



# Trinity Section American Nuclear Society



ANS Trinity Section, PO Box 5367, Albuquerque, NM 87185

Spring 2015

<http://local.ans.org/trinity/>



## Nov 2014 Dinner Meeting

The 7 Nov 2014 ANS Trinity Section dinner meeting at the Courtyard by Marriot, Santa Fe, NM, was a joint meeting with our colleagues from the Southwest Regional Chapter of the Institute of Nuclear Materials Management (INMM). Our speaker was Dr. Brian D. Boyer, International Safeguards Project Leader, Nuclear Engi-

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## Feb 2015 Dinner Meeting

The 20 Feb 2015 ANS Trinity Section dinner meeting at the Courtyard by Marriot, Santa Fe, NM, was a joint meeting with our colleagues

from the Rio Grande Chapter of the Health Physics Society (HPS). Our speaker was Joetta M. Goda, Advanced Nuclear Technology, Nuclear

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## Renew Section Membership

It's membership renewal time! All renewals after 1 Nov run through the following calendar year. Annual dues are \$15. Student and Emeritus members do not need to pay dues, but we still ask everyone to complete a Membership Form (see our "Join" page) to confirm your contact information. At the bottom of the form, please tell us about your interests in the Section and provide any suggestions you may have for future programs and activities.

## Executive Committee Vacancy

We need a candidate for the position of Vice-chair/Chair-elect for the 2015-16 elections. Occupant automatically becomes chair after 1 year. If you or a colleague are interested, please contact any current Executive Committee member (see list below).

## Los Alamos Engineering Council Community Service Award

The 2nd annual Los Alamos Engineering Council (LAEC) Community Service Award was present-



ed to Bill Flor, Trinity Section Vice-Chair/Chair-Elect, on 25 Feb 2015. The award is based on the following criteria: high impact on local activities over several years, involvement with the local section for a long time as an officer or volunteer, involvement in recruiting or mentoring of new chapter officers, and performing outreach to the community about engineering or engineering societies. The LAEC member organizations include: ASM, LANL, INCOSE, Trinity Section ANS, IEEE, and ASME.

## UNM Student Section Update

The ANS-UNM Student Section continues to be busy doing outreach activities, presenting research, and holding social events for student nuclear engineers. The current president, Mario Ortega, along with his officers are currently preparing to send approximately 25 students to the 2015 ANS student conference at Texas A&M. Students at UNM will be presenting their research, design projects, and attending workshops to



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## Student Scholarships Awarded

Two student scholarships of \$500.00 each were awarded during the May 2014 dinner meeting at the National Museum of Nuclear Science & History. The 2014 recipients were Danielle Redhouse and Patrick O'Rourke. Danielle and Patrick were selected based on their academic achievement, volunteer hours, and contribution to the UNM ANS Student Section as a whole. The 2015 scholarships will be awarded soon.



Trinity Section's current fundraising initiative is focused on being able to provide more assistance to our students, either in terms of supporting their participation in the ANS national student meetings, supporting Student Section social events, paying for expenses incurred during outreach activities, and providing several scholarships. Please see the "Fundraising" page on our web site for additional information.

## 2014-2015 Officers and Executive Committee

John Bliss, Chair ('15), (505) 665-7591, johnb@lanl.gov  
Bill Flor, Vice-Chair/Chair-Elect ('15), (505) 665-8768, wjflor@lanl.gov  
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Evelyn Mullen, Previous Past Chair ('15), (505) 665-7576, emullen@lanl.gov  
Mario Ortega, UNM Student Section President ('15), (505) 977-7860, morteg91@unm.edu  
Forrest Brown, At-large ('15), (505) 667-7581, fbrown@lanl.gov  
Erin Fichtl, At-large ('15), (505) 665-1768, efichtl@lanl.gov  
Blake Nolen, At-large ('16), (505) 664-0360, bnolen@lanl.gov  
<Vacant>, At-large ('16)  
Clell (CJ) Solomon, Jr, At-large ('17), (505) 695-8820, clell.solomon@gmail.com  
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further improve their research skills.

Outreach remains a critical part of ANS-UNM's mission, and students will be judging science fairs at Manzano Day School, presenting at career fairs at Adobe Acres and Rio Rancho Elementary Schools, and volunteering at the National Museum of Nuclear Science & History. Feedback has been positive and ANS continues to be invited to more outreach events!

The ANS-UNM Student Section wishes to thank ANS Trinity for their continued support and looks forward to continued cooperation.

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neering and Nonproliferation Division, LANL. His topic was taken directly from today's headlines: *Gas Centrifuge Technology: Proliferation Concerns and International Safeguards*. The meeting was attended by approximately 65 people. Dr. Boyer led the group on a detailed trip through the need for uranium enrichment, several methods that had been tried during and immediately after WWII, the development of the ultimate focus on centrifugal separation, and the issues raised in today's world concerning potential for diversion of product for proliferant activities. He also discussed the role of the IAEA in monitoring enrichment and proliferation activities and in providing safeguards for the international community with respect to peaceful uses of centrifuge technology.

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Engineering and Nonproliferation Division, LANL. Her topic was: *National Criticality Experiments Research Center (NCERC) Capabilities*. The meeting was attended by approximately 40 people. Ms. Goda took us on a tour of four critical assemblies: Planet, Comet, Flattop and Godiva IV and their uses and support infrastructure. She then described the move of Godiva IV from Technical Area 18 (TA-18) at Los Alamos National Laboratory to NCERC at the Device Assembly Facility (DAF), Nevada National Security Site and what was involved in its reassembly, safety, and calibration leading up to the first super-prompt burst run at the DAF in Sep 2013.