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Nuclear Safety: DOE Journal Focuses On International Views

Vol. 7, No. 11

November, 1983

How do the world's major nuclear power countries approach the question of nuclear safety? Although the U.S. nuclear community has considerable information on the nuclear safety research being carried out in other countries, little is known about the rationale behind the research or how the experimental results will be applied.

With this in mind, William B. Cottrell, editor of the bimonthly technical review journal *Nuclear Safety*, has organized a series of articles on the nuclear safety philosophies of other countries. Recognized leaders in the top levels of nuclear safety research and reactor operations in countries with large nuclear installations were invited to submit articles that would provide insight into their nuclear safety theories and practices.

The series began in the July-August issue of *Nuclear Safety* (vol. 24, no. 4), focusing on safety considerations in Canada. Articles on nuclear safety programs in France and the Federal Republic of Germany have since appeared. Later issues will cover the philosophies of Sweden, Japan, and the United Kingdom. It is hoped that the series will promote better understanding of the different and highly sophisticated approaches to nuclear safety of the world's nuclear powers.

Nuclear Safety is prepared for DOE by the Nuclear Safety Information Center at Oak Ridge National Laboratory and published every two months by the Technical Information Center. It contains articles by internationally recognized authorities on nuclear reactor safety and on the entire nuclear fuel cycle—including fuel fabrication, spent-fuel processing, nuclear waste disposal, and the handling of radioisotopes—and the environmental effects of these activities.

The journal is available from the Superintendent of Documents, Government Printing Office. Subscriptions for the six issues per year are \$26.00 within the United States (add \$6.50 for foreign subscriptions). Single copies are \$6.50 each (add \$1.65 for foreign handling).

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Bilateral Exchange Group Holds First Meeting

The Bilateral Exchange Working Group (BEWG) met for the first time at the Technical Information Center in Oak Ridge, Tennessee, on October 19-21. The BEWG consists of representatives from countries with which the Center has bilateral information exchange agreements.

Six members from other countries were present. They were H. Philipp and D. Marek, Fachinformationszentrum Energie, Physik, Mathematik GmbH, Federal Republic of Germany; Eva Pedersen, Risø National Laboratory, Denmark; Roland Larue and Jean
(Continued on page 2)

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Oak Ridgers Weigh in At ASIS Meeting

Oak Ridgers were highly visible at the 1983 Annual Meeting of the American Society for Information Science (ASIS) held at the Crystal City Hyatt Regency in Arlington, Virginia, October 3-6. The theme of the meeting was Productivity in the Information Age. Within this overall theme, four major foci were emphasized: Definition and Measurement of Productivity, Productivity in Information Age Environments, International Aspects of Productivity, and Focus on the Future: Agenda for Change.

Bonnie Carroll, TIC Assistant Manager for Program Development and the president-elect of ASIS for 1984, moderated a session entitled "Three-Sector Interaction for Increased Productivity: Data Evaluators, Vendors, and Users" and co-chaired another session, "Value-Added Characteristics of Energy and Environmental Data Systems."

Dan Robbins, head of the Information Division, Oak Ridge National Laboratory, was elected a new director of the society. Cathy Grissom of the Technical Information Center took over as chairperson of the Special Interest Group (SIG) on Energy and Environmental Information.

Other ORNL staff members present included Bruce Ewbank, chairperson of the SIG on Numeric Data Bases; Gloria Caton and Carol Oen, who presented a paper on an acid rain research inventory; and Maurice Greene, who presented a paper on data evaluation and its role and impact in producing an online handbook.

Meg Jared, TIC Customer Services Division, staffed the TIC exhibit, with assistance from Sue Davis, Cathy Grissom, and Ray Bedford. The capabilities of the TIC computer system, including the experimental computer gateway network, were demonstrated.

Kathy Haynes, TIC, was official photographer for the meeting.

BILATERAL, continued from page 1

Iung, Centre d'Etudes Nucléaires de Saclay, Commissariat à l'Energie Atomique, France; and H. M. Rietveld, Netherlands Energy Research Foundation, The Netherlands.

The meeting was very productive—exchange operational matters were discussed, and detailed processing issues were resolved. The foreign visitors were impressed by the commitment of the United States to bilateral activities and felt that this commitment helps to justify their efforts for continued reciprocity in their respective countries.

