



Go Nuke!

A newsletter from the North American Young Generation in Nuclear

October 2005

- A Presidential Moment for the Young Generation **Page 1**
- NA-YGN Make Some Noise in Mississippi **Page 3**
- UK Young Generation Network **Page 4**
- ANS Young Members Group **Page 6**
- NA-YGN is back in DC! **Page 8**
- The Snoop **Page 9**
- The First WNU Summer Institute **Page 2**
- Core Responds **Page 3**
- Local Chapter Update **Page 5**
- Rejuvenated Local Chapter **Page 7**
- 2006 IYNC Update **Page 8**
- Taking it to the Press **Page 9**

A Presidential Moment for the Young Generation

By Tom Corder

Photo By: Andy McNeil

In June, a historic event occurred in the nuclear industry. Many Americans watched on television, others read about it in local newspapers, or heard it being discussed at the water cooler. Some of us were given the opportunity to view it in person. If you haven't heard about it yet, where have you been?

On June 22, President George W. Bush became the first sitting president to visit a nuclear power plant since 1979. This 26 year drought is literally a lifetime for many of us in the young generation. For the few Constellation employees at Calvert Cliffs Nuclear Power Plant who were able to receive tickets for the Presidential Address, it was an opportunity of a lifetime.

Marine One delivered President Bush to Calvert Cliffs Nuclear Power plant at approximately 9:30am. Three Constellation executives met President Bush and escorted him via limousine to the machine shop adjacent to the turbine deck. President Bush was issued the proper personal protective equipment, was escorted across the turbine deck and entered the Calvert Cliffs Control Room. While there, President Bush posed for pictures and answered questions.

After finishing his tour of the control room, Secretary of Energy Samuel Bodman introduced President Bush on the nationally televised address. The 30-minute speech covered the many different



**President George W. Bush
And
Secretary of Energy Samuel Bodman**

policies the President's administration is currently working on. He discussed the energy policy, social security and the war in Iraq. All of these topics were of great interest to the audience, but for the readers of GoNuke! I'll just describe his comments on nuclear.

The most exciting aspect of the President's address was when he described his confidence in safe, clean, nuclear power and how the United States should begin building new nuclear power plants. He said, "In the 21st century, our

nation will need more electricity, more safe, clean, reliable electricity. It is time for this country to start building nuclear power plants again."

This is definitely a step in the right direction. If you have an opportunity to review the transcript of the President's speech (<http://www.whitehouse.gov/news/releases/2005/06/20050622.html>), I suggest you do so. It may not be as exciting in print as it was to hear in person, but new nukes are on the horizon and powerful people are taking note.

The First World Nuclear University Summer Institute

By Edward H. Klevans and Deborah R. Klevans, Coordinators of the WNU Summer Institute.

The 2005 World Nuclear University Summer Institute was held in Idaho Falls, Idaho. It was designed to provide a unique educational experience aimed at building future global leadership in nuclear science and technology from among promising young professionals and graduate students. The Institute was hosted by the Idaho Universities, the Idaho National Laboratory (INL) and the Center for Advanced Energy Studies (CAES). The 77 WNU Fellows from 34 countries were selected from 146 applicants. Twenty-five per cent were women. The group represented 65 different organizations and nearly half had or were pursuing a PhD. The average age was 30.



The program included lectures on 25 topics by an international faculty of 52 representing 15 different nationalities. In addition, seven leaders in nuclear and related fields presented a series of Lectures on Nuclear Leadership. Components of the program that promoted teamwork, fostered interpersonal relationships and stimulated intellectual development included team-building activities and weekly review sessions to share differing perspectives and discuss major ideas presented by the faculty. The Fellows prepared case studies on nuclear law, safety culture, nuclear operations and public communication. They also worked on small teams to complete a final project on a significant nuclear issue with international implications. This opportunity for self-directed intensive teamwork included preparation of formal presentations and written reports that were

delivered near the conclusion of the Institute. A live videoconference enabled staff from the International Atomic Energy Agency in Vienna to view the presentations and ask questions. There also were field trips, including two to nearby Idaho National Laboratory sites, and one to the proposed Yucca Mountain Waste Repository. Receptions, informal social and recreational activities, and weekend trips to explore nearby sights helped strengthening relationships among Fellows, mentors, presenters and other Institute participants.

