

Editorial Staff

PUBLISHER
Jon Payne

EDITOR-IN-CHIEF
Gregg M. Taylor

INTERNATIONAL EDITOR
Simon Rippon

SENIOR EDITOR
Elizabeth S. Tompkins

SENIOR ASSOCIATE EDITOR
Richard A. Michal

ASSOCIATE EDITOR
Patrick Sinco

ASSISTANT EDITOR
Susan E. Bailey

PRODUCTION EDITOR
Susan E. Bailey

DESKTOP EDITOR
Chris Salvato

EDITORIAL ASSISTANT
Nancy Slove

CONTRIBUTING COLUMNIST
Bill Minkler

Business

ADVERTISING SALES MANAGER
Jeffery R. Mosses

ADVERTISING ASSISTANT
Patricia Fairchild

CIRCULATION/READER SERVICE
COORDINATOR
Bess Weglarz

PROCUREMENT SUPERVISOR
Wayne Witek

Editorial Advisory Committee

Ramon Ashley, Sam K. Bhattacharyya,
Annick Carnino, Joyce Davis,
Doug Stickney, Roger Tilbrook,
and Paul Turinsky

ANS Headquarters

GENERAL NUMBER
708/352-6611

Facsimile 708/352-0499
Web site <<http://www.ans.org>>

NUCLEAR NEWS ADVERTISING
708/579-8226
Facsimile 708/352-6464

NUCLEAR NEWS EDITORIAL
708/579-8245

Facsimile 708/352-6464
e-mail <nucnews@ans.org>

INTERNATIONAL EDITOR (SIMON RIPPON)
011-44-181-789-2159
e-mail <70734.166@compuserve.com>

Nuclear News

August 1999

Volume 42, Number 9

Fifth Annual

Vendor/Contractor Profile Special Section

p. 43

FEATURE ARTICLES

Jackson: Past accomplishments and future plans INTERVIEW BY RICK MICHAL 24
The nuclear renaissance: Competitive nuclear energy BY DAN KEUTER 28
Beneficial uses and production of isotopes: Status and trends BY EVELYNE BERTEL 30

SPECIAL SECTION

43

Fifth Annual *Nuclear News* Vendor/Contractor Profile Section

POWER

14

Nuclear plant safety systems are Y2K ready. AmerGen makes another purchase at Nine Mile Point. Illinois Power, AmerGen sign definitive agreement for sale of Clinton station. D. C. Cook plant's restart scheduled for April and September 2000. Destinations, directions set for Unicom. NRC requests comments on KI proposal. NRC upgrades public petition process. Change in NRC's reporting regs in the offing. San Onofre gives teachers a look at a nuclear plant.

OPERATIONS

24

The *Nuclear News* interview—Jackson: Past accomplishments and future plans.

MEETINGS

33

ANS Annual Meeting: The Atom in the Next Millennium. Embedded Topical Meeting: Nuclear Station License Renewal.

INTERNATIONAL

95

Maintaining nuclear's role in the United Kingdom requires plant decisions. Sellafield MOX Plant commissioning can begin. Political parties in Belgium seek to phase out nuclear. Forty years in sight for Spain's Santa Maria de Garona. German government proposes 2020 for phase-out completion. Ukraine's Chernobyl-3 down for maintenance, repair outage. BN-350 fast reactor in Kazakhstan to be decommissioned. WANO 1998 world performance indicators released. IAEA report on safety progress in eastern Europe. ICRP meeting in France considers low and very low radiation doses. Framatome interested in modular HTR. (See also Meeting Notice, p. 131, for the 6th International Conference on Facility Operations-Safeguards Interface, September 20–24, 1999, Jackson Hole, Wyo.)

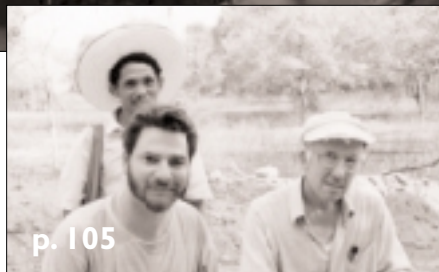
ISOTOPES AND RADIATION

105

Thai jewels, examined using accelerator technology, challenge views on civilization. Test may reduce surgeries and cancer treatment costs. PET increases survival for melanoma patients. ANS Position Statement on the Health Effects of Low-Level Radiation; additional views of the Biology and Medicine Division Low-Level Radiation Health Effects (LLRHE) Committee.



p. 28



p. 105



p. 24

ANS Officers

PRESIDENT

Andrew C. Kadak

VICE PRESIDENT/PRESIDENT-ELECT

James A. Lake

TREASURER

Denis E. O'Brien

CHAIRMAN, ANS PUBLICATIONS

STEERING COMMITTEE

Robert W. Hess

Administrative

EXECUTIVE DIRECTOR

Harry Bradley

Coming up ...

October—Special Section on Nuclear Power Plant Maintenance

December—Special Section on Computer Applications

WASTE MANAGEMENT 110

Senate committee approves substitute spent fuel management legislation. Texas LLW Authority abolished in late action. S.C. governor establishes task force on LLW issues. Bruce dry storage facility licensing review to go ahead. GTS Duratek acquires Hake; contracts awarded.

RESEARCH 118

Newly discovered elements detected by scientists at Lawrence Berkeley National Laboratory support stability theory.

EDUCATION 119

Enrollment levels for nuclear engineering and health physics decrease.

INDUSTRY 120

Eurisys Mesures acquires two companies; other business developments. Westinghouse gets I&C and fuel deals; other contracts.

STANDARDS 122

Clarification to answer questions on ANSI/ANS-19.6.1-1997. Comments on draft standard requested; two standards withdrawn.

DEPARTMENTS

Advertising Index/FAXLink	117	10	Multimedia Available
Backscatter	132	123	People
Calendar	5	10	Proceedings Available
Calls for Papers	8	116a	Reader Service Cards
Equipment & Services	126	9	Recently Published
Late News in Brief	17	4	Setpoint
Letters	12	8	Short Courses and Seminars
Literature from Suppliers	129	128	Software/Data Bases Available
Meeting Notice	131		



Nuclear News (ISSN: 0029-5574) is published monthly (except during the month of March 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 \$230 for 1999; overseas subscribers add \$51 per year for postage and handling. Single copy price is \$19; \$8 additional for overseas postage and handling (except for the Buyers Guide issue, which is \$78; \$10 additional for overseas postage and handling). Individual ANS members receive *NN* as part of membership (up to \$44 of dues allocated to *NN*). 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 © 1999 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 data base, from Mead Data Corporation.