



**American Nuclear Society**

# 2016

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## Honors & Awards Recipients

### **ANS Annual Meeting**

June 12-16, 2016

Hyatt Regency New Orleans

New Orleans, LA





# American Nuclear Society

## ANS Opening Plenary Session Awards

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Monday, June 13, 2016

8:00 am–11:30 am

Empire AB

### AWARD RECIPIENTS

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#### **Presentation of Awards**

Steve Zinkle

Honors and Awards Committee

#### **ANS Fellow Awards**

**Henry DeWolf Smyth Nuclear Statesman Award**

Honors and Awards Committee

**Arthur Holly Compton Award in Education**

**Landis Young Member Engineering Achievement Award**

**Mishima Award**

**W. Bennett Lewis Award**

**Fuel Cycle and Waste Management Lifetime Achievement Award**

**Fuel Cycle and Waste Management Division Significant Contributions Award**

**Don Miller Nuclear Instrumentation, Control and Human-Machine Interface Technology Award**

**Walter H. Zinn Award**

## ANS Fellows

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*Presented to:*  
**Mark DeHart**

For his transformational methods development work advancing high fidelity spent fuel characterization in support of burnup credit initiatives, ultimately enhancing these methods to provide rigorous lattice physics capabilities. This development was accompanied by extensive validation efforts and eventual coupling with PARCS and TRACE eventually NESTLE for core follow calculations.

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*Presented to:*  
**Temitope Taiwo**

For outstanding contributions to the development of reactor analysis methods and tools, insightful evaluations of innovative reactor designs and fuel cycle options, and leadership of major national and international cooperative efforts to advance the design and performance of nuclear reactor and fuel cycle systems.

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*Presented to:*  
**Terry Todd**

For his outstanding achievement in his work in chemical separation and isolation of important actinides and other radioactive materials. This has won him national and international recognition. Related to this work in his leadership in designing and directing the separations laboratory at INEL and his education of many younger researchers in these innovative methods. Dr. Todd is essentially the inventor of modern separations methods, the methods that he pioneered are used throughout the world.

## Henry DeWolf Smyth Nuclear Statesman Award

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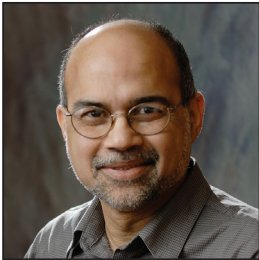


*Presented to:*  
**Peter B. Lyons**

For outstanding and statesmanlike contributions to the major aspects of nuclear energy activities in the United States and around the world over the past 30 years including serving as Science Advisor to Senator Pete Domenici, Staff Member on the Senate Energy and Natural Resources Committee, NRC Commissioner, and Assistant Secretary of Nuclear Energy.

## Arthur Holly Compton Award

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*Presented to:*  
**Rizwan Uddin**

For his commitment to advancing the quality and impact of nuclear engineering education, and to engaging students through innovative teaching styles and techniques.

## Landis Young Member Engineering Achievement Award

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*Presented to:*  
**Kurt A. Terrani**

For his technical accomplishment in the emergent area of accident tolerant fuels, combining analytical analysis of new fuel forms on reactor performance to guide fuel development.

## Mishima Award

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*Presented to:*  
**Brian Wirth**

For seminal contributions to computational multiscale modeling of radiation-induced degradation of nuclear fuels and structural materials in light water reactors.

## W. Bennett Lewis Award

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*Presented to:*  
**Pablo Mulás**

In recognition of his contributions to sustainable energy, advancing safe and environment-friendly nuclear fission energy through his leadership and untiring efforts during a lifelong career in teaching and research.

## Fuel Cycle and Waste Management Lifetime Achievement Award

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*Presented to:*  
**Benard Boullis**

In recognition of his significant and sustained leadership and contributions to reprocessing technologies and nuclear fuel cycle innovation that have significantly advanced the scientific, engineering, societal, and regulatory aspects of the nuclear fuel cycle and the nuclear waste management mission.

## Fuel Cycle and Waste Management Division Significant Contributions Award

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*Presented to:*  
**Robert Jubin**

In recognition of his leadership and accomplishments in the area of nuclear fuel reprocessing and radioactive waste treatment technologies that have significantly advanced the scientific, engineering, societal, and regulatory aspects of nuclear fuel cycle and nuclear waste management.

