

ANS: Your Source for Professional Development

Your ANS membership includes a subscription to *Nuclear News* magazine, substantial savings on journals, books and *Radwaste Solutions* magazine, opportunities for networking and volunteerism, and access to ANS's international meetings, workshops and conferences at the member rate.

Nuclear News magazine

Nuclear News covers the latest developments in the international nuclear field. Published monthly, it contains feature articles and news reports on

topics including nuclear power,

radiological protection, security,

waste management, fuel,

space applications, and legislative

views with industry leaders and

tendres, and a special refer-

ence section (in

March) that contains the World

List of Nuclear Power Plants and

regional maps showing plant loca-

tions worldwide. In addition to the

12 monthly issues, the mid-April

Buyers Guide lists suppliers of

nuclear products and services.



Radwaste Solutions magazine

Radwaste Solutions is a specialty magazine created by ANS for members working in the areas of radioactive waste management and environmental

remediation. As its name sug-

gests, it covers practical approaches

and solutions to problems and

issues in the fields of radioactive

waste handling, storage, disposal,

and cleanup and site restoration.

Professionals in the

field rely on this

bimonthly magazine (six issues

annually) to provide explanations

of the latest technologies, reports

on work in progress, discussions of

controversial issues, and coverage

of relevant industry meetings. The

November/December issue is a

Buyers Guide, with product and service listings for

waste industry.



Journals, Proceedings and Transactions

ANS' peer-reviewed journals are where much of nuclear's breakthroughs are first published.

Nuclear Science and Engineering, published since 1956, is widely recognized as

an outstanding source of

information on fundamental

research in all scientific areas

related to the peaceful use of

nuclear energy and radiation.

Nuclear Technology concerns the practical

applications of nuclear science and technology.

Fusion Science and Technology is a leading

source of information on theoretical research in

and applications of nuclear fusion technology and

its potential use for energy in the future.

ANS Proceedings provide up-to-the-minute

reports of current research and applications in

nuclear science and engineering by publishing full

papers from topical meetings and conferences.

Summaries of papers presenting new and significant

advancements in nuclear science and technology

are contained in *Transactions of the American*

Nuclear Society.



Meetings, Workshops and Conferences

ANS holds two national meetings per year – an

Annual Meeting in June and a Winter Meeting in

November. These meetings feature comprehensive

technical programs, technology exhibits, and tech-

nical tours that attract participants from around the

world. National meetings also include concurrent

topical meetings, focusing on in-depth coverage of

specific technical subjects, and Professional

“The career opportunities provided through ANS contacts and interactions have been the most beneficial of my life and the reason I stay in this field.”

Edward (Ted) L. Quinn
Consultant

“For me, ANS has always been my main communication link to the profession.”

Dr. Edward H. Klevans
Penn State University

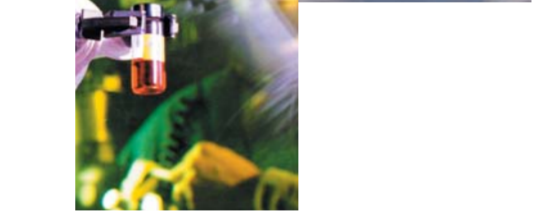
“My attendance at the bi-annual ANS fusion technology topical meetings and my subscription to the ANS journal *Fusion Science and Technology* are my primary sources of technical information about what others are doing in my field, information I rely on for my job.”

Dr. Kenneth R. Schultz
General Atomics

Promoting the advancement of nuclear science and technology.

Benefits of Membership

Photo courtesy of Paul Nehrenz of Entergy Operations, Inc.



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Outreach

ANS' Outreach program focuses on recognizing the

benefits of nuclear science and technology in every-

day life. The message is that nuclear science and

technology improves the quality of life – by

producing electricity for refrigerators and computers,

providing medical diagnostics and treatments for

illnesses, helping produce abundant food supplies

and keeping them safe, enabling the operation of

life-saving smoke detectors, etc.

ANS' Public Education Program (PEP) educates

and informs the public, teachers, students, and

policy-makers by:

■ Presenting information on the ANS website

■ Creating informational brochures and pamphlets

■ Sponsoring educator workshops on nuclear topics

■ Producing a free newsletter for 21,000 educators

■ Providing information and acting as a resource to

the media

■ Supporting ANS Section/Branch outreach events

■ Supporting a website for the general public at

www.aboutnuclear.org

ANS' Outreach program is supported by voluntary

donations from members, organizations, nonmem-

bers, and Federal/private grants.

Your Global Network

The American Nuclear Society is a global organization with 11,000 professional members who together represent a strong, unified voice in support of nuclear science and technology.

As an ANS member, you'll be able to stay on top of nuclear technology developments around the world and in your own backyard. ANS's constituency is international, multifaceted, and diverse, providing you with numerous opportunities to establish both local and global relationships. ANS is the only individual membership society that represents the entire spectrum of nuclear science and technology.

