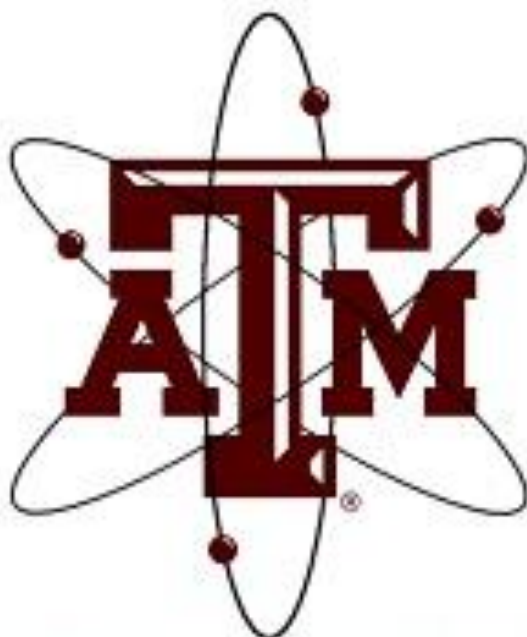


# ANS



ANS - AMERICAN NUCLEAR SOCIETY

# Glasstone Award Submission



## **Our Mission:**

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Our goal for this year of ANS was to bring in a diverse set of speakers from the Nuclear industry to inform our members about various occupations they can pursue. In addition, we wanted to provide a social network for our members so that they could make new friends and connections with other people in our major and the nuclear industry.

The officer goals were to improve the organization of Texas A&M's American Nuclear Society by updating handbooks and officer information guides to aid future officers in leading the club while maintaining strong communication with the department, directors, advisors and members in order to increase club participation and stability for years to come.

## Leadership:



Officers of 2011-2012

Secretary Chris Pannier, President Ashley Swim, Treasurer Chad O'Hagan, Vice President Michael Marini

### Officer information

President	Ashley Swim	(703) 975-6757	aswim6@tamu.edu
Vice President	Michael Marini	(281) 435-9085	mmirini@tamu.edu
Treasurer	Chad O'Hagan	(843) 437-9053	cohagan@tamu.edu
Secretary	Chris Pannier	(954) 562-5395	cpannier@tamu.edu

### Directors

Socials  
Scouting  
Outreach

Matthew Fitzmoris  
Christopher Chance  
Jordan Evans

## Corporate Guests and Recruiters:

- Mark DeHart - Idaho National Labs (INL)-
  - This was the kick off meeting for the fall semester of Texas A&M American Nuclear society. There were over one hundred students in attendance, and we were able to sell a lot of our new merchandise which we had ordered over the summer. Mr. DeHart talked about what INL does as a company and some of the different projects that they are currently working on. He spoke about applying for jobs and internships as well.



- Jeff Havlicak - Waste Control Specialists (WCS)-
  - Mr. Havlicak spoke about how WCS and their site in Texas, which is used for the storage of radioactive waste produced by universities, hospitals and other sources. He gave insight on how they design the areas where the radioactive waste is stored and the different factors they have to take into consideration such as geographic conditions, criticality safety and the fact that once it is there it won't be moved for a very long time. In addition, Mr. Havlicak talked about regulations on how the waste is stored and how WCS plans on expanding due to the high demand radiological waste storage.  
(picture to follow on next page)



- William Stackler - Reactor Engineering Manager Tennessee Valley Authority (TVA)
  - This meeting was held when the Texas A&M Nuclear Advisory Council came into town. Mr. Stackler gave a presentation on the history of TVA, what they are currently working on as a company (for example adding a unit to their Watts Bar nuclear power plant site), what they plan on doing in the future (for example MOX fuel and small modular reactors), and how the company wants their nuclear power production to surpass their fossil fuel power production in the near future. After the meeting there was a barbeque dinner and student poster session where students got to show off their research to our guest speaker and the Nuclear Advisory Council.



