THE 2008 SUGUNA ANNUAL CONFERENCE
THE CITY OF BROTHERLY LOVE HOSTS

This year’s Conference is being held in Philadelphia and is scheduled to open on the evening of Thursday, September 25th with a Reception and conclude with the Awards Banquet on the evening of Saturday, the 27th. As usual, on Friday and Saturday mornings, we will present talks from outstanding graduates of the University of Sydney on a diverse array of subjects. Afternoons provide time to socialize with fellow graduates and to absorb some of the unique history and culture of Philadelphia.

Those coming from distant parts of North America can register for all events at an inclusive price. Those living locally or who may be pressed for time, can select one or more of the five sessions which have been priced separately. (See the enclosed Registration Form.) The conference will take place at four different venues. The Thursday evening opening will be at the home of Drs. Richard and Rhonda Soricelli. The Friday lectures and the Friday evening reception, sponsored by the University, will be at the College of Physicians of Philadelphia, the oldest medical organization in the United States. The Saturday talks will be held at the Museum of Archaeology and Anthropology at the University of Pennsylvania. This is the foremost Museum of Anthropology in the United States and has strong ties with Australia. Finally, the Saturday evening Awards Banquet will take place on board Moshulu, a Clipper Ship that carried wheat from Australia to England in the first decade of the 20th Century and which is now moored at Penn’s Landing (where William Penn first landed to found the Commonwealth of Pennsylvania). We will be on the top deck with a wonderful view of the sun setting behind the city.

A number of activities in and around Philadelphia are available on Friday and Saturday afternoon for conference participants. Some are specifically planned by the SUGUNA conference committee, others can be selected from a list provided at registration. (Please see some details on your registration form.) For example:

The Moshulu, a Clipper Ship where this years Awards Banquet will be held.
Mutter Museum: Following the Friday morning talks at the College of Physicians of Philadelphia, the curator of the Mutter Museum will offer a guided tour at 1:30 p.m.

Penn Museum: Following the Saturday morning talks at the Museum of Archaeology and Anthropology of the University of Pennsylvania those who wish may tour the museum and view this year’s special exhibit which is: *Surviving: The Body of Evidence.*

This new, interactive exhibition explores the process of evolution and its profound impact on humans. Visitors can see and touch more than 100 casts of fossil bones from the primate and human evolutionary records in an exploration of physical anthropology and its relation to evolutionary science. This innovative exhibition with its multimedia and large-screen technologies is part of the international celebration leading up to next year’s 200th anniversary of the birth of Charles Darwin.

Barnes Foundation: Dr. Barnes, a Philadelphia physician, spent his life collecting French Impressionist paintings and amassed one of the world’s most extensive collections. It is housed in Dr. Barnes’ home in Merion, a Philadelphia suburb. We plan a tour for the Saturday afternoon. Entry is strictly by advanced reservation. The cost of the tour is $20.00 including transportation. The conference committee must make the reservation for the whole party by July 31. If you wish to join this tour, please E-mail pminter@comcast.net as soon as possible. Be sure to add the $20 per person to your check with your conference registration.

As we go to press the following speakers have confirmed that they will present talks at this Conference:

Michelle Gorman - First Class Honours and University Medal in Agricultural Science.

Michelle is North American Regional Manager for Meat & Livestock Australia. Her topic is *The Evolving World Politics of Food vs. Fuel - How it Affects Livestock-Meat Production and Trade,* with particular reference to Australia.

Matthew D. Hall – First Class Honours in Science with major work in bioinorganic chemistry. He also gained a PhD from the University of Sydney, focusing on the biological fate of platinum anti-cancer drugs. He is now with the Cell Biology Laboratory of the National Cancer Institute. Matt is the Secretary/Treasurer of the University of Sydney USA Foundation. His topic will be *The Serendipity of Drug Design.*

Vanda A. Lennon – MBBS followed by an internship at Montreal General Hospital and then a PhD from the Walter and Eliza Institute, University of Melbourne. Vanda is now Professor of Neurology and Immunology at the Mayo Clinic. Her topic will be *Entrenched Mythology Retards Progress 110 Years: Lessons from Multiple Sclerosis.*

Peter Magee – First Class Honours in Arts and PhD with major work in Archaeology. Peter is Assistant Professor, Near Eastern Archaeology, Bryn Mawr College. His topic will be *Shifting Sands and Paradigms: Fifteen years archaeological research in UAE.*

Joan McConnell – Bachelor of Science and also internship in the New South Wales Public Library. Retired and living in

*continued overleaf* …
THE 2008 SUGUNA ANNUAL CONFERENCE (continued)

British Columbia. Her topic will be Water-power? Coming Conflict in a World of Diminishing Resources.