The foreign component of the Energy Data Base now amounts to about 55% of the total current input. Intergovernmental Memoranda of Understanding establishing bilateral information exchanges are primarily responsible for this depth in foreign literature.

EDB Post-Reload Debugging in Process

The Energy Data Base reload was completed in October. It has brought major improvements and new searching capabilities, including proximity searching. However, some minor problems have appeared in the system since the reload. New equipment is expected very soon that will increase the memory of the computer, providing users better response time.

While the DOE/RECON staff is working on smoothing out the problems, searchers can help by using good search techniques, especially the following:

(1) Use Thesaurus Terms

The basic index now contains a tremendous number of terms (descriptors, title and title augmentation words, and abstract words). Many, many concepts in EDB have been given very precise descriptors, and the best searching technique is to use those descriptors to express each concept in a search and then add free terms from the basic index as needed. Furthermore, EDB descriptors include the narrower terms (NTs) below them in the hierarchy.

(2) Use Truncation with Caution

Searchers are reminded that truncation should be used with care. Truncating short words that generate large numbers of individual words causes the system to slow down considerably. To avoid long delays and irrelevant citations, use as many letters as possible in your stem, or EXPAND the term and then SELECT the variations separately. Also, if you are looking for only the singular or the plural form of a term, it is recommended that you OR the two terms together.

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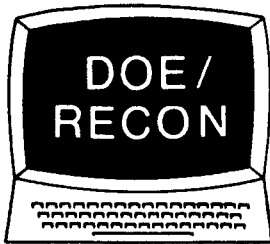
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~*~*~*~* TO DOE/RECON USERS *~*~*~*~*

ANNOUNCING

DOE/RECON Training Workshops

Basic Training: January 24-25, 1984 - for beginners
(Optional afternoon session, January 23, 1984 - for novices)

EDB & NTIS Joint Session: January 26, 1984

Energy Data Base Update: January 27, 1984 - for experienced searchers

Time: 8:30 a.m. to 5:00 p.m. daily

Place: Solar Energy Research Institute, 1617 Cole Blvd.,
Golden, Colorado 80401

Fee: None

The Basic DOE/RECON Training will include a description of the DOE/RECON system and its commands and the newly available proximity search feature. The Energy Data Base (EDB), Nuclear Science Abstracts (NSA), the Federal Energy Data Index (FEDEX), Research in Progress (RIP) and other DOE files will be featured. Time and terminals will be available for participants to solve assigned search questions.

There will be an optional module on using terminals for novices on Monday, January 24 from 2:00 to 4:00 p.m.

The EDB & NTIS Joint Session is intended for non-RECON users of DOE Energy Data Bases on commercial search systems. Input sources and output products of EDB, subject scope, search tools and searchable fields as they are found on the different search systems will be featured.

The EDB Update session will be aimed at DOE/RECON users who have attended the basic training, and wish to familiarize themselves with the new methods of searching EDB that have become available with the reload. It will feature a review of changes to the DOE/RECON system and will emphasize techniques for handling cross-data base searches using search save and for developing personal energy profiles. New search strategy techniques will be illustrated, by means of assigned problems, and practice time will be provided.

TRAVEL ARRANGEMENTS

Transportation from Stapleton International Airport to the hotels in the Golden area is available at \$14 round trip (\$8 one-way) through the Golden West Airport Shuttle. The Golden West counter is located on the baggage level near door no. 7.

Suggested hotels include: (1) The Holiday Inn, 14707 West Colfax, Golden, Colorado, 80401, phone (303) 279-7611. Government rates are \$39 for single accommodations and \$45 for double. (2) Days Inn, Denver West, 14829-35 West Colfax Ave., Golden, Colorado, 80401, phone (303) 277-0200 or toll free 1-800-325-2525. Rates are approximately \$25 for single and \$4 for each additional adult. (3) Ramada Inn Foothills, 11595 W. 6th Ave., Lakewood, Colorado, 80215, phone (303) 238-7751. Government rates range from \$32 for single accommodations to \$38 for double.

Please send reservation requests to:
DOE/RECON Training Coordinator
Building 50, Room 130
Lawrence Berkeley Laboratory
Berkeley, CA 94720
(415) 486-6307 or FTS 451-6307.

