

Operations and Power Division

Spring 2004



You are invited...

To Pittsburgh, Pennsylvania for

A Golden Anniversary – A Golden Opportunity

UWC 2004 Planning

Sunday, June 13, 2004

10:00 - 11:30 AM, Conference D

OPD Program Committee

Sunday, June 13, 2004

1:00 - 3:00 PM, Parkview West

OPD Executive Committee

Sunday, June 13, 2004

3:00-6:00 PM, Parkview West

OPD Honors & Awards Luncheon

Monday, June 14, 2004

11:30 AM – 1:00 PM, Nick & Tony's Restaurant

Everyone is welcome!

Check the final program
for any location or time change.

See Our Website at . . .

OPD.ANS.ORG

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Edited by Mark Reinhart

From Your Chair

Sophie Gutner

Let me start by wishing ANS a very happy 50th anniversary! The theme of this year's celebration is "A Golden Anniversary – A Golden Opportunity." The field of Nuclear Science & Technology is exciting, and our future is filled with great opportunities, emphasized by recent industry initiatives. Today we may not even be able to imagine the potential from some of these opportunities. Larry Foulke, ANS President, wrote a very stimulating article about ANS in 2054 in the January/February edition of ANS News; I hope you all have read it and found it thought provoking. There are many activities this year to mark this important 50 year milestone, and I encourage you to visit the ANS website (www.ans.org/fifty/) to learn about them and take part in them. Also please see the Guest Book and the Futurequest project.



Looking forward to the OPD Honors & Awards Luncheon in June (You are all invited!), I strongly believe that it is our role, as members of a professional society, to identify excellence and to recognize our peers for their achievements and accomplishments. We work closely together in our respective fields; therefore, we are in the best places to know when one of us deserves a special recognition. It is critical that, when you notice such excellence, you speak out and take the time to nominate your peer for one of the honors and awards that OPD and ANS provide, including OPD's Zinn Award and Meritorious Performance in Operations Award. We will always be happy to help you with the process and paperwork, but – please! – let it be known that one of your peers deserves special recognition!

As I am writing this article, we have just passed the 25th anniversary of the nuclear accident at Three Mile Island. Looking back at past events is important in our industry (i.e., for lessons learned and operating experience) to avoid repeating our mistakes. Even more important is the need to be our own Ambassadors and speak out in public about our accomplishments and the benefits of our industry for society. Many OPD members have participated in public debates or media interviews and have written articles over these past few weeks in support of Nuclear Science & Technology. We are our strongest defenders! The grassroots efforts led by Larry Foulke require all of our

efforts to succeed. Join the Speakers' Bureau; contact your local government officials and media; and participate in your local community as Nuclear Professionals!

Take a close look at the enclosed articles on our ICAPP meeting in June and Utility Working Conference in August. We are looking forward to seeing many of you at each of these events. Also worth mentioning is the special Job Offer for the OPD Webmaster position. This position is critical for our communications, and we need a dedicated member to accept this opportunity by November. We all need to contribute our time, knowledge, and energy to take ANS into 2054 and beyond.

See our extended online edition
of this newsletter at
<http://opd.ans.org/nspring04online.html>

Program Committee

By Donna Sky

The goal of the Program Committee is to develop topics for technical sessions that generate lively discussion and provide thought-provoking ideas for the attendees.

Based on informal feedback from ANS members and non-members, the committee is striving to provide more timely sessions that address issues of current concern. To further this effort, the Program Committee welcomes recommendations on session topics, and feedback on how well the sessions met or are meeting your needs for information. Please contact the Program Committee Chair (Donna Sky, dms6@nrc.gov) or Vice-Chair (Don Eggett, dreggett@aesengineering.com) with your comments.

Recently the Program Committee distributed a survey to OPD members to solicit your views on what are the hot topics in the industry. Our objectives are to be more responsive to OPD members' needs and to provide an elevated focus to key topics. The survey identified 13 major areas. Details of the survey results are available on the OPD website.

Summer 2004 - Pittsburgh

The theme of the 2004 Annual Meeting is "A Golden Anniversary - A Golden Opportunity." OPD will be sponsoring a slate of sessions on topics that address currently operating, as well as next generation, nuclear power plants. These topics include the following: new opportunities for cost savings at nuclear power plants, containment sumps, monitoring and control of next generation plants, policy issues of advanced nuclear

energy systems, historical lessons, and risk informed decision making.

