



Network

Journal of Biomedical Illustration

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The Journal of Biomedical Illustration serves to provide the Australian Institute of Medical and Biological Illustration and the wider community of specialist photography, artistry and image making with a platform for the exchange of knowledge, ideas and information.

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Editor

Julie Murray
Medici Graphics
St Vincent's Hospital
Victoria St Darlinghurst NSW 2010
Tel (02) 8382 2168 Fax: (02) 8382 2560
E-mail: jmurray@stvincents.com.au

Cover Design: Marcus Cremonese

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3rd
world congress
of medical and
scientific imaging

25 - 29 August 2005

Cairns Australia



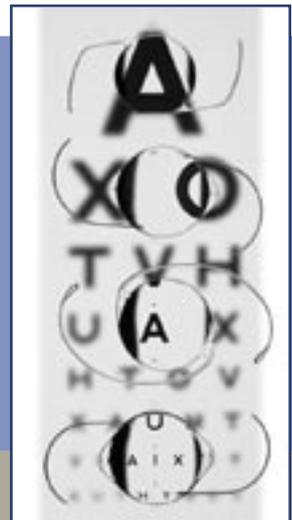
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Explore is the 3rd World Congress of Medical and Scientific Imaging

In keeping with our theme, *'Explore: Discover the Possibilities'*, the 2005 World Congress aims to inform delegates of the latest trends in medical and scientific imaging so that the potential of modern technologies can be fully realised.

Program at a Glance – 3 days of academic papers, a professional exhibition and a unique opportunity to take part in a Great Barrier Reef expedition.

www.discoverthepossibilities.com.au



THE 2004 AIPP AUSTRALIAN
BIOMEDICAL / SCIENTIFIC
PHOTOGRAPHER OF THE YEAR

Chris Barry

Runner up:
Palmerino De
Sensi



EPP 500

congratulations ...



Welcome to the Post "Imagine" 2004 AIMBI Biennial Conference edition of Network and the first for myself as National President. Please allow me to introduce myself for those who do not know me. I completed my ADA (Applied Photography) at Qld College of Art (Brisbane) in 1990 as a mature age student (previous life was as an automotive spare parts manager). Following my studies I performed Locums at Royal Brisbane Hospital, QIMR and The Wesley Hospital then in mid 1991 I was appointed as the Clinical Photographer at Greenslopes Repatriation Hospital (in 1995 it was privatised to Ramsay Healthcare and now called Greenslopes Private Hospital) and so my position has evolved to what it is now, Multimedia Coordinator. My membership of AIMBI has been since I started at Greenslopes in 1991 and I have served on the Qld branch Executive as National Council (NC) Rep for a number of terms as well as State President and Vice President.

I would like to pass on my gratitude and appreciation to Angela Chappell for her leadership during her pass term as President as well as the NC Reps who held positions in the outgoing executive and those taking on positions in the new council executive.

On behalf of NC I want to thank Qld Conference Organising Committee for their tremendous effort in hosting the "Imagine" Biennial conference at Bribie Island. I hope that delegates who attended were inspired and have been reporting back to their State Branches and work places some of the great presentations offered at the conference and the opportunities for networking. The calibre of the keynote and guest speakers were excellent, especially Prof. John Pearn who also presented an engaging after dinner talk at the President's Dinner about Medical Arts and Medals.

Special congratulations to Susanne Williams from Glenys Grant's Department at the Royal Victoria Eye and Ear Hospital in Melbourne who took out the prize for best conference academic paper titled "The World Through the Eyes of a Bee", this paper was inspirational in showing groundbreaking photographic research using first principles of photographic knowledge to describe and demonstrate the way that the compound eye of the bee works. It would be excellent if we could see more cutting edge research like this being pursued by our members, as this is the aspect that can enthuse and enliven the work we do.

It was pleasing to see the range and high standard of work in the Professional Exhibition and that the newly introduced Digital Showcase exhibition was well supported. Congratulations to the two members Jennifer Potts and Pamela Dawes who were awarded RBIs, as well as Pamela's being awarded the best RBI Folio, congratulations also to Paul De Sensi awarded his Associateship.

Now to the future, firstly I want to enthuse members in regard to the next World Congress "Explore" to be held in Cairns in 25- 29th August 2005 (please refer to the promotional information on opposite page). I encourage you all to do what you can to try and get to this meeting. This will be your once in a lifetime opportunity to attend a world meeting of this nature on home soil with up to 300 International delegates.