Eight experienced, internationally diverse senior level professionals in the nuclear field served as mentors. As mentors, they were responsible for meeting regularly with groups of Fellows from different countries and serving as resources to the final project teams.

Two of the many benefits the Fellows particularly appreciated during this “life-changing experience” were:

- Developing close professional relationships and personal friendships with international peers in the nuclear field
- Obtaining a broad global perspective on many aspects of the nuclear field with which they were unfamiliar.

Next year’s WNU Summer Institute will be held in Sweden and France from July 8 to August 18, 2006. Go to the http://world-nuclear-university.org/html/summer_institute for information.

Go Nuke! Editor: Peter Capacarra
Go Nuke! Layout Editor: Elizabeth McAndrew

NA-YGN Makes Some Noise in Mississippi

On Monday, June 27, NA-YGN members Bill Casino, Kelly Taylor, and PI Chair, Michael Stuart traveled to Mississippi to help support pro-nuclear activities surrounding the NRC Draft Environmental Impact Statement meeting for possible expansion of the Grand Gulf site.

Their schedule was packed with activities, including live TV and radio interviews, speaking to newspaper reporters and members of the public, and ultimately a holding a pro-nuclear rally on the steps of the state capitol entitled, “The Clean, Green Power Machine” (a phrase coined by Mississippi governor Haley Barbour).



George Williams, Site VP of Grand Gulf introduced speakers to the news media, bystanders, and about 80 cheering supporters. Among the speakers were:

- Jim Reinsch, President of ANS and Bechtel,
- Amelda Arnold, Mayor of Port Gibson,
- Norris McDonald, President of the African-American Environmentalists Association,
- Michael Stuart, PI Chair, NA-YGN,
- James Miller, Claiborne County Administrator,
- Scott Peterson, Vice President of Communications, NEI.

Later that evening, the NRC meeting was held in the midst of overwhelming pro-nuclear support. One thing is clear: people in Mississippi want to be first in line for new nuclear construction in the U.S.

Core Responds!

Dear Core,

I'm a young professional working at Cameco who recently attended the World Nuclear University Summer Institute. I was excited to hear that there was a group such as NA-YGN in existence and I'm interested in starting a local chapter at my company. I was wondering what is the purpose of having a Management Sponsor for a local chapter.

Regards,
Simon Reid
Cameco

What a wonderful question! With so many new chapters of NA-YGN popping up all over North America this question will hopefully help many new chapters.

The purpose of having a Management Sponsor is to have an ally within your organization. Starting a local chapter needs a number of different ingredients to make it successful including buy-in from your home organization. In many cases, in order to make it over the initial hurdles, you'll need a bit of company political gears to be greased so that you can have group meetings, convince members that the company approves of this organization, and to receive funding. All of these items can seem daunting for a young professional if he/she does not have someone in management already designated to give help and advice about these topics. Having a management sponsor is a way to ensure that your local chapter has the ear of management and this practice has been noted by many successful local chapters of NA-YGN to be beneficial.

Elizabeth McAndrew – Communication Chair

International Young Generation

UK Young Generation Network

The British Nuclear Energy Society Young Generation Network (BNES YGN) was established in 1996 to represent members of the nuclear industry under the age of 37. Since that time we've developed an organization with ~380 members (1/3 of the BNES membership), which includes a core committee of 17 and a corresponding committee of 17!

As with all YGN's within Europe, we've closely aligned our objectives to that of the European Nuclear Society (ENS) and are committed to promoting knowledge across broad perspectives of the nuclear industry and transferring the knowledge between generations. To do this the BNES YGN is involved in undertaking its own seminars, contributing to BNES conferences and supporting all local branches (as well as running a few!). To give you a little taster of the UK YGN events:

Reactor Seminar

A 3-day seminar focusing on the cradle to grave lifecycle of reactors with a full day spent at the last remaining civil research reactor, CONSORT, Imperial College.



