

# The Society for Medical & Biological Engineering S.A. Incorporated



PO Box 19, Woodville, SA 5011  
<http://www.smbe.asn.au>  
ABN 78 256 253 854

## NEWSLETTER JUNE 2001

### President

Adrian Richards, NWAHS  
☎ 82226533, [adrian.richards@nwaahs.sa.gov.au](mailto:adrian.richards@nwaahs.sa.gov.au)

### Immediate Past President

John Robson, FMC  
☎ 82045261, [john.robson@fmc.sa.gov.au](mailto:john.robson@fmc.sa.gov.au)

### Vice President

Greg Smith, Helicon Technology  
☎ 82232000, [helicon@merlin.net.au](mailto:helicon@merlin.net.au)

### Secretary/Newsletter editor

Robin Woolford, RGH  
☎ 82751619, Fax 82772306  
[robin.woolford@rgh.sa.gov.au](mailto:robin.woolford@rgh.sa.gov.au)

### Treasurer

John Kirby, NWAHS  
☎ 82262309 [kirby.john@saugov.sa.gov.au](mailto:kirby.john@saugov.sa.gov.au)

### Councillors

Chris Jeffs IMVS  
☎ 82223283, [christopher.jeffs@imvs.sa.gov.au](mailto:christopher.jeffs@imvs.sa.gov.au)

Kevin O'Brien, Technical Consultant  
☎ 0418 820532, [kobrien@senet.com.au](mailto:kobrien@senet.com.au)

Tony Carlisle, FMC  
☎ 8204 4981, [tony.carlisle@fmc.sa.gov.au](mailto:tony.carlisle@fmc.sa.gov.au)

Daniel Fletcher, NWAHS  
☎ 82227330, [daniel.fletcher@nwaahs.sa.gov.au](mailto:daniel.fletcher@nwaahs.sa.gov.au)

Darren Kohlhausen, Drager Australia  
☎ 0412 111829, [darren.kohlhausen@draeger.com.au](mailto:darren.kohlhausen@draeger.com.au)

### Affiliations

*Australian Federation for Medical and Biological  
Engineering  
International Federation for Medical and Biological  
Engineering*

Institution of Engineers Australia

Australian College of Physical Sciences  
in Medicine



## Joint Meeting June 26, 2001

**Topic:** PET comes to South Australia

**Presenter:** Dr Barry Chatterton  
Director  
Department of Nuclear Medicine & Bone  
Densitometry, Royal Adelaide Hospital

### Abstract:

The first Positron Emission Tomography (PET) scanner in South Australia was recently installed at the Royal Adelaide Hospital. PET uses short-lived positron emitting radiopharmaceuticals and an imaging device to detect and assess perfusion and metabolic activity in the various organ systems. It is able to assess organ function and is complementary to anatomical imaging modalities such as CAT and MRI scanning.

This talk will outline the basic theory of PET imaging and give an overview of the clinical areas where it is making a large impact on the management of patients, particularly in those with cancer.

**Venue:** Nuclear Medicine Conference Room, Level 7, Theatre Block, Services Wing.

Enter at main entrance from North Tce. Take escalators to Level 5, then lifts to Level 7. Turn right into main corridor and follow signs to Conference Room.

Those who successfully follow these directions will be rewarded with a cup of tea and a stimulating presentation!

**Time:** Refreshments 5:30pm, meeting starts 6pm.

**Contact:** Chris Fox, Medical Physics Department,  
Royal Adelaide Hospital.  
Phone 8222 5541  
[Cfox@mail.rah.sa.gov.au](mailto:Cfox@mail.rah.sa.gov.au)

The second part of Drager Award winner James Higham article on Automated Perfusion Pumps is printed separately.

## **Memorandum of Understanding**

As previously advised a memorandum of understanding has been developed between the SMBE and the IEAust College of Biomedical Engineering. This is a significant document and seeks to forge a closer relationship between the two bodies. All state SMBEs will eventually be signing a MOU with the College. At our last scientific meeting the document was formally presented and signed by our President, Adrian Richards, and the Chairman of the College of Biomedical Engineers. The document is reproduced below along with a photo of the occasion.

