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the latest developments about
DOE'S Technical Information Program,
Products and Services

United States Department of Energy, Technical Information Center, P.O. Box 62, Oak Ridge, TN 37830

TI Meeting Planned for April

Vol. 7, No. 12

December, 1983

The next Technical Information Meeting, to be held at the Technical Information Center, Oak Ridge, Tennessee, has been tentatively scheduled for the latter part of April 1984. The meeting is being designed for the users of TIC services—DOE/RECON searchers, librarians, and technical information specialists—rather than for producers of technical information. It will bring information users together with the Department of Energy's Technical Information Officers and will focus on the new emphasis being given to the Technical Information Management Program, advances in the DOE/RECON system, and the expanded services of the Center.

In addition, the 1984 Spring meeting of the Library Operations Working Group (LOWG) will be held at Oak Ridge National Laboratory in conjunction with the TI Meeting.

The April 1985 meeting at the Center will focus on activities involved in the production of technical information products.

Six New Publications Set for 1984

The returns are in! Beginning last spring and continuing through the summer, the Technical Information Center asked readers of its publications for feedback on the update journals and bulletins. The responses have been considered, the program managers consulted, and the decisions made.

All the regular 1983 publications will continue in the coming year, and six semimonthly bulletins will be added. The following publications will continue essentially without change:

Abstract Journals and Updates

- Energy Research Abstracts*
- Energy Abstracts for Policy Analysis*
- Current Energy Patents*
- DOE Patents Available for Licensing*
- Energy and the Environment*

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- Fossil Energy Update*
- Fusion Energy Update*
- Solar Energy Update*

Bulletins

- Direct Energy Conversion*
- Geothermal Energy Technology*
- Nuclear Fuel Cycle*
- Nuclear Reactor Safety*
- Radioactive Waste Management*

The six new bulletins—three of which relate to fossil fuels—are scheduled to begin publication on January 15, 1984. They are:

(Continued on page 2)

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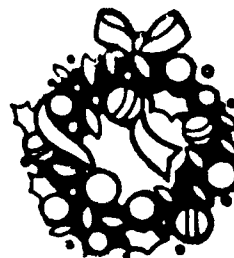
Calendar of Events

1984

- January 23 Basic DOE/RECON Training: Introductory
Module on Using Terminals (optional session for
novice users)
Solar Energy Research Institute, Golden, CO
- January 24-25 Basic DOE/RECON Training (for newer users)
Solar Energy Research Institute, Golden, CO
- January 26 Joint Session: EDB and NTIS data bases on
commercial search systems
Solar Energy Research Institute, Golden, CO

- January 27 DOE/RECON Update Training (for experienced
DOE/RECON searchers)
Solar Energy Research Institute, Golden, CO
- April DOE/RECON Training Sessions
The Forrestal Building, Washington, DC
- April Technical Information Meeting
Technical Information Center, Oak Ridge, TN

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.



NEW PUBLICATIONS, continued

- *Acid Precipitation (ACP)* covers all aspects of the subject, including effects and control measures
- *Coal-Based Synfuels (CBS)*—covers all aspects of coal conversion into gaseous or liquid fuels
- *Coal Preparation and Pollution Control (CPC)*—covers all aspects of coal cleaning and other preparations to reduce pollution from its direct combustion
- *Laser Research (LAR)*—covers all aspects of laser research and development, but excludes applications
- *Solar Thermal Energy Technology (STT)*—covers research directed toward development of efficient and reliable solar thermal conversion systems
- *Unconventional Petroleum (UCP)*—covers all aspects of secondary and tertiary petroleum recovery; also includes oil-shale and tar-sand processing

Sample issues of the new publications were sent to selected addresses on National Technical Information Service (NTIS) and TIC mailing lists in November. All these publications will be provided free of charge to DOE offices and to contractors whose areas of DOE research are directly related to the subjects covered by the bulletins. Others can subscribe through NTIS.

—Lee Thompson, TIC

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“Older” Prestige Publications Available

The Technical Information Center has excess stock of a number of “oldies but goodies”—prestige publications from the 1960s and 1970s—available to DOE and contractor researchers on request. The following table lists titles and report numbers of symposia, critical reviews, and special publications, many of them

now classics in their fields. If you can use an extra copy of some of these volumes, contact the Customer Services Division, Technical Information Center, P.O. Box 62, Oak Ridge, TN 37831; commercial: (615) 576-1301; FTS: 626-1301.