Richard G. Pestell – University of Western Australia MBBS, University of Melbourne PhD and MD. Richard is now Director, Kimmel Cancer Center, Thomas Jefferson University Hospital. His topic will be Death to the cultural cringe – Australians on the Global Stage.

Margaret Somerville, AM, FRSC – University of Adelaide AuA (Pharm), First Class Honours degree in Law from the University of Sydney and DCL McGill University. Margaret is Founding Director, Center for Medicine, Ethics and Law at McGill and returns by popular demand following her presentation at the 2007 SUGUNA Conference. This year her topic will address Cutting Edge Issues in Bioethics.

Rob Williams – Bachelor of Veterinary Science. Rob is the Agricultural-Veterinary Counselor at the Australian Embassy, Washington, DC and will speak on Animal Health Trends and Australia’s Advantages in World Trade (plus reference to the Equine Flu Impact when it hit Australia in 2007).

James D. Wolfensohn, AO, KBE, President of the World Bank from 1995 to 2005, has been invited to be the keynote speaker at the Awards Banquet on September 27th and will join us if his schedule permits.

This conference promises to continue in the great tradition of the seventeen previous conferences. We are looking forward with keen anticipation to the exciting program, meeting old friends and making new ones.
COMBINE SUGUNA CONFERENCE WITH A VACATION TRIP
Graeme C. Goodsir

When coming to this captivating Conference in late September, how about planning some extra days to spend visiting some other nearby places – and having an extended vacation? This could also help your budget by reducing the average daily expense of the trip when spread over 7+ days, instead of just the 3 days of the conference. My wife Esme and I did this with four prior SUGUNA conferences – first in 1998 (Berkeley conference) by touring to national parks and other attractions in California; next in 1999 (Ann Arbor, Michigan) by driving up to Mackinaw Island and Upper Pennisular beach dunes; third in 2004 (Tampa, Florida) by first visiting friends near Daytona Beach (good surf) and driving up the north-east coast to St. Augustine and Jacksonville; and fourth (best one) last August, when we drove to Boston, Maine lakes and north through Vermont mountains into Quebec before attending a wonderful SUGUNA Conference at Queen’s University in Kingston, Ontario.

So, what is there to do outside of Philadelphia to make a great extended vacation?

Drive down to Washington DC (about 220 miles, off the main highway) and visit en route such Pennsylvania sights as Wyeth Art Galleries at Chadds Ford and the Longwood Gardens in historic Brandywine Valley – then, charming New Castle and Inner Harbor attractions at Baltimore. Or go west to Valley Forge, the Amish country at Lancaster, and historic Gettysburg (only 120 miles); or go east into New Jersey state to Atlantic City casinos and relaxing Jersey Shore beaches.

Or north to charming Princeton and even to New York City attractions (only 90 miles). Whichever way you go, you can have a marvelous short vacation at a modest average daily cost (including SUGUNA expense) that is much lower than just the Conference cost.

Please return the enclosed SUGUNA Annual Membership Form to the Secretary, Michael Challis. Note: in order to be eligible to vote on business decisions of SUGUNA at Annual Membership Meetings, in person or by proxy, one needs to be a member and also to renew one’s membership each year.

2009 SUGUNA Annual Conference

The 2009 SUGUNA Annual Conference is to be held in Los Angeles on the beautiful University of California, Los Angeles (UCLA) campus, over the period August 20 to 23, 2009.