## Don Miller Nuclear Instrumentation, Control and Human-Machine Interface Technology Award

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*Presented to:*  
**Arndt Lindner**

In recognition of his lifelong commitment and contributions to all sectors of instrumentation and control in nuclear energy.

## Walter H. Zinn Award

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*Presented to:*  
**Regis Matzie**

For his career-long commitment to nuclear energy in global development activities, and accomplishments in support of the advancement of nuclear science and technology.



# American Nuclear Society

## ANS President's Special Session Awards

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Monday, June 13, 2016

4:30 pm–6:30 pm

Empire A

### AWARD RECIPIENTS

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#### **Presentation of Awards**

Gene Grecheck

ANS President

#### **Presidential Citations**

#### **Outgoing President Appreciation**

#### **Samuel Glasstone Recipients**

#### **ANS Scholarship Recipients**

#### **Alpha Nu Sigma National Honor Society**

## Presidential Citations

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*Presented to:*  
**Darby S. Kimball**

For exceptional contributions to the continuing success of ANS, through her work on the Finance Committee, as well as the Board of Directors. She has demonstrated exemplary leadership in establishing an updated Investment Policy, as well as the development of new policies for enhancing inclusiveness in ANS activities.

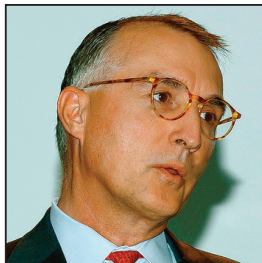
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*Presented to:*  
**Stephen E. Kuczynski**

For outstanding leadership in the engagement of nuclear power operating companies with innovative nuclear reactor concepts, setting the stage for potential future deployment of advanced reactors by the nation's power companies.

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*Presented to:*  
**Edward D. Kee**

For outstanding service on behalf of the ANS Special Committee on Nuclear in the States. His contributions to the development of state options were central to the success of the Committee's Toolkit, providing crucial support to the effort to recognize the value to the nation of our currently operating nuclear power units, and to prevent their premature retirement.

# Presidential Citations

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*Presented to:*  
**Nicholas Thompson**

For outstanding service on behalf of the ANS Special Committee on Nuclear in the States. His contributions to the analysis and communication of the impacts of the EPA Clean Power Plan on an individual state basis were instrumental in presenting the necessity of maintaining the present fleet of nuclear power units in operation.

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*Presented to:*  
**Daniel J. Curtis**

For outstanding service on behalf of the ANS Special Committee on Nuclear in the States. His contributions to the analysis and communication of the impacts of the EPA Clean Power Plan on an individual state basis were instrumental in presenting the necessity of maintaining the present fleet of nuclear power units in operation.

## Outgoing President Appreciation

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*Presented to:*

**Eugene S. Grecheck**  
**President 2015-2016**

For outstanding leadership and dedication during his term as President of the American Nuclear Society (ANS). During his term, Eugene Grecheck played a highly influential role in building the international presence of the ANS through his involvement leading up to, during and after the 21st Conference of the Parties to the UN Framework Convention on Climate Change (COP21) in Paris, France. His activities helped to ensure that nuclear energy would be part of the COP21 portfolio of climate change solutions. After Paris, he traveled extensively to deliver this message to Society members, the public and key government officials. For this and other contributions to ANS and the nuclear community it represents, we thank Eugene Grecheck for his service.

## Samuel Glasstone Award

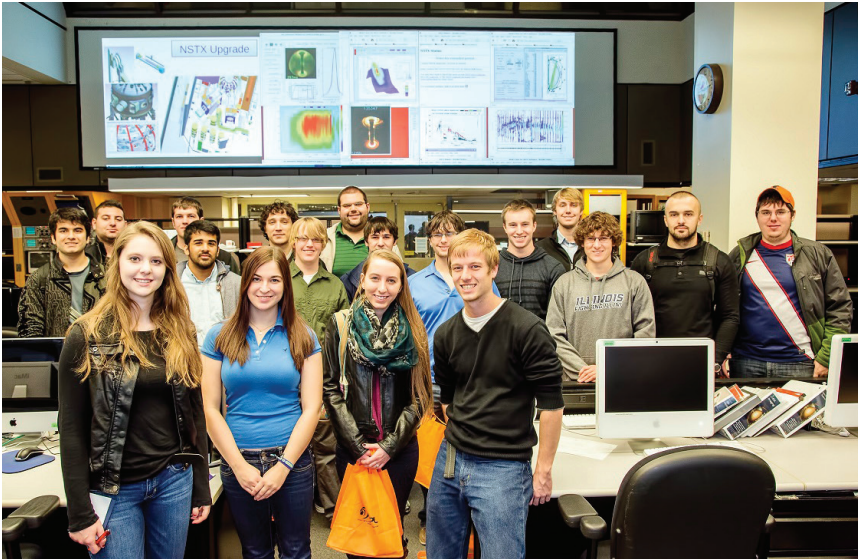
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The Samuel Glasstone Award recognizes an outstanding Student Section of ANS that have accomplished notable achievements in public service and the advancement of nuclear science and engineering.