When you join ANS, you'll be among peers working to promote such nuclear science and technology activities as:

- worldwide reduction of CO₂ emissions through the use of nuclear power
- production of radioisotopes for medical use
- expanded use of food irradiation
- advancement of space technology
- research and development of fusion and fission
- development of international coalitions for the transfer of technology.
- research at universities and government laboratories
- development of an adequate workforce for the profession

Representing Your Profession as a Technical Resource

ANS works with government agencies, educational institutions, and other organizations having a stake in nuclear science and technology. ANS serves as a technical resource to senior policy leaders and decision makers on such issues as the Yucca Mountain repository, transportation of radioactive waste, and relicensing of nuclear power plants. It supports a U.S. Congressional fellowship. ANS also issues position papers on the nuclear science and technology issues of our times and publishes these in print and on the ANS website. In addition, ANS is providing the nuclear profession's perspective on the future energy policy of the United States. It's been effective in supporting U.S. government funding for nuclear research, which benefits all nations. Internationally, ANS is working with other organizations to ensure that nuclear energy is recognized as the way to reduce global CO₂ emissions.

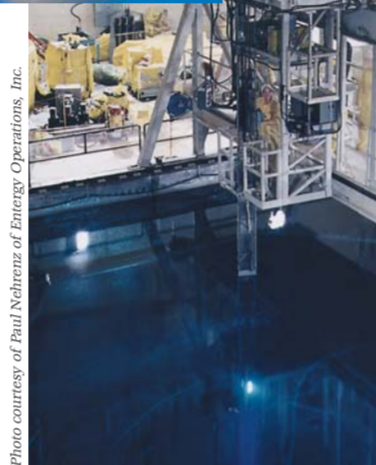


Photo courtesy of Paul Nehrenz of Entergy Operations, Inc.

"I have found that my ANS network has become invaluable as a resource to turn to in the course of my daily work."

Dr. Gail H. Marcus
Former ANS President

Division Membership: Focusing on Your Field

ANS division/technical group membership provides you with information targeted to your technical specialties through newsletters, topical meetings, and the internet. Divisions/technical groups also recognize excellence in members' professional accomplishments.

As an ANS member, you'll be entitled to membership in two of the following. Additional memberships are available to ANS members for a minimal fee.

- Accelerator Applications
 - Aerospace Nuclear Science & Technology Technical Group
 - Biology and Medicine¹
 - Decommissioning, Decontamination & Reutilization
 - Education and Training
 - Environmental Sciences²
 - Fuel Cycle and Waste Management
 - Fusion Energy
 - Human Factors
 - Isotopes and Radiation
 - Materials Science and Technology
 - Mathematics and Computation¹
 - Nuclear Criticality Safety
 - Nuclear Installations Safety
 - Operations and Power
 - Radiation Protection and Shielding
 - Reactor Physics
 - Robotics and Remote Systems
 - Thermal Hydraulics
 - Young Members Technical Group
- ¹ Computational Medical Physics Working Group
² Nuclear Production of Hydrogen Working Group



Photo courtesy of Argonne National Laboratory

Young Members Group (YMG)

ANS members under age 36 are automatically members of the YMG. The YMG works to encourage and enable members under age 36 to be actively involved in the efforts and endeavors of the Society. It nominates young professionals for ANS leadership positions and awards, collaborates in developing content for ANS meetings, and sponsors opportunities for career development and networking.

Leading the Way in Standards

ANS has been a leader in the development of nuclear consensus standards since 1958. Accredited by the American National Standards Institute, the ANS Standards Committee works closely with all segments of the industry interested in developing nuclear standards. The Society continues to receive grant support from the U.S. NRC for its PRA standards effort.

Keeping You Informed

ANS provides you with credible, cutting-edge information generated through its members' research and writings and by its own editorial news staff. This information is presented at ANS meetings and published in ANS's peer-reviewed journals, its two magazines, its books and other publications. These are described in more depth on the other side of this brochure.



Local Sections and Plant Branches: Meeting Your Needs Where You Live

While it takes the resources of ANS's worldwide network to produce the benefits described in this brochure, your ANS local section or plant branch provides you with networking, knowledge exchange and social activities in your own backyard. It also sponsors local events to educate and inform the public about the benefits of nuclear science and technology. ANS local section membership requires a separate, minimal membership fee. A listing of ANS local sections around the world can be found on the ANS website.

Student Membership: Focusing on the Future

If you're a student working on an academic degree in nuclear science and technology, you qualify to join ANS at a student rate. You may also be eligible for an ANS scholarship based on need or academic performance.

Organization Membership

Your organization can benefit from participation in the ANS Organization Member Program. This program supports the objectives of the Society, helps ensure the professional development of today's and tomorrow's workforce, and addresses other relevant nuclear industry needs. While distinct from individual membership, organization membership creates a partnership with the nuclear industry.

Benefits of ANS Membership

Immediate, Tangible Benefits

Soon after your application for ANS membership is processed, you'll be sent:

- Your first issue of *ANS News*, informing you about the Society's most recent activities
- *Nuclear News* magazine
- A volunteer form for you to get involved in Society activities
- A new member newsletter, providing you with detailed information on all aspects of the Society and contacts within it
- A membership card with your ANS ID# giving you access to the Members' Only section of the ANS website, including the Career Center
- A Certificate of Membership for you to proudly display as a symbol of your commitment to the nuclear profession.

"For me a significant personal investment was made in becoming a nuclear professional. ANS membership is and has been a natural complement and extension of that investment on a continuing basis."

Dr. William F. Naughton
Exelon Nuclear Co.



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Photo courtesy of Paul Nehrenz of Entergy Operations, Inc.