Finland Technical Tour

The Finnish YGN hosted a tour of power plants (including the new EPR) and storage facilities within Finland. This followed a visit from the Finnish to the UK in 2005.



YGN members in Rauma including Chair 2004, Stewart Lynas, with ENS YGN Chair Kim Dahlbacka in the background.

Rough Guide

Our 2-day introductory seminar to the industry, based at Sellafield and supported by BNFL, this event provides a firm basis for developing knowledge on nuclear legacy wastes and their management.

The BNES YGN also supports the ENS YGN in all their activities and attends the core committee meetings. A party of 9 delegates also attended the inaugural YG Forum in Zagreb, Croatia, which celebrated 10 years of the ENS YGN.

In 2006, the BNES YGN will be celebrating their 10th birthday and plans are already underway to celebrate in style in October 2006. All YGN members are welcome and we'd love to see NA-YGN members attend.

So to end, the BNES YGN has achieved a lot over the last ten years, with the past couple of years seeing the profile of the YGN and its members increasing. If you want to find out more about what we've done and will be doing then have a look on our website <http://www.ygn.bnes.com/> or contact the Chair at ygn-chair@ygn.bnes.com

Becky Ferris
BNES YGN Co-Chair

Local Chapter Updates!

Progress Chapter Kicks Off!

The new Progress Energy North American Young Generation in Nuclear (NA-YGN) group held its first official meeting on Sept. 28. The meeting, held in downtown Raleigh at Hi-Five restaurant, was attended by employees from Progress Energy's corporate headquarters and Harris employees in Engineering, Operations, Communications, Maintenance and Management.

Scotty Hinnant, Progress Energy's chief nuclear officer, served as keynote speaker at the meeting. Hinnant spoke about his personal experiences during the construction of the Harris Nuclear Plant and shared his thoughts on the unique learning opportunity that would be provided if employees had a chance to be involved in the process of constructing and operating a new nuclear unit. He encouraged NA-YGN to use its resources to make a positive impact on the plant and on the surrounding community.

NA-YGN scheduled a professional development luncheon for October 20. All employees were invited to attend.



Mike Matheny, Dan Maley, Scotty Hinnant, and Philip Cooper enjoying the night

NA-YGN Canada Update



The Bruce Branch had a very successful charity golf tournament on September 10. Over 50 YGNers came out and had a great time, and over \$1300 CDN was raised for a local charity. The Bruce Branch is planning a series of professional development seminars to be held in the first half of 2006.

Our two new Canadian branches (Nuclear Safety Solutions in Toronto and OPG in Durham) are building momentum and preparing their plans for the next year. YGNers at Cameco in Port Hope and AECL in Chalk Rives (both in Ontario) are taking action to start a new branch.

The NSS branch has a social event planned for December, and are designing their program for 2006 based on the results of their survey at their kickoff meeting.

The OPG branch is developing their charter and is preparing a recruitment drive. The OPG Branch has already had its first public event: they co-hosted a "Lunch and Learn" session with the local Women in Nuclear chapter at Pickering.

Diablo Canyon Update

To the normal onlooker, the ocean may seem too large, deep, or maybe mysterious to hop on a kayak and venture out into the water. It was not so for a few members of the DCPN NA-YGN Section along with family and friends. We departed from a sandy shoreline in Shell Beach, California and tackled the first obstacle of the day: waves. Fortunately, everyone paddled hard and made it through without any swimming involved.



We paddled along the coastline observing the local wildlife and scenery. Curious seals kept a close watch as we cruised by, while an idle sea otter hardly noticed our presence. After traveling a comfortable distance we had reached our destination, Dinosaur Caves. With such great conditions, we were able to enjoy most of the caves ranging from small holes with just enough room to squeeze a kayak through, to overwhelming domes, large enough to contain a three story building. After two and a half hours of touring the coastline, we called it a day and surfed a wave in to the beach where we began.

