it's an exciting time to be here. Chosen as the European Capital of Culture for 2008, the Liverpool of today is emerging as a major centre of culture, entertainment, sport and enterprise. The University of Liverpool is one of the UK's leading universities, and its Faculty of Medicine and School of Health Sciences are renowned for their teaching and research excellence, making it particularly appropriate for Liverpool to host BMUS 2008.

You may think you know Liverpool, even if you have never been here. But Liverpool is not just about the Beatles and football. Its culture, people and fashions never fail to surprise, amaze and inspire. There are more museums, theatres, galleries and listed buildings on Merseyside than in any other region outside London. Liverpool's night life is legendary; the crowds are lively and friendly, from small independent pubs to the more exclusive bars and restaurants at the Albert Dock, where you might find yourself mingling with local footballers and soap stars.

The venue for our meeting will be the brand new Arena and Convention Centre, the most recent addition to Liverpool's iconic waterfront. After our meeting, the BBC will move in to use the Arena as the venue for "Sports Personality of the Year".

BMUS 2008 will retain a strong scientific programme, but will have more emphasis on hands-on workshops and integrated training sessions, which will combine small group seminars with practical training. This format is designed to meet the needs of the wider community of ultrasound practitioners, as well as our core membership, and to consolidate our renewed relationship with the major ultrasound manufacturers and suppliers, who will be at BMUS 2008 in strength. We extend a particularly warm welcome to our supporters from the ultrasound industry who have given BMUS consistent support and commitment.

Join us in Liverpool for BMUS 2008. You may be surprised, amazed and inspired!

**Laurence Abernethy,**  
**Chairman, Scientific Organising Committee, BMUS 2008**





## Healthcare Scientist of the Year Awards

Report by **Dr Diane Crawford, Honorary Secretary of IPEM**

This year Professor Sir Bruce Keogh, NHS Medical Director and a former cardiac surgeon, and the Chief Scientific Officer (CSO), Professor Sue Hill, presented six awards to healthcare scientists, including two Fellows of IPEM.

These were the 4th Chief Scientific Officer's Awards and were a highlight of the CSO conference. They were started by Professor Hill because she wanted to highlight the many achievements of healthcare scientists, a workforce that often prefers to remain in the background.

**Health Scientist of the Year Award for Innovation** was awarded to Nicky Fleming, a Consultant Biomedical Scientist, for developing a primary care based service for patients on anti-coagulant therapies, like warfarin. The new service involves one five minute test followed by a dosing consultation when previously patients would need to have the test performed at a hospital out patient clinic, and wait for 3 days before the GP could revise their drug dosage. The judges were impressed by the inclusive partnership system brokered by Nicky, which works across healthcare divides, and the development of a service based on competency and not dependent on location or traditional workforce roles.

Frank Oliyide, a Biomedical Scientist, received the **Health Scientist of the Year Award for Workforce Modernisation**. This is in recognition of his great leadership skills in bringing to fruition the Blood Sciences Laboratory at King's College Hospital, the largest integrated lab in Britain and the first in Europe. Previously the service had been run from 6 individual labs for biochemistry, haematology, coagulation, immunology, viral serology and antibiotic assay – all in different locations each with their own specimen reception areas.

**Young Healthcare Scientist of the Year** was awarded to Rachael Birch, a Clinical Molecular Geneticist at Yorkhill Children's Hospital, Glasgow for being responsible for developing a British mutation searching facility for SMEI, a rare form of infant epilepsy from early validation of testing to being a fully funded NHS service. Early diagnosis and drug treatment before seizure frequency develops can prevent the associated symptoms of autism and learning difficulties.

Gail ter Haar, a medical physicist working at the Institute of Cancer Research was awarded **Healthcare Scientist of the Year for Research and Innovation** for her pioneering work in developing high intensity focused ultrasound – HIFU - from concept, using bench top lab studies, to clinical reality. This required understanding the biological and physical aspects, device engineering, the optimisation of treatment and systems for monitoring. She has inspired more than 20 PhD students, developed research collaborations with a wide range of specialists – measurement scientists, surgeons, industry, both in Britain and abroad and has an international research reputation, including Honorary Professorships in Oxford and China. She has also made key contributions to ultrasound safety and is Chairman of the BMUS Safety Committee and the Safety Committee of

the European Federation of Societies for Ultrasound in Medicine.

The high quality entries in the Research and Innovation category led to the CSO also awarding a **highly commended** certificate to Dr David Gow, a world leading medical engineer in the research and development of upper limb prosthetic technology. This commendation was primarily for ProDigits, independent powered digits, developed through the NHS spin off company TouchBionics which conducted prototype development and now manufactures a range of sizes to fit children or adults, allowing them to achieve powered grasp for the first time.