An exciting program of speakers and activities is being planned. More details will be provided at the PA conference and in upcoming newsletters. Put the date in your diary and plan to make a vacation around this fun event!
G. F. Kim Santow was born in 1941, and was educated at The Friends School in Hobart and at Sydney Grammar School. He attended the University of Sydney, and graduated with Bachelor of Arts and Master of Laws (Honours) degrees also taking a Blue in Rowing.

Kim had a distinguished career in law, academia and business, having been a practising solicitor, lecturer at the University of Sydney and University of New South Wales, visiting scholar at Harvard and Cornell Universities, and Lincoln’s Inn, London, as well as being a director of a number of companies. He was appointed a Judge of the Supreme Court in 1993 and named Chancellor of the University of Sydney in 2001, positions he held until he retired in 2007. He was awarded the Order of Australia Medal in 1990 and in the Queen’s Birthday Honours List of 2007 was made an Officer of The Order of Australia. In the same year, the University of Sydney conferred on him the honorary degree of Doctor of Laws.

University of Sydney Vice-Chancellor, Professor Gavin Brown, said in a statement, “It is sad to lose someone who has achieved so much and had so much more to offer. He completed a period of distinguished service as Chancellor last year, and his ongoing contribution to higher education will be greatly missed.”

Our sympathies go out to Kim’s wife Lee and their sons, Simon, William and Edward and their families.

**Dr Frank Trevitt (BVSc, 1939)**

Elizabeth Trevitt has advised of the death of her husband, Frank Trevitt, at the age of 89 on 23 December 2007, in Calgary, Alberta. Our sympathies are extended to Elizabeth and the family.
What We Learned at Queen’s University, Kingston

In the last issue we gave summaries of a number of talks presented at the annual Conference held in Kingston, Ontario. The following summaries complete the collection.

**DETERIORATED INFRASTRUCTURE**

Dr Ian D. Moore BE, PhD, Sydney, Queen’s University, Kingston, Ontario

Civil infrastructure is essential for the social and economic well-being of all nations, supplying water, removing and treating wastewater, solid waste and storm water, and providing transportation in and between cities. Infrastructure is designed with finite service life, and unless subjected to unexpected loads, it usually performs its function effectively. However, poor construction or maintenance can result in premature failure, and eventually components degrade to the point where they need repair or replacement. Interactions between infrastructure elements can lead to catastrophe when one component degrades to the point of failure. Civil infrastructure maintenance currently consumes over 4% of Canadian and US GDP.

Rehabilitation of the buried pipes and culverts under our cities and highways requires part of this expenditure. Engineers and contractors are developing innovative techniques to repair, replace or install new buried pipe infrastructure without trench construction, reducing costs and minimizing or eliminating disruption associated with trench excavation.

Directional drilling involves boring a curved path from one location to another, and pulling a new pipe back into that borehole. Research at Queen’s is establishing the effect of these technologies on the short and long term performance of the new or repaired pipes, to limit the risk of premature failure of the pipes or other infrastructure in the vicinity.

Many techniques have been developed to construct a liner within the deteriorated pipe or culvert to restore its integrity. For example, a preformed pipe can be slipped inside if there is adequate access, or an epoxy-coated tube can be inserted, inflated and cured within the sewer or water pipe.

Pipe bursting employs a conical “burst head” to break apart an existing clay, concrete or cast iron pipe, push the pipe fragments out into the surrounding ground, and insert a new polymer pipe.
While it is common for health professionals to feel that the major influences on individual and community health status are the results of their actions, the reality is that numerous factors interact with each other to influence our health. These include housing, nutrition, genetics, technology, utilization practices, individual behaviors, culture, economics, education, environment and social and psychological factors. In many societies, including Australia and the United States, responsibility for health is divided among individuals; physicians and other health professionals; families, employers and community organizations; and the various levels of government.

In addition to the well known major causes of the global burden of disease, and these are changing over time in terms of their significance, including ischemic heart disease, cancer, cerebrovascular disease, respiratory infections and HIV/AIDS, we must not forget many other important diseases and the impact of changing demographics on our health status. The so-called ‘Neglected Diseases’, which comprise the ancient afflictions of stigma and poverty and affect millions of people throughout the tropical areas of the world, can be prevented and treated for relatively small investments. The potential benefits of such actions are enormous in terms of improved life expectancies and better quality of life for millions of vulnerable people. In addition to sound public health and clinical medicine interventions it is imperative that there be simultaneous improvements in social, nutrition, education, housing and employment conditions. Otherwise, the health interventions will be wasted resources.

