



May 2004

The ANS Globe

...e- news from the ANS International Committee

From the editors

The ANS Globe is the Bulletin of the American Nuclear Society's International Committee. However, The Globe has not appeared for a few years. The current issue is due to Committee Chair France Brès-Tutino's enthusiastic encouragement to us to try its come back. We hope that this attempt will be successful in capturing the interest of committee members and others, and that The Globe can be issued more regularly in the future. Please send us letters, articles, and/or comments for consideration towards the next issue.

Ben Rouben



Mauro L. Bonardi



From the Chair

Dear friends,

The challenge of maintaining the momentum for a sustainable nuclear future is a major objective for all countries with a long-term energy strategic vision. This is the case for the U.S. and many countries across the world. From this vantage point, the ANS offers a remarkable network of motivated professionals in nuclear science and technology, spreading out all over the continents. Today, the ANS international membership makes available nearly one thousand nuclear experts from 40 countries to support ANS undertakings.

Against this backdrop, I strongly believe that the International Committee is a unique tool toward helping building a "Nuclear Global Village".

With this in mind, the ANS Globe is back again, with this inaugural electronic issue to mark the clear resolve of the IC members to strengthen the existing links among them, as well as between the ANS and its affiliated nuclear societies internationally.

I look forward to share with you, through this electronic medium, your thoughts for maximizing the input of our Committee in meeting these exciting objectives.



Join us to celebrate:

The ANS 50th Anniversary

Congratulations to the ANS as it celebrates its 50th anniversary in 2004! “A Golden Anniversary – A Golden Opportunity” will be the theme of the 2004 ANS Annual Meeting, which will be held in Pittsburgh, PA, 13-17 June

Watch also for a historical perspective on the ANS, to appear in the 2004 June issue of *Nuclear News*. You can participate in the celebrations of this 50th anniversary by signing the guest book on the ANS Web site at www.ans.org/fifty/guestbook/.

The CNS 25th Anniversary

Congratulations to the Canadian Nuclear Society (CNS) as it celebrates its silver (25th anniversary) in 2004. The CNS was created in 1979 as the technical society of the Canadian Nuclear Association (CNA), the umbrella organization for nuclear companies in Canada. In 1998 the CNS became a legally separate entity, as it gained its charter as a distinct not-for-profit organization.

Highlights from the New Orleans Meeting

At the International Committee Meeting, held 2004 November 18, Dr. István Vidovszky, President of the Hungarian Nuclear Society, was invited in the framework of the International Program initiated in 2002 by Landy Langley, then Chair of the International Committee.



This program aims at facilitating participation in ANS Annual and Winter Meetings by representatives of Co-operative Agreement Organizations from Developing Countries. Dr. Vidovszky gave a very interesting talk on “The Nuclear Program in Hungary and the Hungarian Nuclear Society”. He pointed out that nuclear power provides 39.1% of the electricity in Hungary and is the cheapest option. Oil and gas provide 32.2%, but there are not enough internal resources. **Nuclear energy is essential for Hungary.**

The PAKS power plant has 4 VVER units of 460 MW each, which were commissioned between 1982 and 1987. There is also the Budapest Research Reactor, 10 MW, commissioned in 1959, whose main purpose is neutron-physics research, radionuclide production, neutron radiography, activation analysis, etc.

The HNS holds national symposia and international meetings. It grants 2 major awards annually, the Leo Szilard Award for nuclear activity and the Fermi Award for young scientists. It also aims to provide public information and education on nuclear technology.

The French Section of the ANS noted that it had invited ANS President Dr. Larry Foulke to its General Assembly, held 2003 September 24 in Paris. On that very well attended occasion, Dr. Foulke gave a talk entitled “The ANS Assets in Paving the Way for a Nuclear Revival in the US”. This photo shows Larry with members of the French Section of the ANS.



Dr. Frank Deconinck, President of the Belgian Nuclear Society, described the origin of the Society, which was founded in 1970 as a local section of the ANS. In 1980 it became the Belgian Nuclear Society, a not-for-profit organization with about 400 members currently. It is an affiliate of the ANS and a founding member of the ENS. The Belgian Nuclear Society organizes monthly evening lectures, an Annual Symposium and General Assembly.

Dr. Irene Aegerter, Member of the Swiss Federal Commission on Nuclear Safety, discussed the nuclear scene in Switzerland. In 2002, 39% of Swiss electricity production was from the 5 reactors in operation. On 2003 May 18 a nuclear referendum on the initiative “Phase-out of Nuclear Energy” (which would have phased out 3 reactors and limited the life of the other 2 to 30 years) was defeated by 66.2% of voters. The initiative “Moratorium Plus” (which mandated that there would be no new NPPs and restricted the life span of all NPPs to 40 years) was defeated by 58.4% of voters.



Prof. Mauro L. Bonardi, University and INFN-Milano, reported that Italy imports 18% of its total electricity (from France, Switzerland, Austria, Slovenia and Greece). This electricity is produced mainly in France and is electronuclear (except the imports from Greece, which represent << 1%). After the “nuclear moratoria” of 1987, the demand increased by 2 to 6% annually. In July-August 2003 the consumption reached peaks of 54 GWe, and a risk of black-outs was announced. After the 24-48-hour black-out of September 28 (which excluded Sardinia), the Italian Government announced the construction of new power plants of 12-GWe total capacity within 10 years, although the type of plant has not been decided yet. The nuclear option is strongly envisaged.