*Professor Peter Wells and Dr Gail ter Haar with the Chief Scientific Officer (centre) after receiving their awards*

**Healthcare Scientist of the Year** was awarded to Dr Christine McCartney, Director of the Health Protection Agency's Regional Microbiology Laboratories. It was awarded for the way in which she has delivered new services and improved new ones for the benefit of public health and her abilities in communicating so effectively with the public on complex scientific issues, such as C difficile, MRSA, Polonium 210.

Professor Peter Wells, First President and Honorary Fellow of IPEM and Second President of BMUS, was this year's recipient of the **Chief Scientific Officer's Lifetime Achievement Award**. This was in recognition of his pioneering work in medical ultrasound and leading an outstanding research team that pushed forward the scientific and engineering boundaries, including the development of the first diagnostic scanner with an articulated arm, construction of a sensitive ultrasonic radiation force balance, the first water immersion ultrasonic breast scanner, the first catheter mounted endosonographic probe. He was one of the first to develop a pulsed Doppler system, describe the directivities of Doppler transducers and discover the potential for Doppler ultrasound to detect malignant tumour angiogenesis. In 2003 he was appointed a Fellow of the Royal Society and he has been at the forefront of many professional bodies and learned societies. He has also been editor in chief of the world journal, *Ultrasound in Medicine and Biology*. Following his retirement as Chief Physicist at United Bristol Hospitals in 2001 his research into novel uses of ultrasound continues and he is currently Distinguished Research Professor in Cardiff University.

## How ultrasound savvy are you?

See if you can complete our Ultrasound Safety Crossword...



### Across

- 2 The TI for antenatal work, after the eighth week of gestation (4)  
 6 Be very careful when scanning this part of the body (4)  
 8 The – Book', published by BMUS & the British Institute of Radiology (5)  
 9 The index for bioeffects not caused by temperature rises (2)  
 10 Effect, caused by absorption of ultrasound in tissue (7)  
 11 When scanning with this type of transducer, check its surface temperature (3)  
 12 & 21 down Don't ever go any higher than this temperature rise! (4,7)  
 14 Using this principle, you'll keep the ultrasound exposure right down (5)  
 15 '– tissue', the TI for early pregnancy assessment, up to the eighth week (4)  
 17 See 12 down  
 20 Keep a close eye on TI when scanning with this mode (2)  
 22 Be very careful with 9 across when scanning this young person (7)  
 24 Don't use Doppler on this at all (6)  
 25 The TI for scanning the brain, if it's out of the womb! (7)  
 26 'The – indices', i.e. three TI's & 9 across (6)  
 27 Don't do a scan on one of these just to produce a keepsake (5)

### Down

- 1 To be avoided at all costs, little bubbles in tissue (10)  
 3 The most sensitive organ in the grown-up (3)  
 4&23 down Bubbles injected into the bloodstream, they make 1 down more likely (8,6)  
 5 When using 14 across, you minimise this (4)  
 7 In fact, you keep 5 down as – as you reasonably can! (5)  
 12 & 17 across Don't ever expose tissue to 12 across any longer than this! (4,7)  
 13 Make sure this is turned right down, if you can (6)  
 16 Keep a close eye on 9 across if you're scanning near this air-filled organ (4)  
 18 '– index', very roughly, the highest possible temperature rise (7)  
 19 In antenatal work, be careful when scanning this part of the back (5)  
 21 See 12 across  
 23 See 4 down

## CASE Open Forum

This forum will address the crucial issue of **Clinical Competency** – the what, why and how – in medical ultrasound programmes

Society & College of Radiographers, London  
 Thursday 8<sup>th</sup> May  
 £45.00

The workshop will be of interest to all practitioners who are associated with the mentorship of students in clinical practice and educationalists responsible for the development and delivery of ultrasound programmes

For further information, please contact Alice Hepworth on 020 7636 3714 or by email: - [alice@bmus.org](mailto:alice@bmus.org)

### REMINDER TO ALL MEMBERS

If you have not already paid your 2008 Subscriptions, please arrange to do so as soon as possible.

A reminder will be sent, but unless payment for has reached us by **May 1<sup>st</sup> 2008**, membership accounts will be suspended

# Euroson 2008

The XXth Congress Of European Federation Of Societies For Ultrasound In Medicine And Biology  
The XIth Romanian Conference Of Ultrasound In Medicine And Biology