2004 Winter Meeting - Washington DC

The theme this winter is "Leadership Toward a Progressive, Integrated Nuclear Community—Going Forward Together." OPD has proposed 6 sessions for the 2004 Winter Meeting. Please contact the organizers listed below if you would like to get involved in planning or making presentations.

1. Hot Topics and Emergent Issues, Don Eggett (dreggett@aesengineering.com)
2. Challenges Facing the Young Generation in Nuclear, David Pointer (pointer@na-ygn.org)
3. Knowledge Conservation and Transfer, David Pointer (pointer@na-ygn.org)
4. Advanced Nuclear Energy Systems - Buzz Savage (buzz_savage@hq.doe.gov)
5. Update on Nuclear Security Issues for Nuclear Facilities, Don Eggett (dreggett@aesengineering.com) and Doug Walters
6. The Cost-Benefits of Risk Information, Mark Reinhart (fmr@nrc.gov)

A sign-up form for the OPD Program Committee is available on-line. OPD members interested in helping out with national meetings or topical meetings can sign up at <http://opd.ans.org/cprog-signup.cgi>. To those who have already signed up, "Thank you!" We will be contacting you soon with areas in which you can help.

International Congress on Advances in Nuclear Power Plants (ICAPP)

By Samim Anghaie

The 2004 International Congress on Advances in Nuclear Power Plants (ICAPP '04) will be held during June 13-17 in Pittsburgh, PA at the 2004 ANS Annual Meeting. ICAPP is the premier international conference on nuclear power plants and is jointly sponsored by five of the world's major nuclear societies – the American Nuclear Society (ANS) <http://www.ans.org>, Sociedad Nuclear Española (SNE) <http://www.sne.es/>, Société Française d'Énergie Nucléaire (SFEN) <http://www.sfen.org/>, the Atomic Energy Society of Japan (AESJ) <http://wwwsoc.nii.ac.jp/aesj/index-e.html>, and the Korean Nuclear Society (KNS) http://www.nuclear.or.kr/e_introduce.php.

The Operations and Power Division of ANS is the primary sponsor of the Congress. ICAPP is an annual event that is held bi-annually in conjunction with the ANS Annual Meetings and rotates in off-US years between Europe and Asia. ICAPP '05 will be held during May 15-18, 2005 in Seoul, Korea.

ICAPP provides a forum for the industry to exchange the latest ideas and research findings on nuclear plants from all perspectives. This Congress builds on the success of last year's meeting held in Córdoba, Spain and on that of the 2002 inaugural meeting held in Hollywood, FL. Because of the hard work of many volunteers from around the world, ICAPP '04 has been successful in achieving its goal. More than 350 invited and contributed papers or presentations are part of this Congress. There are 5 invited plenary sessions and 70 technical sessions with contributed papers. The ICAPP '04 Proceedings will contain nearly 300 papers prepared by authors from 25 countries covering topics related to advances in nuclear power plant technology. The range of topics covered includes the following: water cooled reactors, high temperature reactors, long term programs, plant reliability, safety assessments, thermal hydraulics, fuel and core design, materials, sustainability and nuclear power applications in space.

ICAPP '04 joins the American Nuclear Society in celebrating its 50th Anniversary.

Utility Working Conference By Harold Stiles

August 8-11, be on Amelia Island for the UWC 2004!

The UWC continues its 11-year tradition of being the best ANS conference for sharing utility innovations.

As General Chair for UWC 2004, **David Christian**, Senior VP and CNO, Dominion Generation, chose the very timely theme, "PROMOTING THE NUCLEAR SAFETY CULTURE: Realizing Operational and Economic Gains." Joining him in the opening plenary to communicate this message, are **Samuel Collins**, Regional Administrator, NRC Region I; **George Felgate**, VP and CNO, INPO; **David Modeen**, VP and CNO, EPRI; and **Robert Rubin**, Senior Investment Grade Credit Analyst, Deutsche Bank.