Americans are overweight or obese emphasizes this alarming situation. 15% of children, between 6 and 19 years of age, are overweight or obese. The statistics for Australia are equally disturbing. Almost 60% of Australians are overweight or obese and this applies to about 25% of Australian children. Australia has the fastest rising rate of childhood obesity in the world, being double that of the US and triple that of the UK.

What is public health’s role in dealing with these health challenges? Public health authorities and public health researchers and educators should use their expertise and positions to influence policy makers, legislators and the community at large to understand the significance of these facts, not only for the larger community but also for themselves and their families. This will involve improved health communications, more effective health education strategies, the development and implementation of new technologies, establishing appropriate role models, advocating appropriate life style and behavioral changes and focusing attention on environmental and occupational health measures, including sensible approaches to work and recreation.

Individuals must also take significant responsibility for their own health status by adopting a sensible approach to diet, exercise and alcohol consumption; not smoking and avoiding secondary smoke; being good role models for others; and staying informed about things which will promote their health status and prevent diseases and illnesses whenever possible.
President Carter’s declaration of a State-of-Emergency at Love Canal in 1978 drew the public’s attention to the problems with past indiscriminate dumping of waste. Technically, much has changed over the last 25 years; however, public perception has not much changed. This talk presented a brief reflection on past problems caused by dumps and why those problems occurred. Common characteristics of the major past problems included: disposal of liquid hazardous waste, poor site selection, negligible liners and drainage systems to control and collect leachate (the dirty fluid generated by landfills) and negligible monitoring.

Since those days waste disposal practice has changed enormously. The primary source of serious past problems, the disposal of liquid hazardous waste, is now prohibited in countries with modern waste regulations. Also modern landfills are mandated to have appropriate liners and leachate collection systems to control and collect leachate (the dirty fluid generated by landfills) and negligible monitoring.

Modern landfills are monitored to ensure that there is no contaminant escape (and to allow prompt remediation in the unlikely event that there was any escape). This monitoring also includes the leachate chemistry and, while one would not want to drink leachate, the primary constituents are common salt and volatile fatty acids (the most common of which, acetic acid, is the primary constituent of vinegar) and it is not hazardous in the way that past leachates were a severe risk to public health. This leachate can be, and is, readily treated in modern sewage treatment plants.

It was concluded that well designed and constructed modern landfills offer very little risk to the environment or to human health and safety. In fact the greatest risk (by orders of magnitude, although still relatively small) is due to traffic accidents involving trucks transporting waste to the disposal site.
AUSTRALIA AND CANADA: KINDRED NATIONS (continued)

Parliamentary Delegation and by the Chief Justice and Judges of the High Court. Canadian Prime Minister Harper travelled to Sydney for the APEC meetings in September and a bilateral visit, and several Canadian Ministers have visited Australia this year in connection with APEC.

It is not only government-to-government links that have been re-energised. In the business sphere Canada is interested in Australia’s experience in public private partnerships. The Canadian-Australian Chamber of Commerce in Toronto has been revitalised. The other area of renewed activity is in people-to-people links which continue to benefit from growth in three areas; tourism, education exchanges and the popular working holiday makers’ scheme.

So what are we doing with this renewed relationship? Drawing on the new energy in the relationship we are increasingly turning to each other to discuss crucial policy questions. Three examples spring to mind: climate change, energy security and health and ageing.

On climate change both Australia and Canada agree that climate change is a serious global challenge. We have worked closely together as part of the UN Framework Convention on Climate Change Umbrella Group and this will continue as we work on a new post-Kyoto framework. We share the same fundamental objective of working towards a framework that is environmentally effective and economically efficient. We agree that this framework should include all major emitters. On energy, the Canadian and Australian governments have a common interest in energy and energy security and we are both significant actors in the sector. Both our countries are making new investments in renewable energy sources such as bio-fuels. Taking an active role together on the development of energy security initiatives will continue to be important. On health and ageing, Australia and Canada share significant challenges in terms of ensuring the health of our populations amid the escalating cost of healthcare.