- Lt. McBeth - Nuclear Navy
  - Lt. McBeth is a Navy officer from the Houston area Navy recruiting office. He is a frequent visitor to our campus to talk with our students about the different opportunities which the Nuclear Navy can offer students with a nuclear engineering or radiological health degree. For his presentation he talked mostly about nuclear submarines, aircraft carriers, Bettis Labs, and opportunities to become a nuclear engineering teacher for the Navy.
- Travis Trehan - University of Michigan Graduate School
  - Mr. Trehan is a Texas A&M alumni from the class of 2008 (Whooop!). He had two parts to his graduate school presentation. The first part was explaining the benefits of a master's degree in the nuclear industry and how you can approach getting funding for a graduate degree. The second part of his presentation was about the University of Michigan and what they have to offer. He briefly discussed some of the different research focus areas and he also explained the application process for getting into graduate school.
- Harry Goodman-Entergy
  - He hired two Aggies and did interviews of several students during his visit! Entergy Is a very large nuclear company with many different locations. He talked about different opportunities that Entergy has to offer and how to get into the position you want to be in by showing different advancement tracks
- Bill Rogerson - Y-12 National Security Complex
  - Bill Rogerson brought the Y-12 moon box to show our group of students in addition to giving a talk about what Y-12 has to offer. We weren't able to squeeze anything top secret out of him, but he did speak about his department and position as Technical Application and Factory Deployment Manager as well.



## Freshmen Welcome:

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- The freshmen welcome was held on the same day and the engineering welcome. Students, upper and underclassmen, got to visit our department and learn about what the major has in store for them. After visiting our booth everyone came to a room upstairs for a quiet environment where freshmen could ask upperclassmen questions. This was also a great opportunity for our new members to get to know the people they will spend the next few years with.
- After the social and question answer session in the room, members of ANS took the new freshmen on a tour. We showed them the NUKE Lounge, told them how to get access to the computers and the code to get in. Also, secretary, Chris Pannier, showed the new freshmen the reactor that is in the basement of the Zachry Engineering Building.



## Socials:

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- **Glow in the dark party-**

- The glow in the dark party is a Texas A&M ANS annual social. For this social we eat some fried chicken, Texas toast and potato salad while enjoying the company of fellow nuclear and radiological health engineers. Everyone gets to wear glow sticks as we hit the volleyball courts at our student REC center for some friendly competition. This social is at the beginning of the year so it is a great opportunity to meet some new members in a fun environment.



- **Texas A&M vs. Missouri Tailgate-**

- This year the ANS and Nuclear Engineering Departmental Tailgate was held before and after the Missouri home football game. We all got together for breakfast burritos and mimosas before the game. Unfortunately we lost to Missouri in overtime but that didn't damper the spirits of our ANS members. After the game we continued our social with hot dogs and hamburgers while talking with some of our visiting Texas A&M Advisory Council members and our nuclear engineering faculty members.

- **Chili Cookoff-**

- The chili cook off is another Texas A&M ANS tradition. Professor Peddicord opens his home for some friendly culinary competition, where the judges are faculty members. (But not to fear, the faculty survived even the spiciest chili dishes that our ANS members could cook up). Students had the opportunity to compete on teams if they entered in the three different judging areas, chili, side and dessert.
- This year our winners were-

**Best Chili [Individual]**

- 1) Billy Duncan
- 2) Natalie Galegar
- 3) Jimmy Uhlemeyer

**Best Side [Individual]**

- 1) Lily Raabe
- 2) Michael Martin
- 3) Peter Maginot

- **Best Dessert [Individual]**

- 1) Carly Cantwell
- 2) Kendra Martin
- 3) [tie] Leigh Ann Emerson
- 3) [tie] Elizabeth Tindle

- **Best Team Overall**

- 1) Bowels of Steel
- 2) Adorable Face-Smashers
- 3) Team Awesome



- **Laser Tag Night-**
  - We rented out the party room at Grand Station, our local game and bowling place. We ate Pizza and had drinks then played 5 games of laser tag.



## **Intramurals:**

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This year we are proud to support several intramural sports teams! We have several football teams, a basketball team, a soccer team and a volleyball team that ANS members are a part of. The intramural teams are a great way for our members to make new friends and get some exercise after class. This year multiple teams advanced pretty far into the finals.

