

NEXT ISSUE CONTENTS

November 1987

TECHNICAL PAPERS

- Environmental Effects I: Effluents Other Than Tritium *J. Cannon et al.*
- Environmental Effects II: Tritium Effluents *J. Watson et al.*
- A Hybrid Blanket for an RFPR *J. Jaeger et al.*
- Self-Shielding Effects in Heterogeneous Blankets *S. Taczanowski*
- Reanalysis of Neutron Multiplication Measurements *V. Nargundkar et al.*
- Fission Power Flattening in Hybrid Blankets Using Mixed Fuel *S. Şahin
M. Al-Eshaikh*
- Tritium Breeding in an Asymmetrical Blanket *A. Dalton*
- Two-Dimensional Toroidal Geometry Neutral Atom Transport and Material Erosion Rates *M. Hasan
R. Conn*
- Computer Simulation of Reflection and Sputtering *G. Vizkelethy et al.*
- Cooling of Edge Plasmas by Intense Neutral Gas Puffing *A. Prinja
S. Zweben*
- Eddy Current Effects on Compression Experiments in TFTR *K. Wong
W. Park*
- On Muon Production for Muon Catalyzed Fusion *L. Chatterjee*
- RF System for ICRH Experiments on TEXTOR *G. Van Oost et al.*
- Nuclear Scattering and Suprathermal Fusion *A. Kumar et al.*
- Continuous Chemical Plant for the O₂-I₂ Laser *R. Demyanovich
S. Lynn*

DEPARTMENT

Meeting Report

Seventh APS Topical on Radio-Frequency Power *R. Motley*

ANS OFFICERS

RONALD C. STINSON, President
E. GAIL DE PLANQUE, Vice-Pres./Pres.-Elect
EDWARD D. FULLER, Treasurer
RAYMOND D. MAXSON, Assistant Treasurer
OCTAVE J. DU TEMPLE, Executive Director

FUSION TECHNOLOGY (ISSN: 0748-1896) is published bimonthly in Jan., Mar., May, July, Sep., and Nov. under the joint ownership of the American Nuclear Society and the European Nuclear Society. NUCLEAR TECHNOLOGY (ISSN: 0029-5450) is published monthly. Publication office is at ANS headquarters, 555 N. Kensington Ave., La Grange Park, Illinois 60525 (312/352-6611). ENS Secretariat: P.O. Box 2613, CH-3001 Berne, Switzerland. Subscription rate per calendar year for FUSION TECHNOLOGY (two volumes) is \$250; single volume rate is \$140. Overseas subscribers add \$40 per year for postage and handling. Subscription rate for NUCLEAR TECHNOLOGY (four volumes) is \$395 per calendar year; single volume rate is \$115. Overseas subscribers add \$57 per year for postage and handling. Single issue price for FT is \$55 for current and back issues (slightly higher for special issues and supplements). Single issue price for NT is \$43. Inquiries about the distribution and delivery of FUSION TECHNOLOGY (and

ENS OFFICERS

RAFAEL CARO MANSO, President
HARRY CARTWRIGHT, Past President
HANS-HENNING HENNIES, Senior Vice-President
JEAN COUTURE, Vice-President
THOMAS ECKERED, Vice-President
GUY TAVERNIER, Honorary President
JACQUES ROGNON, Board Member
PETER FEUZ, Secretary General

NUCLEAR TECHNOLOGY) and requests for changes of address should be directed to the American Nuclear Society. Allow 6 weeks for a change to become effective. POSTMASTER: Send change of address orders to the American Nuclear Society. FUSION TECHNOLOGY is printed in Champaign, Illinois 61820, by Kowa Graphics, Inc. Second-class postage is paid at La Grange, Illinois, and at additional mailing offices. Copyright © 1987 by the American Nuclear Society, Inc.

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 the Society.



Fusion Technology

ISSN: 0748-1896

EDITOR

GEORGE H. MILEY
CHRIS STALKER, Editorial Assistant
Fusion Studies Laboratory
Department of Nuclear Engineering
STEVE HOLLAND, Art/Design
University of Illinois
Urbana, Illinois 61801

ASSOCIATE EDITOR, EUROPE

KARL WIRTZ
ANTON BAYER, Editorial Assistant
Kernforschungszenentrum Karlsruhe
Postfach 3640, D-7500 Karlsruhe 1, FRG

ASSOCIATE EDITOR, ASIA

RYOHEI KIYOSE
University of Tokyo, Department of Nuclear Engineering, 7-3-1 Hongo, Bunkyo-ku, Tokyo, Japan

ANS STAFF

MARY BETH GARDNER, Publications Manager
MARGARET A. CLEMMONS, Copy Editor
DAVID DE GRAF, Copy Editor
IRENE O. MACKE, Copy Editor
ELLEN M. BURKE, Editorial Assistant
PAUL VLAJICIC, Production Manager

COMPOSITION

Beljan Ltd., Dexter, Michigan 48130

EDITORIAL ADVISORY BOARD

CHARLES BAKER	WILLIAM HOGAN
HANS CONRADS	ROBERT A. KRAKOWSKI
DONALD L. COOK	L. JOHN PERKINS
DONALD J. DUDZIAK	DOUGLASS POST
CHARLES A. FLANAGAN	KENNETH SCHULTZ
EHUD GREENSPAN	WESTON STACEY

Address all manuscript and editorial communications to the Editor; communications from Europe and Asia should be addressed to the respective Associate Editors—see addresses above.

PHOTOCOPIING: Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by the AMERICAN NUCLEAR SOCIETY to libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of \$3.00 per copy is paid directly to CCC, 27 Congress St., Salem, MA 01970. 0272-3921/87 \$3.00. Consent is not given for other copying, such as for general distribution, advertising or promotional, creating new collective works, or resale.