Secondly, NC is working to look at what we can do to motivate people to become or rejoin AIMBI as members, and to seek future direction as to what we need to be pursuing to return value to members. I would value feedback from the membership and ex-members as to aspects that they see would help us with this goal. One example I have suggested to NC is to investigate the feasibility of holding a national video conference linkup with each of the state branches. We would stage a short virtual mini seminar/conference where members who have not been to a national conference are given the opportunity to "virtually" meet members in other states. Demonstrating to members and potential members the value we place on our national association and how we can benefit from the networking that can be had from being AIMBI members through utilisation of new communication technologies that many medical professionals already use.

Peter Merry
AIMBI National President



PRESIDENT'S REPORT



Imagine 2004 AIMBI Biennial Conference

Ever been to a conference where the talks were excellent but the social side was none existent or visa versa? The recent Australian Institute of Biological Illustrations (AIMBI) 16th Biennial conference seamlessly joined both outstanding and relevant scientific presentations with a social programme enjoyed by everyone cementing new friendships and reviving old ones. Held at Bribie Island just north of Brisbane in Queensland Australia, over 40 AIMBI delegates gathered to discuss the latest in imaging technology relevant to scientific, medical and police imagers.

Day 1

Professor Robin Cooke gave the opening Keynote address, a clinical pathologist from the University of Queensland with an interest in medical illustration. After tracing the early methods of recording medical information, Professor Cooke showed many European examples of the lost art of wax modelling of various pathologies. The artist's careful attention to detail and anatomical precision would be difficult to match even using today's technology. The models were carefully created and painted three-dimensional replicas and can still be viewed in museums in both Venice and Florence today.

The opening discussion was presented by John Baird and examined some of the areas where informed consent may not be sufficient for patient photography and documentation. This recurring theme during the Conference looked at the explosion of personal digital cameras in the medical environment and programmes to control "unofficial" patient imagery. Secondly, the equally contentious issues of informed consent and how medical images can be used for purposes other than patient documentation (scientific journal publication and even departmental promotions) and created interesting and spirited discussions. Our next speakers from the Queensland Police Service, Ken Leitch and Deon Williams, outlined the preparation and use of interactive crime scene recording now used to present forensic evidence in court. This combination of traditional photographic techniques and computer technology has been shown to improve the manner in which complex evidence can be presented to a jury and help their understanding of diverse and complicated evidence.

The first evening's entertainment included the opening of the print exhibition including the announcements of the ten category winners ranging from computer graphics to ophthalmology. Two perpetual trophies are presented at each biennial competition: the Ilford trophy for best black and white image (see figure 1) and the Foto Riesel trophy for best digital image (see figure 2). Delegates had a chance to examine carefully the very high standard of print quality and composition applied to many scientific and medical categories. The copious amounts of food and alcohol on offer ensured that everyone enjoyed the occasion and set the social standard for the days to come.

Day two began with an unusual talk: Images of Bio-terrorism by an equally unusual invited speaker, Professor John Pearn. With a chair in paediatrics, previously a Surgeon General and currently a Major General in the Reserve Army, Professor Pearn has the background to knowledgeably describe the current terrorist situation along with supportive images and how these images are used as yet another weapon to gain propaganda from fanatical acts. A diverse and entertaining series of talks followed including: multimedia applications in Twin Laser Surgery and creating posters in PowerPoint (Neil Fainges and Albert Sim). Alex Baker gave an invited talk on intellectual property and its ramifications in our industry. Drew Berry, a scientist and animator, sponsored by AIMBI Victoria, closed the day. Drew stunned us with his three-dimensional animated videos of tumour cells replicating, DNA renditions at cellular level and DNA/RNA reproduction in stunning detail using the latest Hollywood animation techniques.

The evening included the traditional President's Dinner. Angela Chappell (current AIMBI President) handed over the reins of office to the incoming President Peter Merry. During dinner Professor Pearn gave a short talk on the history of medicine as displayed on medals.

Predictably, as the evening progressed, the delegate's energy levels and enjoyment increased helped by free flowing beverages and continued into the early hours.