This year's Samuel Glasstone Award winner is:

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### University of Illinois Student Section



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Honorable mentions were also awarded to:

- University of Florida Student Section
- University of Wisconsin – Madison Student Section

## Scholarship Recipients 2016-2017

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### **INCOMING FRESHMAN CATEGORY**

Will Fox – La Costa Canyon High School  
Warner McGhee – Patrick Henry High School  
Matthew Midea – Mt. Lebanon High School  
Nicholas Osmond – North Hills High School

### **UNDERGRADUATE CATEGORY - Sophomore undergraduate**

Manfred Virgil Ambat – University of California, Berkeley  
Cody Andrew Barrie – Utah State University  
Austin D. Mullen – University of Tennessee, Knoxville  
Zachary W. Pickering – Utah State University

### **UNDERGRADUATE CATEGORY - Junior/Senior Undergraduate**

Matthew Cole Abernathy – Texas A&M University  
John Tyler Askew – University of Florida  
James Broderick – Utah State University  
William Christopher Dawn – North Carolina State University  
Gabriel DeCaro – North Carolina State University  
Rebeka Saige Gottfried – North Carolina State University  
Austin Grandizio – Penn State University  
Zhuoran Han – University of Michigan  
Shane C. Henderson – North Carolina State University  
Addison F. Lange – Purdue University  
Chase D. Lawing – North Carolina State University  
Megan A LoMonaco – North Carolina State University  
Garon Levi Morgan – Virginia Commonwealth University  
Eric Waggoner Nelius – University of Tennessee  
Ivana Radovanovic – University of Florida  
Joshua David Rasmussen – Utah State University  
Gavin Ridley – University of Tennessee, Knoxville  
Peter D. Tancini – University of Pittsburgh

## Scholarship Recipients 2016-2017

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### **Angelo F. Bisesti Memorial Scholarship**

Olin William Calvin – University of Florida

### **Joseph R. Dietrich Memorial Scholarship**

Evan Leppink – University of Michigan

### **Raymond DiSalvo Memorial Scholarship**

Daniel O'Grady – University of Illinois, Urbana-Champaign

### **William R. & Mila Kimel Nuclear Engineering Scholarship**

Trent Lai – Brigham Young University

### **Robert G. Lacy Memorial**

Aaron T. Guckenberger – University of Wisconsin-Madison

### **John R. Lamarsh Memorial Scholarship**

Colby K. Searle – Utah State University

### **Robert T. (Bob) Liner Memorial Scholarship**

Dustin R. Popp – University of Florida

### **Hans P. Loewen Memorial Scholarship**

Michael Martin – University of California, Berkeley

### **Accelerator Applications Division Scholarship**

Samantha H. Michael – North Carolina State University

### **Decommissioning and Environmental Sciences Division Undergraduate Scholarship**

Kathryn Ann Mumma – University of Illinois,  
Urbana-Champaign

### **Operations and Power Division Scholarship**

Kalie R. Knecht – University of Tennessee, Knoxville

## Scholarship Recipients 2016-2017

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### **Operations and Power Division Robert L. Long Memorial Scholarship**

Zachary F. Thomas – Utah State University

### **Rudy Stamm'ler Undergraduate Reactor Physics Scholarship**

Miriam Anne Rathbun – University of Pittsburgh

### **Charles (Tommy) Thomas Memorial**

Robert L. Olsen – Utah State University

### **GRADUATE CATEGORY**

Samuel J. Cope – North Carolina State University

Levi D. Gardner – University of Florida

Travis J. Labossiere-Hickman – Massachusetts Institute of Technology

Adrian M. Leandro – Pennsylvania State University

Cole Manring – North Carolina State University

Samuel W. McAlpine – Massachusetts Institute of Technology

Daniel Nunez – University of Michigan

Nina C. Sorrell – North Carolina State University

Maxwell E. Wiechec – Stanford University

### **Robert A. Dannels Memorial Scholarship**

Kalin R. Kiesling – University of Wisconsin – Madison

### **Decommissioning & Environmental Sciences Division Graduate Scholarship**

Eric Rasch – University of Michigan

### **Alan F. Henry/Paul A. Greebler Memorial Scholarship**

Joel Kulesza – University of Michigan

### **Saul Levine Memorial Scholarship**

Matthew Boraas – University of Missouri, Columbia

## Scholarship Recipients 2016-2017

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### **Michael J. Lineberry Graduate Scholarship**