Title	Date	Report Number
Symposium Series		
<i>Abundant Nuclear Energy</i>	(May 1979)	CONF-680810
<i>Biological Implications of the Nuclear Age</i>	(1969)	CONF-690303
<i>Biomedical Implications of Radiostrontium Exposure</i>	(April 1972)	CONF-710201
<i>Carbon and the Biosphere</i>	(Aug. 1973)	CONF-720510
<i>Clinical Uses of Radionuclides: Critical Comparison</i>	(Dec. 1972)	CONF-711101
<i>Compartments, Pools, and Spaces in Medical Physiology</i>	(Aug. 1967)	CONF-661010
<i>Evaluation of Current Developments in Municipal Waste Treatment</i>	(1977)	CONF-770108
<i>Fast Burst Reactors</i>	(Dec. 1969)	CONF-690102
<i>Inhalation Carcinogenesis</i>	(April 1970)	CONF-691001
<i>Interactive Bibliographic Systems</i>	(April 1973)	CONF-711010
<i>Luminescence Dosimetry</i>	(April 1967)	CONF-650637
<i>Medical Radionuclides: Radiation Dose and Effects</i>	(June 1970)	CONF-691212
<i>Morphology of Experimental Respiratory Carcinogenesis</i>	(Dec. 1970)	CONF-700501
<i>Myeloproliferative Disorders of Animals and Man</i>	(June 1970)	CONF-680529
<i>Neutron Dynamics and Control</i>	(May 1966)	CONF-650413
<i>Neutron Noise, Waves, and Pulse Propagation</i>	(May 1967)	CONF-660206
<i>Neutron Standards and Flux Normalization</i>	(Aug. 1971)	CONF-701002
<i>Noise Analysis in Nuclear Systems</i>	(June 1964)	TID-7679
<i>Precipitation Scavenging</i>	(1970)	CONF-700601
<i>Radiation Biology of the Fetal and Juvenile Mammal</i>	(Dec. 1969)	CONF-690501
<i>Radiation-Induced Voids in Metal</i>	(April 1972)	CONF-710601
<i>Radioactive Fallout from Nuclear Weapons Tests</i>	(1965)	CONF-765
<i>Radioactive Pharmaceuticals</i>	(April 1966)	CONF-651111
<i>Radioisotopes in Medicine: In vitro Studies</i>	(1968)	CONF-671111
<i>Radionuclide Carcinogenesis</i>	(June 1973)	CONF-720505
<i>Reactor Kinetics and Control</i>	(April 1964)	TID-7662
<i>Survival of Food Crops and Livestock in the Event of Nuclear War</i>	(Dec. 1971)	CONF-700909
<i>Technology of Controlled Thermonuclear Fusion: Experiments and the Engineering Aspects of Fusion Reactors</i>	(April 1974)	CONF-721111
<i>Thermal Ecology</i>	(1974)	CONF-730505
<i>Thermal Ecology II</i>	(1976)	CONF-750425
<i>Thorium Fuel Cycle</i>	(Feb. 1968)	CONF-660524
<i>Use of Computers in the Analysis of Experimental Data and the Control of Nuclear Facilities</i>	(May 1967)	CONF-660527
Critical Review Series		
<i>Analysis of Elemental Boron</i>	(1970)	TID-25190
<i>Fuels from Sugar Crops</i>	(1978)	TID-22781
<i>Kinetics of the Oxidation-Reduction Reactions</i>	(1975)	TID-26506
<i>Neptunium-237 Production and Recovery</i>	(1972)	TID-25955
<i>Reactor Noise Analysis in the Time Domain</i>	(1969)	TID-24512
Special Publications		
<i>Efficient Operation of Slot Forging Furnaces</i>	(1977)	TID-27440
<i>Gas Bubble Disease</i>	(1976)	CONF-741033
<i>Maintenance and Adjustment Manual for Natural Gas and No. 2 Fuel Oil Burners</i>	(1977)	TIC-27600
<i>Physical Mechanisms in Radiation Biology</i>	(1974)	CONF-721001



SYSTEM CHANGES

New Features Make Truncation Simpler

The current unrestricted truncation feature of DOE/RECON requires considerable discretion by searchers. It is frequently used to select singular and plural forms of a term, but often it will unintentionally cause output of many irrelevant citations. Another problem occurs when a stem with an inordinate number of entries or citations is selected. Such a search will be time-consuming and may even cause one to become disconnected from the system. Two new features can help with these problems.