I wish to attend the following DOE/RECON workshop in Golden:

_____ Introductory Module	January 23
_____ Basic DOE/RECON Training	January 24-25
_____ EDB & NTIS Joint Session	January 26
_____ Energy Data Base Update	January 27

Name Social Security No.

Address

RECON ID

Phone No. Commercial

Phone No. FTS

Experience on RECON

MONTHS

SEARCHES

Experience on other systems

MONTHS

SEARCHES

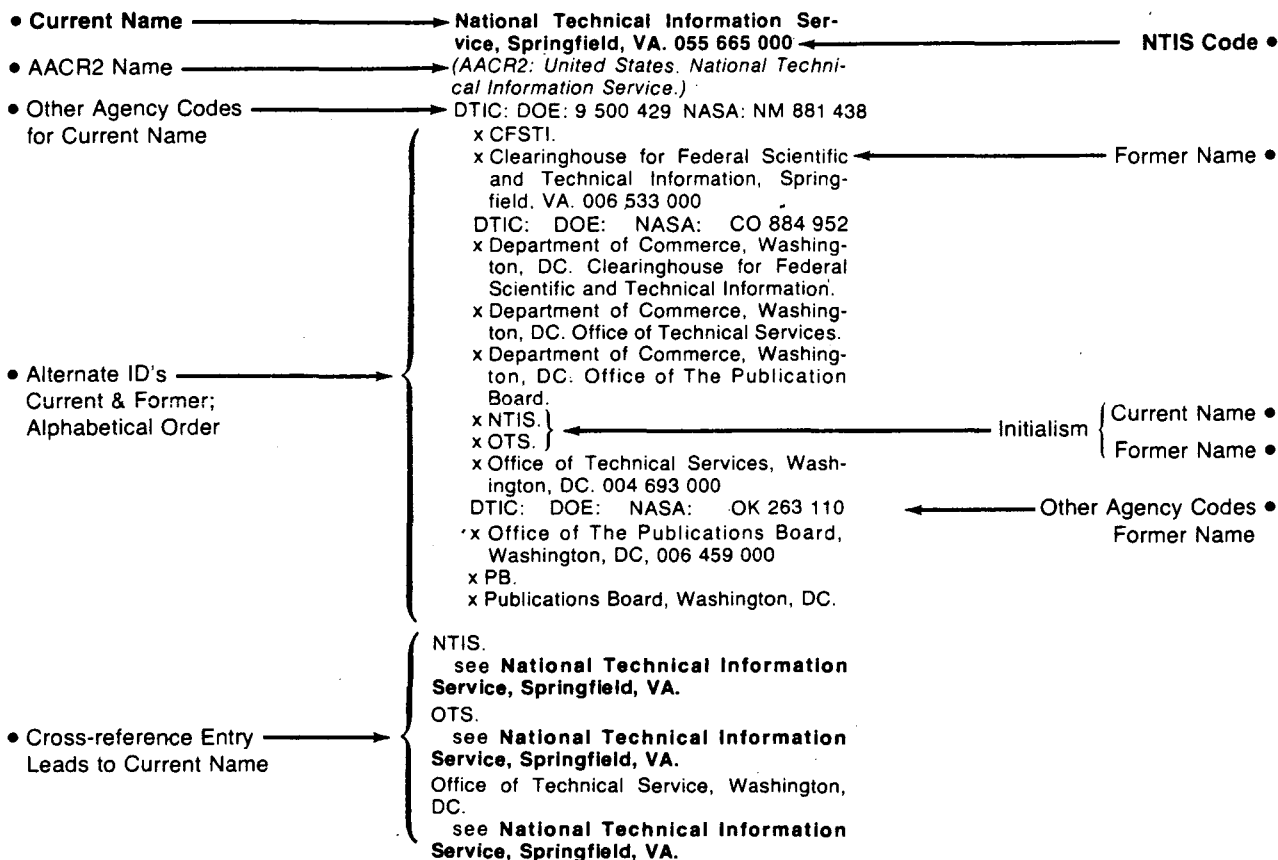
NTIS Corporate Authority List for Sale

The National Technical Information Service (NTIS) has made its *Corporate Author Authority List—1983* available for sale. Initially designed as an authority file for NTIS internal cataloging, this publication is an invaluable reference tool containing approximately 35,000 main entries and many thousands of cross references. Entries also include the numeric and alphanumeric codes assigned by source agencies, such as the Technical Information Center or the National Aeronautics and Space Administration, for transmitting data digitally. The accompanying sample entry shows how this information is presented.

