D. K. (Dave) Trubey, RSIC staff member, has recently succeeded Norman M. Schaeffer, Radiation Research Associates, as chairman of the American Nuclear Society (ANS) Standards Subcommittee ANS-6, Shielding. The shielding subcommittee is part of Section 3 which also has a new chairman, W. E. (Bill) Kreger of Physics International. The former chairman was J. E. (Jim) McLaughlin of the AEC Health and Safety Laboratory.

The shielding subcommittee, sponsored by the ANS Shielding and Dosimetry Division and created in 1964 with P. S. (Phil) Mittelman as chairman, has delegated work to working groups on cross sections, benchmark problems, shield performance evaluation, shield materials, and nomenclature. A standard entitled "Program for Testing Biological Shielding in Nuclear Reactor Plants," by H. C. Claiborne et al., has been completed. This document, ANS-6.3, received a favorable ballot by American National Standards Institute (ANSI) Committee N18 in December. Other activities of ANS-6 are summarized in the report by H. C. Claiborne, D. J. Dudziak, and N. M. Schaeffer, "Activities of the ANS-6 Subcommittee on Radiation Shielding Standards," ORNL-TM-3251 (December 1970).

The ANS-6 chairman solicits volunteers to contribute to the efforts of the various working groups. He also would like to receive suggestions which can be used to further the work in the area of shielding standards.

the Documentation of Digital Computer Programs." The draft standard ANS-10.2 (ANS Std. 3-1971), "Recommended Programming Practices to Facilitate the Interchange of Digital Computer Programs," has been submitted to the American National Standards Institute. Betty Maskewitz of RSIC is a member of ANS-10.

Concrete Radiation Shield Standard
Published for Trial Use

A draft standard, "Concrete Radiation Shields," ANS 11.13, has been published by the American Nuclear Society for trial use and comment. The trial period ends May 30, 1972 for revision and approval as an American National Standard. Copies may be obtained from the American Nuclear Society, 244 E. Ogden Ave., Hinsdale, Ill. 60521. Suggestions for revision should be directed to H. G. Duggan, Oak Ridge National Laboratory, P. O. Box X, Oak Ridge, Tenn. 37830.

ENDF/B Version III
Neutron Cross Section Data
Now Available

The National Neutron Cross Section Center (NNSCC) has made available revised and extended cross section data known as ENDF/B III. This version of the library has included gamma-ray production data for some of the elements important for shielding problems. The contents of the tapes are listed in Table I. (See page 3.)

Requests for data from the U.S. and Canada should be addressed to the National Neutron Cross Section Center, Brookhaven National Laboratory, Upton, N. Y. 11973. Requests from the O.E.C.D. countries should be addressed to the Centre ENEA de Compilation de Donnees Neutroniques (CCDN), B. P. 9, 91-Gif-sur-Yvette, France.

ADDITIONS TO THE COMPUTER CODES COLLECTION

CCC-173/ZEBRA 1

CCC-174/RACER
TABLE I. ENDF/B-III Tape Contents

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<td>Li-7</td>
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<tr>
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<td>1134</td>
<td>O-16*</td>
<td>1146</td>
<td>He-3</td>
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<td>Be-9*</td>
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RSFP = Rapidly Saturating Fission Products
SSFP = Slowly Saturating Fission Products
NSFP = Non-Saturating Fission Products

*Contains gamma-ray production data.
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<td>1227</td>
<td>Xe-133</td>
<td></td>
</tr>
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</table>

*Evaluations for Fission Product Data
UPDATE FOR PSR-35

Program EDITOR has been updated to accommodate the recently released ENDF/B-III data. Programming was added to process the number of prompt neutrons per fission (ENDF/B File 1, MT=456) and the LR flag in ENDF/B File 3. Due to the implementation of the revised formats for radioactive decay data (MT=453) and fission product yield data (MT=454), the updated version of EDITOR will not process ENDF/B-II File 1 data in some cases. The revised subroutines needed to process ENDF/B-III will not significantly alter the core size required to execute the program.

PROCEEDINGS OF THE NATIONAL SYMPOSIUM
ON NATURAL AND MANMADE RADIATION IN SPACE
RECENTLY ISSUED

PROCEEDINGS OF THE NATIONAL SYMPOSIUM ON NATURAL AND MANMADE RADIATION IN SPACE, E. A. Warman, editor, NASA TM X-2440, is now available from the National Technical Information Service, Department of Commerce, Springfield, Va. 22151, for $10.00. The document contains the manuscripts of 140 technical papers delivered in 24 separate sessions of the National Symposium on Natural and Manmade Radiation in Space, which was held in Las Vegas, Nevada, in March, 1971. These proceedings reflect an interdisciplinary topical theme concentrating on most aspects of radiation in space. A strong radiobiological representation is included in addition to discussions of radiation transport, detection and shielding. The bases for analytical predictions of naturally occurring space radiation are explored, along with some reports of space radiation measurements. The radiation aspects of space nuclear power and space nuclear propulsion systems are reviewed.

We have been informed by L. W. Bower of the death of Victor J. Bell, head of the ENEA Computer Programme Library, in an accident in Italy. Victor was one of the founders of the ENEA Computer Programme Library. He left there to head the ENEA Neutron Data Compilation Centre at Gif-sur-Yvette, France, and returned about two years ago to Ispra, Italy, to head the Library. He has made many visits to RSIC on matters of mutual concern. He will be missed by his many friends and colleagues.
PERSONAL ITEMS

Olavi Vajaavuori, formerly of Otaniemi, Finland, is now employed by the TV0 Power Company at Niitykumpu, Finland.

We welcome Edward Oblow to the Neutron Physics Division of ORNL. Dr. Oblow comes to us from Columbia University where he was associated with Prof. Herbert Goldstein.

Jean Raotein has transferred from Fontenay-aux-Roses to Saclay where he is employed by the Service des Etudes Micaniques et Theoriques of CEN.

Siegfried Gerstl has accepted an assignment in the Applied Physics Division of Argonne National Laboratory, where he will be involved in LMFBR shielding development and improvement of 2-D transport methods.

Milo Solomito has accepted the position of Radiation Physicist in the Radiology Department of the Methodist Hospital in Memphis, Tenn. He will be very much involved in nuclear medicine.

VISITORS TO RSIC

The following literature cited has been ordered for review, and that selected as suitable will be placed in the RSIC Information Storage and Retrieval Information System (SARIS). This early announcement is made as a service to the shielding community. Copies of the literature are not distributed by RSIC. They may generally be obtained from the author or from a documentation center such as the National Technical Information Service (NTIS), Department of Commerce, Springfield, Virginia 22151.

RSIC maintains a microfiche file of the literature entered into SARIS, and duplicate copies are available on request. Naturally, we cannot fill requests for literature which is copyrighted (such as books or journal articles) or whose distribution is restricted.

Special bibliographies and selected computer-printed abstracts of the literature in the RSIC system are available upon request. The Selective Dissemination of Information (SDI) Service is available by submitting a list of subject categories defining the recipient's interests.

REACTOR AND WEAPONS SHIELDING

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Prepared by R. L. Beck and W. W. Brown

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Neutron and Gamma-Ray Environments for Point Neutron Sources in an Air-Over-Ground Geometry. Vol. II
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(4) Work on Radiation Transport in India (pp. 157-165)
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