Heads were almost clear for the beginning of day three. Chris Barry started with a talk on liasing with Australian Aboriginal groups for diabetic retinopathy screening pointing out some of the pitfalls and programme successes. Dr Richard Wingate gave an illuminating talk on the development of the ophthalmoscope, arguably the single most important discovery in ophthalmology. Although the development of the direct ophthalmoscope is usually attributed to von Helmholtz, Richard showed earlier developments by the Englishman Charles Babbage also noted as the father of the computer. Susanne Williams then gave an amazing talk on developing a visual model of bee vision. After many trials, Susanne eventually used large numbers of straws against a diffusing screen with dramatic results and we were transformed into the world of the compound eye through Susanne's photographs. Susanne was awarded "Best Scientific Paper" for her work and I am sure we will hear a lot more from Susanne in the future. The final morning's talk was Richard Wingate on the side effects of fluorescein angiography. Who present can forget Richard's slide interpreting nausea and vomiting, a visual memory best forgotten! The afternoon was spent at Steve Irwin's Australia Zoo, a fascinating insight into crocodiles and other Australian venomous spiders, snakes, dingoes and cuddly koalas.

Day four was our final day. Talks included the insertion of commentaries into PowerPoint and the illustration of madness (Neil Fainges and John Baird). Heather Mathews gave an interesting look at Photoshop including several "how to" demonstrations of the steps involved in making novel artistic effects. Finally, Julie Murray proudly announced that the next World Congress of Medical and Scientific Illustration will be held in Cairns, northern Queensland in August 2005. This will be a wonderful site for any Conference, close to both the Great Barrier Reef and the Daintree tropical rain forest and many other attractions yet equally accessible from both America and Europe. We look forward to hearing more about this exciting meeting and I am sure that many JAMM readers will be interested in finding out more about attending a Conference in such a superb location.

Unfortunately, this was the end of our Biennial meeting. Thanks must go to a small group of dedicated organisers, Vicki Adams, Peter Merry, Des Lund, Heather Mathews and Noeleen Warnes. All present were aware of their hard work, willingness to please, efficiency and commitment to making the conference both academic and fun. This ensured we all had a great time and left looking forward to our next meeting in two years time.

So why are some meetings so enjoyable, what is the recipe? Firstly, the venue was next to a golf course with free access to delegates. Secondly, the location was far from other distractions so that all present needed to socialise as a group. The organisers chose guest speakers with care and the academic programme was both stimulating and entertaining. The hard work and dedication of the organising committee. The sponsors who gave generously to the Conference, particularly Canon Australia. Finally, the largesse of a free bar throughout the meeting may have had something to do with the general bonhomie, enjoyment and overall success of the meeting!

Chris Barry
Lions Eye Institute
Centre for Ophthalmology and Visual Science
The University of Western Australia
Perth
Western Australia



Professional Exhibition - Winners List



General Illustrative - Art / Computer Graphic

Winner:	Bill Reid	Untitled
Runner Up:	Bill Reid	Brachial Plexus

General Illustrative Image - Photograph:

Winner:	Edward Jozefiak	Cardiac Research
Runner Up:	Angela Chappell	Archnid Capsular Fibrosis

Computer Graphic Image - Photograph / Manipulation

Winner:	Heather Matthews	You Are My Sweetie Pie
Runner Up:	Peter Merry	Operating Theatre Promotional Display Poster

Ophthalmic Photograph

Winner:	Chris Barry	Diabetic Retinopathy (Montage)
Runner Up:	Angela Chappell	Wild Horse (Corneal Oedema)

Scientific Image

Winner:	Michael Bolles	Frog Embryo
Runner Up:	Pamela Dawes	Candida Tropicalis

Poster Design

Winner:	Bill Reid	Role of the Oncology Nurse Co-ordinator
Runner Up:	Greer Sansom	Recipe for Promoting Women's Health

Video / Cine / Multimedia

Winner:	Rob Grant	Dreams
Runner Up:	Joanna Griggs	Best Start

Fine Art

Winner:	Robin Williams	Big Drift
Runner Up:	David Summerhayes	Wind Farm - Myponga Beach

Digital Showcase

Winner:	Albert Sim	Monastery
Runner-Up:	Albert Sim	

Web Design

Winner:	Adam Leadoux
Runner Up:	Heather Matthews

Ilford - Best Black & White Print

Winner:	Paul De Sensi	Household Pest
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Foto Riesel - Best Digital Photograph

Winner:	Chris Barry	Intraocular Lenses
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