ANS's Young Professionals Congress

A premier opportunity awaits you on Saturday, November 12th in Washington D.C.!

The first-ever bi-annual ANS Young Professionals' Congress, organized by the newly-formed ANS Young Members' Group (YMG) and the NA-YGN, will be taking place at the Omni Shoreham Hotel, right before the ANS Winter Meeting begins on Sunday 13th.

The YMG was formed in June 2005 and includes all ANS members who are under the age of 36 or that have graduated within the last 5 years. Part of the YMG mission is to encourage its members to get engaged in the society at all levels. The YMG will also become the official liaison between ANS and NA-YGN, thus enabling a mutually beneficial relationship that will allow both organizations to better serve the needs of young professionals. The YMG will sponsor and organize sessions within ANS meetings or as stand-alone events to specifically address the non-technical professional development needs of young professionals and their employers (such as communications, knowledge management, networking, etc).

Every odd-numbered year, the YMG will also sponsor the Young Professionals' Congress, to be held on the Saturday preceding the ANS Winter Meeting. The Congress will focus on non-technical professional skills and discussion of challenges facing young professionals entering the workforce, but will also serve as an introduction to opportunities for young professionals available within the ANS.

This year's Congress, "A Hitchhiker's Guide to a Career in Nuclear," will feature the following exciting topics:

- * "Pulling back the curtain: how does ANS work?" If you are new to the world of ANS, we'll unravel the mysteries and help you explore this dynamic entity!
- * "How do international young professionals stay involved?" Join us for this unique benchmarking opportunity to hear from other young professionals from around the world.
- * "Hot topic: Nuclear's role in the 'hydrogen economy'" Find out what all the buzz is about hydrogen energy and learn how this will impact the future of the energy industry.
- * "How can *I* get involved and stay involved?" There's an overwhelming amount of industry resources out there, but what's right for you? This session will help you decide and allow you to share your own ideas.
- * Three interactive breakout sessions, allowing for energetic discussions and hands-on experience: (1) Techniques of time management, (2) Building collaborative relationships, and (3) Talking about nuclear to our neighbors and friends.

If all that was not enough, you will also have the opportunity to interact with your peers during breakfast, lunch and the various breaks. And plenty more networking opportunities will be available, during the evening social hosted by NA-YGN! Register online to attend this groundbreaking event (<http://www.ans.org/meetings/winter/registration/>) and make history with us! If you have any questions or need further information, contact David Pointer, the Chair of the YMG (dpointer@inl.gov).

Diablo Canyon YGN Checks In!

By: Anne Shatara-West

We all know the feeling... it starts with a tingling in the fingers and toes; soon your eyelids start to droop; then the inevitable head-nodding cycle. A boring meeting, oh cruel fate!

When Diablo Canyon (DCPP) NA-YGN members Anne Shatara West (NA-YGN Treasurer) and Meagan Wilson (DCPP YGN Community Outreach Lead) attended the NA-YGN Professional Development Workshop in May 2005, they came back inspired to revitalize the once-lagging DCPP YGN section. No more sleepy eyes and head-nods in our meetings –the excitement is building in DCPP YGN. And with an unprecedented influx of chapter activities and opportunities, there is good reason for the excitement.

With new executive advisor Donna Jacobs (DCPP Vice President of Nuclear Services), DCPP YGN is charging ahead with newfound opportunity for budget approval and management recognition. To take full advantage of the budget and opportunities in the coming year, our chapter has redefined our mission and section goals. The new mission statement presents four major objectives for the upcoming year: provide professional development opportunities, enhance recruiting and retention of young professionals, promote communication and involvement with the public, and organize meetings or events to facilitate networking amongst young nuclear professionals.

Sound like fun? Our chapter thinks so. Participation is rising and we are seeing a wave of new ideas for activities. We're putting our objectives into action! Four program committees have been established to drive the group's major objectives for the next year.