The *Corporate Author Authority List* replaces *NTIS Corporate Headings* (March 1970). The hard-bound publication contains 1400 pages, sells for \$175 and can be ordered from NTIS using accession number PB83-156034. For additional information contact:

Linda LaGarde
 Product Manager
 National Technical Information Service
 U.S. Department of Commerce
 Springfield, VA 22161
 Commercial: (703) 487-4769
 FTS: 737-4769

Corporate Author Authority List: Sample Entry and Explanation



- The bold-faced entry is the current NTIS name. It is immediately followed by its bold-faced NTIS nine-digit code. The AACR2 entry follows immediately if it is known, on the next line, and is indented, in italic. The other agency codes, when assigned, follow in light face on the next line.
- All "x-entries" are former names or initialisms for former or current names, or cross references used currently or in the past for current or former names.
- X-entries immediately followed by nine-digit numbers are former names; the nine-digit number is the code for that former name. If the former name has an associated AACR2 entry, it is given on the next line, followed by its associated other-agency codes, if known.



SYSTEM CHANGES

New Commands

Two new commands have been added to the DOE/RECON system, as follows:

(1) CHARGES

By entering this command (or the abbreviation CH), users can now receive a detailed account of their DOE/RECON charges for the previous month. The charges are totaled both by the month and by session (with overhead added in by session). These charges are for one ID only. If you have several IDs, each one must be logged in separately for all charges to be received.

(2) TYPE

To display output on EDB, users can now enter either the present command (DISPLAY or D) or the new command TYPE or T. Since TYPE is the display command used on DIALOG, users of that system will find it a welcome addition to EDB.

Online Ordering for NS2

The citations in the first 20 volumes of *Nuclear Science Abstracts*, covering the years 1948-1967, became available online on DOE/RECON in October. They were put into a separate data base (NS2, file 5) from the existing NSA data base (file 2), which covers the period from 1968 to 1976. Online ordering is now available in both NS2 and NSA through TIC and NTIS.

First DOE/RECON Videotape Ready for Users, Classes

A videotape entitled "DOE/RECON On-Line Retrieval System: Overview" is now available to users of the system. Completed in August, the 13-minute tape gives a general introduction to the system and will be used in DOE/RECON training classes.

This videotape is the first in a series of training films. Additional segments will be filmed in November.

DOE/RECON users can borrow copies of "Overview" without charge from the Technical Information Center. Contact:

Barbara Goad
Technical Information Center
P.O. Box 62
Oak Ridge, TN 37831
Commercial: (615) 576-5636
FTS: 626-5636

DOE/RECON Statistics

DOE/RECON uptime for October was 90.6%. There were 4,745 user sessions, and 341,115 citations were output via the PRINT commands.

—Leon Yount, DOE/RECON Staff,
ORNL

DOE/RECON Calendar of Events

1983

December 23-26 Christmas Holiday

January 26

Joint Session: EDB and NTIS data bases on commercial search systems
Solar Energy Research Institute, Golden, CO

1984

January 23 Basic DOE/RECON Training: Introductory Module on Using Terminals (optional session for novice users)
Solar Energy Research Institute, Golden, CO

January 27

DOE/RECON Update Training (for experienced DOE/RECON searchers)
Solar Energy Research Institute, Golden, CO

January 24-25 Basic DOE/RECON Training (for newer users)
Solar Energy Research Institute, Golden, CO

Please send training reservations to DOE/RECON Training Coordinator, Lawrence Berkeley Laboratory, Bldg. 50, Room 130, Berkeley, CA 94720, telephone: (415) 486-6307 or FTS 451-6307.

INFORMATION RESEARCH GROUP
LAWRENCE BERKELEY LABORATORY
BLDG. 50, ROOM 130
UNIVERSITY OF CALIFORNIA
BERKELEY, CA 94720

FIRST CLASS

For Reference

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