## **New Merchandise:**

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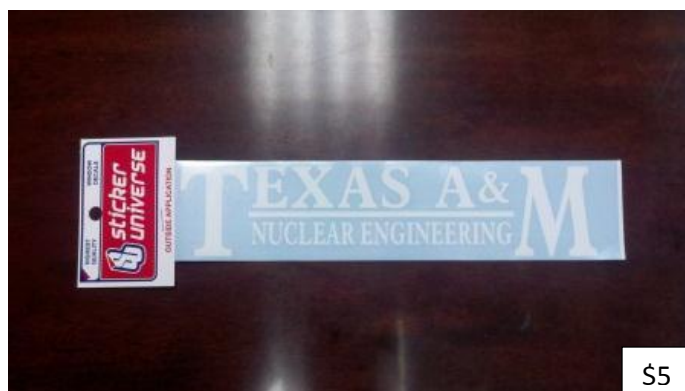
This year we got new merchandise to sell! The new merchandise consisted of ANS dry fit polo shirts, ANS pocket t-shirts, ANS intramural sports t-shirts, t-shirts with a nuclear quote on the front, Texas A&M Nuclear Engineering car decals and a lot more engineering paper with our ANS logo. The profits from selling merchandise go to support activities that our club holds, and hotel funding for ANS student and national conferences.



\$10

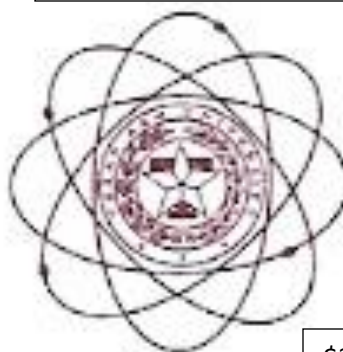


\$25



\$5

Logo on ANS Engineering paper



\$3

## ANS Conferences:

This year we were proud to have four of our students win the senior design competition! Former nuclear engineering undergraduate students Wes Deason, Daniel Eichel, Josh Hansel and Will Sames won the 2011 Senior Design Competition at the annual Winter Meeting held in Washington D.C. Their design project was titled, "Design and Analysis of a 1-MWe Transportable Heat Pipe-Cooled Fast Reactor."



(Will Sames, Daniel Echel, Josh Hansel, Wes Deasen)

This winter meeting Texas A&M ANS was proud to sponsor the hotel accommodations for 6 of our members who were able to attend the conference.

Below is a picture from the summer annual meeting that a few of our students and professors were able to attend.





Many Texas A&M ANS members attended the student conference this year. One of our members, Alison Goodsell, won a presentation award at the final banquet! In addition, this year our student section submitted a proposal to host the 2013 student conference. We didn't win the bid but we are excited to have the experience of attending next year's student conference in Boston.



## **Community Service:**

### **Scouting Program**

- Under renovation to become a scouting day camp. This means that we will be able to rent vans in order to drive the scouts to the Nuclear Science Center (NSC) for the tour of our reactor. Before this change travel was a problem for the parents of the scouts. It became complicated with all of the parents in a caravan of small cars, parents would get lost or confused on how to get to the NSC and once we got there it would take a long time to get into the security one car at a time. With this new plan in place we will be able to spend more time on the tour and less time in the car.
- The dates of our events were February 4th for the Girl Scouts and April 28th for the Boy Scouts. These events will be put on by ANS with some interaction from WiN (Women in Nuclear) for the Girl Scout merit badge. We also put on the badge program for the Boy Scouts on February 25<sup>th</sup> through Alpha Phi Omega as requested by many Boy Scout leaders who enjoyed our program.

## **The BIG EVENT**

- The Big event is a one day community outreach opportunity. This year we had three groups represent ANS because we had so many volunteers! One of the groups helped paint and lay gravel at a local daycare and the two other groups did yard work at certain houses. In Bryan/College Station.



## **Resume Building Night-**

We did resume editing and gave out information on how to interview and find the perfect internship for you. We got a lot of positive feedback after this event when people starting getting offers for jobs.



## **Budget:**

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### **Expenses:**

Conferences	\$2,414
Engineering Paper	\$1,370
Shirts	\$4,184.30
<i>Total</i>	<i>\$7,968.30</i>

### **Profits:**

Dues	\$750
Merchandise sales	\$1,616
SEC Award	\$600
Glasstone Award	\$100
Local sponsorship	\$150
Navy Sponsorship	\$1,000
<i>Total</i>	<i>\$4,216.00</i>

**Current Account Balance:**    \$8,481.57

*Note: Eventually we expect to earn all of our merchandise purchases back through sales and profit from that expense over time.*

## **New Developments:**

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- We have added a new way for our sponsors to be recognized on our ANS webpage [ans.tamu.edu](http://ans.tamu.edu). We hope that this change will encourage sponsorship for our club in the near future.
- Texas A&M ANS has also become a mentor for the University of Texas at Arlington ANS.