Meagan Wilson is leading the Public Interaction program, which is a means to promote nuclear science and technology in public forums. Anne Shatara West is heading the "YGN STARS" committee to promote networking within peer groups at our partner plants. The professional development committee, led by Nathan Barber, promotes opportunities available to nuclear professionals and

assists YGN members with the development of both technical and soft skills. And for those disoriented new-hires, chapter treasurer Sergio Santiago is heading the recruiting/retention committee to promote a welcoming environment for new employees at DCPP.

These last few months have been a refreshing time at DCPP YGN. After three years of lagging along with a semi-interested group, we are finally turning the wheels of change. Do you have any ideas that could further our effort, or would you like to promote a similar change in your section? We'd love to be in contact! Feel free to drop DCPP a line to shatara@na-ygn.org!

IYNC 2006

www.iync.org

IYNC2006 will be held June 18-23, 2006 in Stockholm, Sweden. The Technical Programme of the Congress consists of four scientific tracks with technical presentations, keynote speakers, panel sessions and workshops.

Draft Papers Due: January 15, 2006
Early Registration: March 1, 2006
Review Due: March 15, 2006
Final Papers Due: March 31, 2006

Go Nuke! Facts of the Quarter!

Fact # 1 In 2004, China graduated 325,000 engineers - five times the number of U.S. engineering graduates.

Fact # 2 US utilities are eligible for \$2 billion in risk insurance divided among the first six utilities who decide to build new nuclear power plants.

NA-YGN is back in DC! NA-YGN is back in DC!

Hey NA-YGN Members, yeah, we're talking to you! Why? We want you to come check out NA-YGN at the ANS 2005 Winter Meeting!

All members, friends and colleagues are invited to participate in several key activities before and during the 2005 ANS Winter Meeting in Washington D.C. depending on what you're craving starting November 12th through November 17th. What's going on??

- ✓ **Saturday, November 12th**, NA-YGN is co-organizing the **1st ANS Young Professionals Congress!** Check out page 6 for more details.
- ✓ **Saturday, November 12th**, Come join this social reception at 7:00pm @ Mantis. Sponsored by Westinghouse Electric Company!
- ✓ **Tuesday, November 15th at 10:00 am**, come to our NA-YGN session sponsored by OPD: **Bringing Value to the American Nuclear Society: The Employer's and Young Professional's Perspective-Panel**. This discussion will be lively and promises to provide a dynamic set of perspectives as well as an opportunity to share ideas.
- ✓ **Tuesday, November 15th**, @ 7:00pm, at Brickskellers, The DC Metro local chapter is organizing an exciting social for all of us to enjoy!
- ✓ **November 16th at 8:30 am**: Join our very own Dave Pointer, VP of NA-YGN to listen to the topic, **Focus on Communications: Meet the Media-Panel**
- ✓ **NA-YGN Booth at the Expo**: If you're searching for NA-YGN members and/or events, it's always best to stop at this booth. Better yet - help volunteer and spread the word about NA-YGN and its value as a member and to your respective organization! To volunteer, contact Mike Stuart at stuart@na-ygn.org

To register for the meeting, please check out the ANS website: www.ans.org. For additional questions about NA-YGN related activities during the meeting, please contact Amy Buu at buu@na-ygn.org. We can't wait to see you there!!



The 2006 International Youth Nuclear Congress (IYNC 2006) is fast approaching.

Established in 2000, the primary purpose of the Congress is to transfer knowledge from the current generation of leading scientists and engineers to the next generation. Scientific, political, public and corporate views regarding the development of different nuclear issues are presented at meetings of the IYNC to provide comprehensive discussions on all sides of nuclear science and technology. Since it is the youth that will go on to deal with all nuclear prospects and challenges in the future, open and candid commentary from this younger generation is encouraged.