31 May – 3 June 2008  
Timișoara, ROMANIA



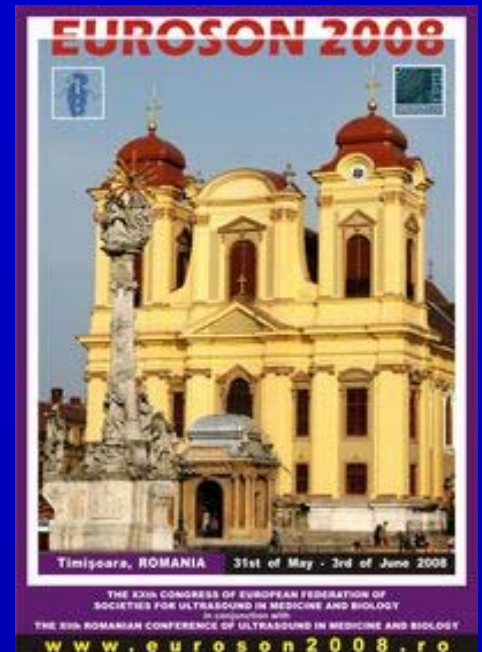
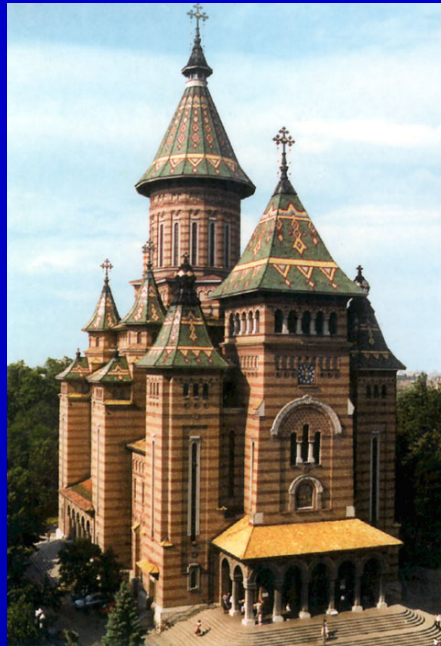
## EFSUMB HAS MOVED...

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**EFSUMB**



Click on this link for further  
EUROSON 2008 information.

[www.euroson2008.ro](http://www.euroson2008.ro)

## The Scope of Radiography Practice Survey 2008

A research team led by Dr Richard Price at The University of Hertfordshire is currently conducting a major new research project on behalf of the College of Radiographers. The aim is to explore fully the scope of radiographic practice in the UK, including radiographers performing ultrasound.

If you work for the private or primary care sector please complete an on-line survey now at <http://sdu-surveys.herts.ac.uk/scope>

If you are NHS based, your manager will be receiving a postal questionnaire very soon.  
We hope you will support this timely project.

For general information regarding the study, please contact [r.c.price@herts.ac.uk](mailto:r.c.price@herts.ac.uk)

Furthermore, if you feel you have a new, unusual or innovative role within ultrasound and wish to contribute to the study as an individual please email Hazel at [h.m.edwards@herts.ac.uk](mailto:h.m.edwards@herts.ac.uk) who would be delighted to hear from you!

Your anonymity will be protected.

(Study approval ref: HEPEC/01/08/19)



## BMUS 2007: HARROGATE

BMUS would again like to thank our 2007 ASM sponsors.

Particular thanks go out to **MIUS**, **Mindray**, **Bracco** and **Zonare** for their generous support.

We look forward to welcoming AXrEM (the Association of Healthcare Technology Providers for Imaging, Radiotherapy and Care) back to our annual event in Liverpool.



Don Bland of MIUS at the Harrogate Exhibition



Bill Dundon on the Zonare Stand



MINDRAY Hands-On

### T.V DOCUMENTARY- CAN YOU HELP?

We have been approached by a journalist carrying out research on a prime time documentary for ITV to be screened late spring.

This is a serious documentary about babies, exploring if and why they are getting bigger.

Their research suggests that contributing factors in babies' size are maternal obesity, diabetes and genetics. The researchers are currently working in conjunction with Professor Lucilla Poston; Head of Endocrinology at St Thomas and Guys, St Mary's Hospital in Manchester, Liverpool Women's Hospital, Kings Hospital in London and Royal Preston Hospital.

They are looking for expectant mums who are in their **last trimester of pregnancy (Due March)** and fit one of the below criteria:

1. Pregnant and expecting a baby of 10 lb or over
2. Pregnant and obese
3. Pregnant, diabetic and are concerned about the affect on their baby.
4. Pregnant and have developed gestational diabetes during their pregnancy
5. Pregnant with their second baby and their first one was large (preferably over 10 lb)

If you know or have scanned anybody who fits one of the above criteria please email

[rachel@bmus.org](mailto:rachel@bmus.org)

### BMUS website

You may already be aware that we are looking to upgrade and add to material onto the BMUS website. Your input is vital. What do you want to see included? How often do you access the site? Are you what is on it? Do you use the member's area often? Send any suggestions or comments to me via email at [janettekeit@hotmail.com](mailto:janettekeit@hotmail.com)



WFUMB 2009  
*Sydney*  
Australia

12<sup>th</sup> World Congress of  
the World Federation  
for Ultrasound in  
Medicine and Biology

August 30 –  
September 3,  
**2009**