Editorial Staff

EDITOR & PUBLISHER Gregg M. Taylor

MANAGING EDITOR Elizabeth S. Tompkins

INTERNATIONAL EDITOR
Dick Kovan

SENIOR ASSOCIATE EDITOR
Richard A. Michal

ASSOCIATE EDITOR
Patrick Sinco

PRODUCTION CONSULTANT
Susan E. Gallier

Chris Salvato

EDITORIAL ASSISTANT
Nancy Slove

CONTRIBUTING COLUMNIST
Bill Minkler

Advertising Staff

SALES MANAGER
Jeffery R. Mosses

ADVERTISING/PRODUCTION ASSISTANT
Patricia Fairchild

CIRCULATION ASSISTANT
Bess Weglarz

Editorial Advisory Committee

Ramon Ashley, Sam K. Bhattacharyya, Roger Tilbrook, and Paul Turinsky

ANS Headquarters

GENERAL NUMBER
708/352-6611
Facsimile 708/352-0499
Web site <www.ans.org>

NUCLEAR NEWS ADVERTISING
708/579-8226, 800/NUC-NEWS
Facsimile 708/352-6464
Web site <www.ans.org/advertising>
e-mail <advertising@ans.org>

NUCLEAR NEWS EDITORIAL 708/579-8240 Facsimile 708/352-6464 e-mail <nucnews@ans.org>

INTERNATIONAL EDITOR
(DICK KOVAN)
011-44-1737-842687
e-mail <dkovan@compuserve.com>

Nuclear News

p. 32

FEATURE ARTICLES

Gutteridge: On the DOE's assistance to university nuclear engineering programs

INTERVIEW BY RICK MICHAL

22

Citizen advocacy for nuclear energy: A road less traveled

BY WILLIAM C. REINIG AND J. MALVYN MCKIBBEN

28

IRIS: A global approach to nuclear power renaissance By Mario D. Carelli 32

POWER 12

MIT report: Four critical problems stand in the way of nuclear power expansion. EIA paper describes new reactor designs. STP-1 ready for restart after analysis by staff and NRC. Indian Point emergency plan approved by FEMA and NRC. NRC inspection at Davis-Besse leads to report of other findings. D.C. Cook to get pair of new vessel heads. Training program at Cooper accredited for four more years. House, Senate find common ground with Democratic energy bill proposal. Plants face \$12-million liability insurance premium increase. NRC report describes methods for fire hazard calculations. (See also Call for Papers, pp. 68–71, for the ANS 2004 Annual Meeting and Embedded Topical Meeting, June 13–17, 2004, in Pittsburgh, Pa.)

OPERATIONS 22

The *Nuclear News* Interview—Gutteridge: On the DOE's assistance to university nuclear engineering programs.

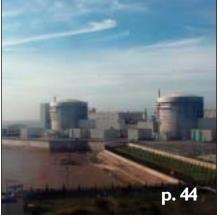
SECURITY 27

National security report from PPI gives nuclear power top grade.

INTERNATIONAL 43

Value of British Energy's nuclear plants plummets. European Commission assesses U.K. aid to British Energy. U.K. nuclear regulator presents new nuclear safety strategy. U.K. will abandon BNFL privatization option. U.K. headquarters of BNFL to relocate. Decommissioning plan for Hinkley Point approved by NII. Dounreay deploys cleaning technique for decommissioning of sodium plant. Ignalina preparing for shutdown by the end of 2004. IAEA: Innovative reactor cooperation the subject of talks—past and present. Report: IAEA explores merits of waste storage options. Technetium diversion to HLW storage begins at Magnox reprocessing plant. Netherlands parliament discusses plutonium transmutation research.





ANS Officers

PRESIDENT
Larry R. Foulke

VICE PRESIDENT/PRESIDENT-ELECT
James Tulenko

TREASURER

William Naughton

CHAIRMAN, ANS PUBLICATIONS
STEERING COMMITTEE
Steven A. Arndt

Administrative

EXECUTIVE DIRECTOR
Harry Bradley

Coming up ...

October—Special Section on Nuclear Power Plant Maintenance

December—Special Section on Industrial Applications of Nuclear Technology

WASTE MANAGEMENT

moval Program.

GAO: Fierce challenges still lie ahead for DOE cleanup program. DOE can't meet waste disposal needs of Rocky Flats, says IG report. Funding terminated by DOE for Deposit Re-

INDUSTRY 60

Furmanite, TVEL, others get contracts. Russian alliance, acquisition, and expansion; other business developments.

SPACE APPLICATIONS

61

Boeing team to study nuclear space systems for Jupiter moons mission. NASA awards \$28 million in radiation research funding.

FUEL 62

USEC enrichment plant timetable accelerated.

ISOTOPES & RADIATION

63

UN commission raises maximum food irradiation dose.

DEPARTMENTS

Backscatter	72	10	Letters
Calendar	6	67	Literature from Suppliers
Calls for Papers	9	63	People
Equipment & Services	65	9	Recently Published
Index to Advertisers	57	4	Setpoint
Late News in Brief	17	66	Software/Databases Available





Nuclear News (ISSN: 0029-5574), Volume 46, Number 10. 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 is \$325 for 2003; overseas subscribers add \$53 per year for postage and handling. ABC applied for. Single copy price is \$27; \$10 additional for overseas postage and handling (except for the Buyers Guide issue, which is \$100; \$10 additional for overseas postage and handling). Individual ANS members receive NN 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 © 2003 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 NEXIS database, from Mead Data Corporation.

3