### **MEMORANDUM OF UNDERSTANDING BETWEEN THE SOCIETY FOR MEDICAL AND BIOLOGICAL ENGINEERING (SA) INC AND THE COLLEGE OF BIOMEDICAL ENGINEERS, within THE INSTITUTION OF ENGINEERS AUSTRALIA**

The interests of individuals involved with the application of engineering and technology to medicine within Australia are served by a number of bodies including the College of Biomedical Engineers (CBME) within the Institution of Engineers, Australia (IEAust) and the state based Societies for Medical and Biological Engineering (SMBE's).

It is acknowledged that there is a strong need for all groups, including these, to work together and be seen to be working together in the best interests of both their members and the broader Biomedical Engineering and healthcare community.

There is at present a good working relationship between the two organisations.

The object of this understanding is to formally recognise and further develop the relationship between the SMBE (SA) Inc and the CBME and to in particular give attention to:

- Improved communication, understanding and co-operation by way of a position being made available on each of the state governing councils for a representative of the other body.
- Improved dissemination of information between the two organisations including the exchange of publications, reports, minutes and the like
- Further development of joint technical activities such as meetings, seminars and workshops
- Mutually beneficial involvement in the sponsoring of national conferences when they are held within South Australia including discussions at the earliest planning stage and appropriate recognition by each body of the role played by the other.
- Continuing investigation of closer working links between the two organisations for the mutual benefit of all members.

The council/board of each organisation recognise it's individual roles and responsibilities and respect the right of the other organisation to autonomy and independent action without prejudice under each of the above points. It is intended that this memorandum will be the subject of regular review by both parties to ensure that it continues to reflect the on-going liaison between the two organisations and captures the current intent of each.

This memorandum of understanding between the SMBE(SA) Inc and the CBME within IEAust confirms the basis for a continued and developing partnership in order to better serve the Biomedical Engineering community.

Signed for and on behalf of the organisations

.....  
President  
For the Society for Medical and Biological Engineering (SA) Inc  
.....

National Chairman  
For the Institution of Engineers, Australia, and

.....  
Chairman of the Board  
For the College of Biomedical Engineers

Dated ....../.../2000



### **Drager/SMBE(SA) Biomedical Engineering Encouragement Award**

Nominations are being sought for this very worthwhile award for 2001.

#### PHILOSOPHY

This annual award is to be made as a means of acknowledging and encouraging excellence amongst Biomedical Engineering practitioners.

#### PROCESS

The recipient shall be selected by the council of the SMBE (SA) and a representative of Drager Australia from amongst candidates who shall:

*Be nominated by a peer who deems them worthy of such recognition, and,*

*Author a short technical or topical article on a subject either nominated by themselves or chosen from a list provided by the council for publication in its newsletter.*

#### THE AWARD

The award shall comprise a funded visit to the annual SMBE (NSW) technicians seminar.

#### CONDITIONS

Open to all BME practitioners, from within SA and the NT, be they SMBE members or not. The recipient must be in a position to attend the seminar, in either their own or employers time. The award may be forfeited if this requirement cannot be fulfilled. The nomination by a peer must give a clear indication or evidence of the nominees abilities, skills, motivation or commitment that, in their mind, sets them apart and makes them deserving of particular recognition.

Individuals holding position on the council of the SMBE (SA) at the time of judging are ineligible for consideration.

All entrants are eligible for minor awards of complimentary SMBE (SA) membership for a one year period.

The SMBE (SA) council reserves the right to not make the award whether the submitted articles have been published or not.

#### **Advertising rates**

Full page ....\$100.00    ½ page ... .....\$50.00  
¼ page ....\$25.00    Business card . \$25.00

## CONFERENCE CALENDAR

"EPSM 2001" Fremantle, WA. Sept 30-Oct 4

Information on the above is available from the editor or president

**E. & O.E.**

**Nursing Admin.**

**Accident & Emergency**