Australia and Canada will continue the important benchmarking and policy exchange partners working on these key issues and other challenges.

THE UNITED STATES STUDIES CENTRE

Tracey Beck, University of Sydney, Australia

Tracey provided an overview of the United States Study Centre which will offer a new Masters, Graduate Diploma, Graduate Certificate and research degrees in US Studies through the Faculty of Arts from 2008. Graduates of this novel interdisciplinary program will be equipped with essential knowledge and understanding of the United States to enable them to pursue a variety of career paths.

- It was established in 2006 to improve Australian understanding of the US and build linkages
- It is aimed at providing a leading centre for research and debate, and to create new knowledge on US political, economic, social and cultural issues
- The Centre has a commitment to cutting-edge research, quality teaching and community engagement
- Its core activities will include:
  - Research and research training
  - Policy debate and development think tanks
  - Executive education
  - Community outreach

After providing some information on the proposed academic programs, poly-u debate and community outreach initiatives planned, Tracey commented that Australian – US relations will become much more complex as Australia finds its place in an Asian context. The US Studies Centre is one of the most important initiatives ever undertaken in US – Australian relations.
Steve Mandel's Conundrum

Steve Mandel, a University of Sydney graduate and former professor of mathematics, presents us with Spring's conundrum.

Answers may be sent to the editors at portiamail@aol.com or directly to Steve at MaryJaneMandel@aol.com.

NOMINATIONS SOUGHT FOR 2008 WOLFENSOHN AWARD

Nominations are invited for the 2008 SUGUNA Jim Wolfensohn Award. Any member of SUGUNA may make a nomination for this award, which is based on the following criteria:

(a) The winner must be a graduate of the University of Sydney.
(b) He or she must be a member of SUGUNA.
(c) He or she must be a person who has made significant contributions for the betterment of society and his, or her, profession, business or academia.
(d) The nominee shall have participated in SUGUNA Conferences.

Nominations must include a complete curriculum vitae, with details of professional appointments, awards, honors, other accomplishments (research where appropriate), affiliations, compilations of publications, service to communities and organisations, and other achievements. The nomination must also include a supporting letter from the nominating member outlining the merits and qualifications of the person nominated. Nominees of the winning candidate are asked to ensure that both they and the award winner are present at the award presentation. The selection committee for each year is comprised of the five previous winners.

The 2008 nomination deadline is August 15 2008

Please email your nomination to enewbrun@gmail.com or send to:

Dr E. Newbrun
1823 8th Ave.,
San Francisco, CA 94122
Ph 415-731-7421

Dr. Newbrun will circulate all nominations to the selection committee.

This issue’s Conundrum:

A. Some ice cubes are floating in a glass of water. They will gradually melt. As they do so, will the level of the water in the glass rise or fall or remain at the same level?

HINT. Think ARCHIMEDES.

B. Some ice cubes are totally submerged in a glass of water, held down at the bottom of the glass by covering them with some small rocks. They will gradually melt. As they do so, will the level of the water in the glass rise or fall or remain at the same level?

HINT The answer to A above is not the same as the answer to B above.

Last Issue’s Conundrum:

Miranda beat Rosemary in a set of tennis, winning six games to Rosemary’s three.

Five games were won by the player who did not serve. (In tennis lingo, there were five "service breaks".) Which player served first?

Answer: Miranda served the first game - because:

The player who served first will have served five games, the other player will have served four. Suppose the player who served first won $x$ of the games she served and $y$ of the other four games. Then $x + y = 6$ if Miranda served first, and $x + y = 3$ if Rosemary served first. Now the total number of "service breaks" will be $(5 - x) + y$ and we were told that there were 5 of these. Thus $x = y$ and therefore the player who served first won a total of $2x$ games, which is an even number. Because only Miranda won an even number of games, she must have been the player who served the first game.
NEW MEMBERS ... SUGUNA welcomes new members and returned friends (May 2008)