Scott Richards – University of Tennessee, Knoxville

### **Walter Meyer Memorial Scholarship**

Jessica L. Bishop – University of Tennessee, Knoxville

### **Nuclear Criticality Safety Pioneers Scholarship**

Zander Mausolff – University of Florida

### **Fuel Cycle & Waste Management Division John D. Randall Scholarship**

Gordon M. Petersen – University of Tennessee, Knoxville

### **James F. Schumar Scholarship**

Matthew Jeffrey Jasica – University of Wisconsin, Madison

### **Robert E. Uhrig Graduate Scholarship**

Prathamesh Bilgunde – Iowa State University

### **Vogt Radiochemistry Scholarship**

Hadyn Daughtery – University of Tennessee, Knoxville

## Scholarship Recipients 2016-2017

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### NEED SCHOLARSHIP AWARDS

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#### **John and Muriel Landis Scholarships**

Juliusz A. Kruszelnicki – University of Michigan

Joseph E. Lee – University of California Berkeley

#### **NEED Scholarship Award for Community College and Trade School**

Liliana Atanacio – Berkshire Community College

#### **Community College/Trade School Scholarship Awards**

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#### **Kent Hamlin Memorial Scholarship**

Alan C. Martin – University of Florida

#### **Local Section Scholarship Awards**

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#### **Pittsburgh Local Section Undergraduate Scholarship**

Miriam Anne Rathbun – University of Pittsburgh

#### **Pittsburgh Local Section Graduate Scholarship**

Travis Carless – Carnegie Mellon University

#### **Washington, DC Local Section Undergraduate Scholarship**

Erik Olson – Utah State University

# Alpha Nu Sigma National Honor Society

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*The Alpha Nu Sigma National Honor Society, established by the American Nuclear Society's Education, Training and Workforce Development Division, recognizes high scholarship, integrity, and potential achievement among outstanding degree-seeking nuclear engineering students at institutions of higher learning. The following individuals, meeting the society's high standards, are the newest members of the Alpha Nu Sigma National Honor Society.*

Inductions January 1 to May 16, 2016

## **Excelsior College**

Lawrence Ault  
Amanda Deen-Gonzales  
Kendrick Jiminez  
Joanna Lew  
Stephen Phillips  
Wayne Watson

## **University of Florida**

John Askew  
Christian Baucom  
Christopher Blaylock  
David Borrego  
Olin William Calvin  
Joseph Cashwell  
Kenneth Fernandez  
Yuan Gao  
Esteban Gonzalez  
Christopher Greulich  
Ira Harkness  
Taylor Joseph Harvey  
J. Kent Hippler  
Tim Ironman  
Paul Johns  
Ryan Kelley  
Jessica Kelley  
Yinong Liang  
Emily Marshall  
Madison Martin  
Matthew Mitrani  
Timothy Modzelewski  
Alec Neller  
Shannon O'Reilly  
Tarik Phillips  
Dustin Popp

## **University of Florida**

Tyler Remedez  
Juan Rios  
Lucas Rolison  
Darren Skitt  
Kelsey Stadnikia  
James Totten  
Timothy Trinkle  
Robert Weinmann-Smith  
Enrique Wong  
Jonathan Wyers  
Nicholas Yap

## **University of Illinois at Urbana-Champaign**

Jin Whan Bae  
Carlos F. Bedoya Arroyave  
Andreas M. Giakas  
Matthew E. Kabelitz  
Brandon T. Lee  
Kathryn A. Mummah  
Dhruval K. Patel  
Eric J. Riewski  
Yuhui Zhao  
Jifu Zhao

## **Kansas State University**

Abhinav Gairola  
Priyarshini Ghosh  
Keith Huddleston  
Max L. Langston  
Michael Pfeiffer

# Alpha Nu Sigma National Honor Society

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Inductions January 1 to May 16, 2016

