

DEPARTMENTS

EDITORIAL

ANS Technical Journals	74
At the ANS Nuclear Cafe	75
Backscatter	76
Calendar	71
Calls for Papers	73
Late News	9
Letters	14
Nuclear Notes	4
People	70
Recently Published	74

ADVERTISING

Direct Answer	6
---------------	---



Coming up . . .

February—Nuclear Applications

March—World Reference Issue/
Education and Training

April—Advanced Manufacturing/Fuel

Special Section: National Laboratories 25

Why the United States needs a fast-neutron source 26

BY CORY HATCH

Finan and Smith: The National Reactor Innovation Center 30

INTERVIEW COORDINATED BY LAURA SCHEELE

Building on a legacy of nuclear modeling and simulation research 35

Chalk River Laboratories: A global hub for nuclear science and technology 42

BY PHILIP KOMPASS

Feature Article

Craig Piercy: Starting new conversations 20

INTERVIEW BY SUSAN GALLIER

Members: View Nuclear News online!

At <www.ans.org>, click on Member Center at the upper right of your screen. Log in with your email address and password (if you haven't already, you can create a password at <account.ans.org>). Click on the *Nuclear News* link under Stay Informed.

Power 15

Turkey Point-3 and -4 are first reactors to receive subsequent license renewals. Oklo announces launch of Aurora nuclear plant. Energy Harbor to hold FirstEnergy nuclear plants. U.S., Canadian regulators to review Terrestrial Energy's integral molten salt reactor design. Power uprate applications filed for Farley, Watts Bar. The roof of the Vogtle-3 shield building is set into place.



International 48

Analysis of Fukushima decontamination efforts released. Japan's Nuclear Regulation Authority okays Ohi-1 and -2 decommissioning plan. SNC-Lavalin, China National Nuclear Power Company sign deal on advanced heavy-water reactor project. Second shipment of low-enriched uranium completes IAEA fuel bank in Kazakhstan. Core catcher installed at India's Kudankulam-3.

Meetings 52

- 2019 ANS Winter Meeting: Advancing nuclear in the United States and the world 52
- Young Professionals Congress 2019: Young leaders look to the future 58

Waste Management 60

Department of Energy awards Hanford Site cleanup, mission services contracts. Groundwater treatment capacity at Hanford Site to be expanded. DOE advances new interpretation of high-level waste. California court dismisses lawsuit on dry storage at San Onofre. Canada's search for deep geologic repository site narrowed to two areas.

Industry 65

NuScale earns ASME N-Stamp; other business developments. SNC-Lavalin to assist China on Generation-III reactor project; other contracts. UnitTech releases new personal protective suit.

Standards 69

Comments requested; standards project initiated. ANS answers multipart inquiry on standard.

Editorial Staff

- Publisher** Rick Michal
- Editor-in-Chief** Michael McQueen
- Senior Editors** Susan Gallier, Phyllis Ruzicka
- Associate Editors** Tim Gregoire, Paul LaTour
- Production/Design Editor** Chris Salvato
- Contributing Columnist** E. Michael Blake

Advertising & Circulation Staff

- Advertising Director** Jeff Mosses
- Advertising/Production Assistant Manager** Erica McGowan
- Advertising Sales Assistant/International Sales Lead** Jessica Vazquez

Editorial Advisory Committee

Jess C. Gehin and John G. Gilligan

ANS Officers

- President** Marilyn C. Kray
- Vice President/President-Elect** Mary Lou Dunzik-Gougar
- Treasurer** W. A. "Art" Wharton III
- Chairman, ANS Publications Steering Committee** Donald G. Lorentz

Administrative

- Executive Director/Chief Executive Officer** Craig Piercy

ANS Headquarters

- General Information**
708/352-6611 • Fax 708/352-0499 • www.ans.org
- Nuclear News Advertising**
708/579-8226 • 800/NUC-NEWS • Fax 708/352-6464
www.ans.org/advertising • advertising@ans.org
- Nuclear News Editorial**
708/579-8244 • Fax 708/579-8204
nucnews@ans.org • www.ans.org/nn

Nuclear News (ISSN: 0029-5574), Volume 63, Number 1. Published monthly (except during the month of April when issued twice monthly) by the American Nuclear Society, Incorporated, with business, executive, and editorial offices at 555 N. Kensington Ave., La Grange Park, Illinois 60526; telephone 708/352-6611. Subscription rate for 2020 is \$670, which includes complimentary electronic access, 1959 to current issue; for subscriptions outside North America, add \$75 for shipping and handling. Alternatively, subscription rate is \$590 for Electronic Access Only, 1959 to current issue. Single copy price (regular monthly issues) is \$52; add \$12 for postage and handling if being shipped to address outside North America. Single copy price for annual mid-April Buyers Guide is \$125; add \$15 for postage and handling if being shipped to address outside North America. Individual ANS members receive *Nuclear News* as part of membership. Replacement copies may be obtained at the single copy price, as long as copies are available. Inquiries about the distribution and delivery of *Nuclear News* and requests for changes of address should be directed to the American Nuclear Society. Allow six weeks for a change to become effective. POSTMASTER: Send change of address orders to *Nuclear News*, American Nuclear Society, 555 N. Kensington Ave., La Grange Park, Illinois 60526, or nucnews@ans.org.

Nuclear News is printed in New Richmond, Wis. 54017, by St. Croix Press, Inc. Nonprofit periodicals postage paid at La Grange, Illinois, and at additional mailing offices. Copyright © 2020 by the American Nuclear Society, Inc. Trademark registered in USA and Canada.

Opinions expressed in this publication by the authors are their own and do not necessarily reflect the opinions of the editors, the American Nuclear Society, or the organizations with which the authors are affiliated, nor should publication of author viewpoints or identification of materials or products be construed as endorsement by this publication or by the Society.

Texts of most *Nuclear News* articles are available on the LexisNexis database, from Mead Data Corporation.