One innovation for UWC 2004 is the General Chair's Special Session on "Operating Under the New Security Requirements." The invited speakers for this session include **Christopher Crane**, Nuclear President and CNO, Exelon; **Barnie Beasley**, VP, Southern Nuclear Operating Co; **James Levine**, Executive VP and CNO, APS; and **John McGaha**, President, Entergy Nuclear South.

Another innovation for UWC 2004 is the re-organization of the meeting Tracks to better align with industry business models. During the 2 _ day conference, attendees can choose from presentations in Configuration Management, Equipment Reliability, Operations, Work Management, Regulatory Relations, Nuclear Asset Management, Performance Improvement, and Material & Services. This Track alignment invites greater participation with the respective Communities of Practice in the industry. The conference also promotes improved communication by aligning, during each breakout period, four of the eight Tracks in two cross-functional sessions. Examples follow:

- Equipment Reliability and Materials & Services are co-organizing a session on "Equipment Obsolescence"
- Performance Improvement and Operations are co-organizing a session on "Organizational Learning from Operating Experience"
- Work Management and Nuclear Asset Management are co-organizing a session on "Work Management's Role in Nuclear Asset Management"
- Regulatory Relations and Configuration Management are co-organizing a session on "Managing the Process for Licensing New Nuclear Plants"

Again this year, the technology exhibit highlights innovative products and services from some of the leading vendors in the industry.

Finally, there are several industry meetings immediately following the conference. These include a workshop on Root Cause Analysis for Safety Culture and Human Performance Improvement, a NAM Fleet Management Sub-committee meeting, and the National Regional Utilities Group (RUG) meeting with the NRC. For more information, visit the UWC website <http://opd.ans.org/uwc.html>

Honors & Awards By Loyd Wright

We have a number of individuals to honor at our annual Honors & Awards Luncheon in Pittsburgh this summer.



The recipient of the **2004 Zinn Award** is Mr. Harold B. Ray, Executive Vice President of Southern California Edison.

The **Mona Grimsley Best Session Awards** were earned by Ted Quinn for his June, 2003 session titled "Financing the Next Generation of Nuclear Power Plants" and by Mark Reinhart for his November, 2003 session titled "The Risk-Informed Environment."

Best Paper Awards will be received by Michael T. Cash for his paper, "U.S. Patents in Reactor Technology: Disappearing Ideas and Property Rights" in June 2003 and by Eddie Davis for his paper, "Results of the EPRI/Utility On-Line Monitoring Implementation Project" in November 2003.

Excellent Presentation Awards will be presented to Andrew Patterson for June 2003 and to Mark Reinhart for November 2003.

Please join us at the luncheon on Monday, June 14, 2004 to honor these recipients and congratulate them in person.

Treasurer's Report By Greg Gibson

The year 2003 was good financially for the Operations & Power Division. We remained solvent, and we were able to position ourselves to complete our scholarship funding goals in 2004.

We started the year with \$56,877 in the bank, and we acquired \$20,911 in income for a total \$77,788. We spent \$10,000 in scholarships, \$6,500 in student support, and \$3,594 in expenses



(publications, awards, meeting costs) for an expended total of \$20,094. Therefore, we ended 2003 with a total of \$57,694. We anticipate increased income in 2004 from our sponsorship of the ICCAP, with an estimated total income of about \$36,000 by the end of 2004.

The OPD Executive Committee budgeted three main items for 2004: (1) A one-time \$17,957 contribution was made to the three scholarship funds: Power Division [\$2000 annual scholarship], Bisesti [\$1000 annual scholarship] and Lacy [\$1000 annual scholarship]. This contribution increases the funds' principle amounts so that they can become perpetually "self-funded." (2) A \$2000 donation was made to the NEED scholarship. And (3) a \$6,000 contribution was made for student activities. The rest of the budget accounts for \$3500 in expenses (publications, awards, meeting costs). The total budget for 2004 is therefore \$29,457.

While our balance at the end of 2004 is estimated to be around \$64,000, we recognize that future income for the Division from meetings such as the Utility Working Conference, ICAPP, and the National ANS meetings

cannot be guaranteed. Accordingly, caution and prudence are the watchwords for the next year.

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We represent utilities, vendors, consultants, government agencies, universities, and much more.

On The Horizon By Mark Reinhart

Helen Keller once received a poignant remark: "There could be no worse disability than lack of sight."

Her reply was profound: "It would be worse to have sight but no vision!"