Jean Alexander (nee Hutchinson), Kingston, ON. MBBS, 1953

Brenda Carrigan (nee Robertson), Ottawa, ON. BA 1961

Vinod Duggirala, Toronto, ON. Graduate Certificate Exer and Sports Sc, 2001

Jennifer Fraser, Oberlin, OH. BA (Hons in Music), 1996

Dennis Geyer, Pleasant Hill, CA. BSc (Hons), 1968

Jo-Anne Hogan, Menlo Park, CA. BEd, 2001

Alan M Kindred, La Canada, CA. MA; LLB, 1979

Aklan Krishnamoorthy, Everett, WA. BE (Aero), 1998 and BSc (Physics) 2000

Grant Leddie, Burbank, CA. BEc, 1983

Michael Ludvik, Brooklyn, NY. BE (Civil) 1997

Benjamin Macdonald, Hoboken, NJ. BSc, 1993 and BE, 1995

Susan Macdonald, Tarzana, CA. BSc (Arch), BArch, 1986

Ian Moore, Kingston ON. BE, 1980 and PhD, 1986

Christopher Parker, Philadelphia, PA.

Peter Powers, Carmel, IN. Master of International Business, 2003


Bill Shelby, Muskogee, OK. Master of Commerce, 2007

John Speed, Salt Lake City, UT. BSc, 1977 and MBBS, 1981

Yanev Suissa, Washington, DC. MCrim, 2003

Jennifer Voss (nee Gilbert), Lexington, MA. Visiting Student, 1984

Current SUGUNA Officers and Directors:

President
Philip Minter (2008)
1576 Stapler Drive, Yardley PA 19067, USA
T: 215 321 1662
F: 360 323 1662
E: pminter@comcast.net

Vice President & President Elect
Gerry Bassell
6505 East Central Wichita, KS 67206, USA
T: 316 648 7200
F: 707 667 0362
E: usydgrad@mac.com

Immediate Past President
Ronald Ettinger
230 Magowan Avenue Iowa City, IA 52246, USA
T: 319 335 7378
F: 319 335 8895
E: ronald-ettinger@uiowa.edu

Secretary
Michael Challis (2010)
4104 Thornoaks Drive Ann Arbor, MI 48104-4256, USA
T: 734 971 6186
E: mdchallis@aol.com

Treasurer
Gillian Beattie (2010)
2868 Doc Savage Drive Langley, WA 98260, USA
T: 360 321 4943
E: gbeattie@popmail.ucsd.edu

SUGUNA Directors
184 Clergy Street East Kingston, ON K7K 3S7, Canada
Tel: 613 544 6329
E: julian@Kingston.net

Rex Fortescue (2010)
401 - 2890 Point Grey Road Vancouver, BC V6K 1A9, Canada
T: 604 736 8394
E: missyharvey@shaw.ca

Jennifer Green (2010)
2123 South Paseo Loma Circle, Mesa, AZ 85202, USA
T: 480 491 0995
E: Jenny.green@asu.edu

Wanda M. Haschek-Hock (2008), 2638 County Road 60, East Mahomet, IL 61853-9788, USA
W.T: 217 333 3947
H.T: 217 897 1618
W.F: 217 244 7421
E: whaschek@uiuc.edu

Angela Kirgo (2010)
Newsletter Editor Ex-officio 11745 Montana Ave., Apt. 103, Los Angeles, CA 90049, USA
T: 323 782 4693
W. F: 323 782 4695
W. E: akirgo@wga.org
H. E: akirgo@verizon.net

John McLenaghan (2009)
3/18 Parriwi Road, Mosman NSW 2088, Australia
T: 61 2 9960 6136
F: 61 2 9960 6136
E: mclenaghanjd@yahoo.com

Perry Seamonds (2010)
39 Lavery Lane Milford, CT 06460, USA
T: 203 877 5385
E: pseamonds@aol.com

Phillip H. Smith (2010)
102 Haverford Road Fox Chapel, Pittsburg PA 15238-3100, USA
T: 412 963 7010
E: philip1952@earthlink.net

Jan Wise (2010)
98 Barnyard Lane, Roslyn Heights NY 11577-2809, USA
H.T: 516 484 4835
E: janwise@optonline.com