## North Carolina State University

Beth E. Aldridge  
Brandon Michael Chisholm  
Jackson Milo Choate  
Samuel J. Cope  
Kaitlin Diane Grundy  
Rudrodip Majumdar  
Cole A. Manning  
Joseph Wayne Orellana  
Aaron Kenneth Riddle  
Kristie M. Soliman  
Nina Colby Sorrell  
Travis Ty Willis

## Ohio State

Curtis A. Brown  
Max F. Chaiken  
Brian E. Cohn  
Jeremy P. Isler  
Erik A. Lahti  
Adam Z. Mattmuler  
Kelly M. McCary  
Richard E. Shawger  
Kevin R. Wegman  
Xiaoqin Zhang  
Wentao Zhou

## Oregon State University

Abdulsalam M. Alhawsawi  
Faterma Almazrouei  
Kyle Brumback  
Jordan Cox  
Steven Czyz  
Matthew A. Hertel  
Trevor K. Howard  
Suyang Liu  
Musa Moussaoui  
Sean K. O'Brien  
Timothy O'Larey  
Pavel Grechanuk  
Lily Ranjbar

## Oregon State University

Razaz Binmahfouz  
Brianna Smith-Sparks  
Austin Stricker  
Isaih Wieland  
Jason Wood

## Pennsylvania State University

Gregory Bonner, Jr.  
Patrick E. Campbell  
Tyler Cousins  
Dalton Cristini  
Ramon Cruz  
Bryan Egner  
Matthew Esch  
Nicholas Fassino  
Lucia Grilli  
Thomas Jaegar Hendrix  
Ana Jambriana-Gomez  
Ishak Johnson  
Matthew Kelly McCloskey  
Michael Robert Orner  
Justin Mark Tamminga  
Hunter Thompson  
Megan Wart  
Kyle J. Wilhelm  
Marc Wonders

## Purdue University

Andrew Adelsperger  
Alex Hagan  
Connor Lin  
Keyou Mao  
Christopher Meert  
Andrew Joseph O'Connor

# Alpha Nu Sigma National Honor Society

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Inductions January 1 to May 16, 2016

## University of Tennessee

Naser Burahmah  
Hadyn Daugherty  
Peter Doyle  
Adam G. Seybert  
Hui-Chen Wang

## Texas A&M University

Jarrod Allred  
Connor Barry  
Anna Laura Licon  
Lance Merchant  
Nivyan Musavvir  
Holly Parenica  
Trevor Parker  
Meyappan Subbaiah  
Susanna Grace Swisher  
Emily Thompson

## United States Military Academy - West Point

William Bailey  
Kyle Barnes  
Brent Bremer  
Justin Hall  
Benjamin Jackson  
Jonathon Kroc  
Andrew Lysakowski  
Ryan Muldoon  
Thomas Parker

## University of Utah

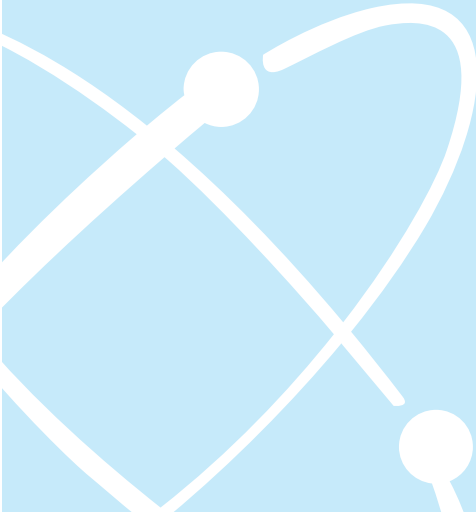
Amanda Foley  
Wimonphan (Winnie) Gee  
Jacob F. Tuttle  
Nicholas S. Kanno  
Samuel J. Doane  
Dylan R. Wilson  
David Morgan  
Travis W. King  
Cole N. Takasugi  
Samantha P. Winkle



# **ANS** Annual Meeting 2016

*Nuclear Power: Leading the Supply of Clean, Carbon Free Energy*

**June 12-16, 2016**  
**Hyatt Regency New Orleans**  
**New Orleans, LA**



A large, white, stylized graphic of an atomic symbol is positioned in the bottom-left corner of the page. It consists of two circular nuclei connected by three elliptical orbits.

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La Grange Park, IL 60526

[www.ans.org](http://www.ans.org)