IYNC 2006 will be held on 18th–23rd June in Stockholm, Sweden. The Technical Program of the Congress consists of four scientific tracks with technical presentations, keynote speakers, panel sessions and workshops. The comprehensive Technical Program will also include a visit to Olkiluoto, Finland to see the first European Pressurized Reactor (EPR) under construction and a deep geological repository for spent fuel. Don't miss this opportunity to join the network of young nuclear professionals that is actively working to form its own future!

IYNC 2006

Go Snoop!

Bret Hoefen, 2004 President of the Calvert Cliffs Local Chapter, recently moved to Ginna Nuclear Station in Upper New York State. This move provided a wonderful new opportunity for Bret and helped to take the NA-YGN world to another plant! Congratulation and thank you for your continued dedication to NA-YGN.

Brian Mays of AREVA recently moved to France.

Bret Williams, Current Canadian Affairs Chair of NA-YGN, has recently changed jobs. He's been reassigned as the Configuration Controller / Responsible System Engineer for the Bruce B Training Simulator

Lawanda Chisolm of Westinghouse was recently elected ANS Chair for the local ANS Chapter in South Carolina.

Lisa Stiles-Shell, Current President of NA-YGN, is on a 2-year rotation working at NEI.

Taking it to the Press

By Anne Shatara-West

After attending the annual NA-YGN conference, our own Anne West was inspired to take the message home and take action. "When I read (Alliance for Nuclear Responsibility executive director) Rochelle Becker's viewpoint (published in The Tribune on May 30), I thought, "This is the perfect opportunity," says the Diablo Canyon health physicist and NA-YGN treasurer. Her piece, "Nuclear Power Needed As We Fight the Effects of Global Warming," appeared on page B-8 in the June 6 issue of the San Luis Obispo paper.

Anne drafted a letter to the editor with the aid of her more experienced colleagues and submitted it within 36 hours. Due to the length of the submission (greater than the 200 word maximum) usually accepted for letters to the editor publications, Anne's piece was run a week after the original letter and received a half page of the newspaper. "(The editor) didn't change anything," she reports. Instead he asked Anne to shorten it slightly and decided to publish it as a full article.

The reaction from her plant colleagues has been unbelievable. People she only said hi to in the halls have stopped her and thanked her for writing the piece. Directors and Vice Presidents of her company have called, and even visited her cubicle (not the easiest to find), to thank her for her well written piece and encourage her to continue such work.

"I did not expect people to thank me; I thought maybe one or two might mention they read it. I didn't realize so many people knew my name and my face," said West.

Diablo Canyon's internal newsletter ran an article on Anne's letter to the editor to draw attention to this form of public discussion and encourage other plant employees to follow suit.

It should be noted three days after Anne's article was published a response came from a member of an anti-nuclear group trying to discredit her by listing her affiliation with her employer, NEI, and ANS. It even cited she moderated a panel on local involvement at the NA-YGN conference! In response West says, "This reader could not refute my facts, so he attempted to challenge my credibility. In my opinion, listing my affiliations makes me more credible."

EVENTS

National and International Events

October 15, 2005 International Young Nuclear Congress Paper Submission

www.iync.org

November 5-11, 2005 ASME International Mechanical Engineering Congress & Exposition Orlando, Florida

www.asme.org

November 12, 2005 ANS Young Professionals Congress Washington, D.C. www.ans.org

November 13-17, 2005 ANS Winter Meeting and Nuclear Technology Expo Washington D.C. www.ans.org

February 22-23, 2006 CNS Nuclear Industry Seminar 2006 Ottawa, Ontario

www.ona.ca

May 16-17, 2006 NA-YGN Annual Workshop San Francisco, CA www.na-ygn.org/pd

June 4-8, 2006 ANS Annual Meeting Reno, NV www.ans.org

June 11-14, 2006 Canadian Nuclear Society (CNS) Conference: Nuclear energy – A World of Service to Humanity, Toronto, Ontario Canada

www.cns-snc.ca/home_eng.html

June 18-23, 2006 International Young Nuclear Congress Stockholm, Sweden

www.iync.org



Young Generation
P.O. Box 10014
La Grange, IL 60525