Awards to IC members

France Brès-Tutino: Distinguished Service Award



Heartiest congratulations to France C. Brès-Tutino, who received the ANS Distinguished Service Award at the ANS Winter Meeting in New Orleans, in November ! This Award recognizes France's *"personal dedication and exemplary involvement in the ANS Board of Directors and standing committees, and her outstanding contributions in increasing international recognition of the ANS as a major element in the promotion of nuclear science and engineering worldwide"*. Here, France receives the award from ANS President Larry Foulke.

Jorge Spitalnik: Presidential Citation



Heartiest congratulations to Jorge Spitalnik, Past Chair of the International Committee, who received a Presidential Citation at the ANS Winter Meeting in New Orleans! The Citation was presented for Jorge's *"untiring efforts to ensure that the Society represents the international nuclear community"*, notably through his work in the International Nuclear Societies Council, of which he is the current Chair, and in the Latin American Section of the ANS, of which he is a founder.

Gail Marcus: New Appointment to the OECD NEA

Heartiest congratulations to Dr. Gail H. Marcus, Past President of the ANS and Past Chair of the ANS International Committee, on her appointment as Deputy Director-General of the OECD Nuclear Energy Agency. The appointment was effective 5 April . From 1999 until her NEA appointment, Dr. Marcus was the Principal Deputy Director of the Office of Nuclear Energy, Science and Technology at the US Department of Energy, where, among other things, she carried out the research program on advanced reactor designs and managed the DOE research reactors and radionuclide-production programs. Our best wishes to Gail on her new post!



Mark your calendar

Some Upcoming International Conferences on Nuclear Topics

(Please let us know your upcoming conferences for inclusion in this space)

2004

- 6-9 June: 25th CNS Annual Conference, Toronto, Ontario, Canada (organized by CNS) - www.cns-snc.ca
- 13-17 June: ANS Annual Meeting and ICAPP'04 / International Congress on Advances in Nuclear Power Plants , Pittsburgh, Pennsylvania, USA (organized by ANS and ENS) - www.ans.org
- 20-25 June: International Conference MTAA-11, 11th Modern Trends in Activation Analysis, University of Surrey, Guilford, UK - www.mtaa11.com
- 21-24 June: International Conference ATALANTE 2004, Science for the Future Nuclear Fuel Cycles, Nîmes, France (organized by Commissariat à l'énergie atomique) - www.atalante2004.cea.fr
- 11-14 July: International Joint Meeting "Towards Latin American Co-operation on the Development of Nuclear Energy and Radiological Safety", Cancún, México (organized by Sociedad Nuclear Mexicana) – <http://nuclear.esfm.ipn.mx/cancun2004>
- 25 August- 3 September: Frédéric Joliot & Otto Hahn Summer School on Nuclear Reactors – Physics, Fuel and Systems, CEA Cadarache, France
- 29 August – 3 September: 6th International Conference on Nuclear and Radiochemistry, NRC6, Aachen, Germany (organized by Forschungszentrum Jülich) - www.fz-juelich.de/NRC6
- 26 September – 1 October: International Conference on Nuclear data for Science & Technology, Santa Fe, New Mexico, USA (an OECD Conference) - <http://t16web.lanl.gov/nd2004/>
- 3-6 October: Americas Nuclear Energy Symposium (ANES), Miami Beach, Florida, USA - www.ans.org
- 4-8 October: 6th International Topical Meeting on Nuclear Reactor Thermal Hydraulics, Operations, and Safety, Nara, Japan (sponsored by Atomic Energy Society of Japan) - www.nuthos6.org
- 12-15 October: Sixth International Conference on Simulation Methods in Nuclear Engineering, Montréal, Québec, Canada (organized by Canadian Nuclear Society) - www.cns-snc.ca. The Summer Olympics are in Athens this year, but in 1976 they were in Montréal (this is the Olympic Stadium which was built for the occasion).



- 19-22 October: VVER-2004 Experience and Perspectives, International Topical Meeting, Prague, Czech Republic (organized by Czech Nuclear Society) - www.teris.cz
- 14-18 November: ANS Winter Meeting and Nuclear Technology Expo, with two Embedded Topical meetings: BE 2004/Best Estimate and Operating Nuclear Facility Safety, Washington, DC, USA (organized by ANS) - www.ans.org

2005

- 17-21 April: Monte Carlo 2005, Chattanooga, Tennessee, USA (organized by ANS) - meetingsandconferences.com/MonteCarlo2005
- 17-22 April: International Conference NAMLS-8, 8th Nuclear Analytical Methods in the Life Sciences, Rio de Janeiro, Brazil (organized by CENA and SBM) - www.cena.usp.br/namls8
- 25-29 April: 5ICI - 5th International Isotopes Conference, Brussels, Belgium - www.jrc.nl/5ici
- 1-4 May: Waste Management, Decommissioning and Environmental Restoration for Canada's Nuclear Activities, Ottawa, Ontario, Canada (organized by Canadian Nuclear Society)
- 22-29 May: 1st International Nuclear Chemistry Congress, 1-INCC, Kusadasi, Turkey (organized by International Nuclear Chemistry Society, INCS) - incs.ege.edu.tr/1st-INCC.html
- 5-9 June: ANS Annual meeting, San Diego, USA
- 12-15 September: M&C 2005- International Topical meeting on Mathematics & Computation, Supercomputing, Reactor Physics, Nuclear and Biological Applications, Pope's Palace - Avignon, France - <http://mcAvignon2005.cea.fr>
- 2-6 October: NURETH 11, 11th International Topical Meeting on Nuclear Reactors Thermal-Hydraulics, Pope's Palace, Avignon, France - <http://nureth11.com>
- 13-17 November: ANS Winter Meeting, Washington DC, USA
- 12-14 December: ENC 2005, European Nuclear Congress, an ANS/ENS event, Versailles, France

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