Restricted Truncation

Searchers may now avoid unintended and irrelevant citations by restricting the truncation to entries having the stem itself plus a specified maximum number of additional characters. This is done by following the truncation symbol "\$" with one numeric digit (1 to 9):

```
S OIL$1
```

This specification would select citations having entries in the basic index of OIL, OILS, and any other four letter word beginning with OIL.

Such restricted truncation can be applied in any type of search that uses the unrestricted specification, as in superSELECT and adjacency searches. For example:

```
S CHARGE$1 AND POWDER$1  
S CONSERV$5/TI
```

Truncation Thresholds

The other new feature alerts searchers when a truncation stem would trigger an inordinately lengthy search. If a truncation specification would cause more than one thousand stems to be merged, the truncation is not accepted and a message is given:

```
S RN=D$  
>PROCESSING<  
LIMIT OF 1000 INDEX POINT EXCEEDED  
WARNING--TRUNCATION ABORTED--EXCESSIVE  
WORK
```

An estimate is made of the nominal elapsed time for a truncation search to be completed. If a search would exceed 40 minutes, it is not allowed:

```
S TRANS$  
>PROCESSING<  
PROBABLE EXECUTION TIME > 40 MIN  
WARNING--TRUNCATION ABORTED--EXCESSIVE  
WORK
```

It is hoped that these new features will reduce undesirable outcomes in truncation searching. Under study is yet another feature that would stop a lengthy search every five minutes, allowing the searcher to enter a code to continue or quit.

—C. Webster Gudmundson,
DOE/RECON Staff, ORNL

Cut! Second DOE/RECON Videotape Completed

The second videotape in the DOE/RECON video training program has been finished and will soon be available from TIC. This tape is designed for newcomers to the RECON system and teaches the basic RECON commands—BEGIN, SELECT, COMBINE, DISPLAY, and HELP—as well as logging in. It is suited for individuals and small groups at remote locations and will have a companion set of hands-on problems that use the commands and techniques presented in the tape.

The first tape, "DOE/RECON Overview," now available from TIC, was announced in last month's *Energinfo*. The overview can be used either as a promotional device to introduce DOE's information retrieval capabilities, or as the beginning of the instructional series, to set the stage for the specific training to follow.

In contrast to the first tape, the second is frankly instructional. Although it is designed to be used without an instructor present, we believe that students doing the associated exercises (which are in preparation) would benefit from having an experienced RECON searcher available to answer the inevitable unforeseen questions.

Further tapes in the series are scheduled to be produced this month and in the following months; the series is now expected to be completed in early Spring.

—Jo Maxon-Dadd, LBL

SEARCH TIPS

"Search Tips" is an occasional feature of *Energinfo* giving advice on the use of specific features of DOE/RECON and other aspects of searching. If you have search tips you would like to pass along, send them to the Editor, *Energinfo*, Information Research Group, Building 50, Room 130, Lawrence Berkeley Laboratory, Berkeley, CA 94720.

SuperSELECT

The superSELECT capability in EDB will affect thesaurus terms that contain a Boolean operator, e.g. SUPPLY AND DEMAND. To SELECT such terms, put them or the Boolean operator in double quotes:

```
S "SUPPLY AND DEMAND"  
S RESEARCH "AND" TEST REACTORS
```

Corporate Source Prefix

The corporate source prefix (CS=) can be used in several ways. However, the prefix must precede each term entered. For example:

```
S CS=ROCKWELL AND CS=INTERNATIONAL  
S CS=LAWRENCE (W) CS=BERKELEY  
S CS=SPERRY (W) CS=RAND AND CS=HUNTSVILLE
```

Yount Leaves DOE/RECON

Leon Yount, DOE/RECON Manager for the last 10 years, has announced his appointment as the ORNL Facility Manager for the Navy Civilian Personnel Data System. The facility will be operated in Oak Ridge under an interagency agreement between the Navy and DOE and will eventually link approximately 255 civilian personnel offices for 1800 Navy users, both in the United States and throughout the world.

Under Leon's leadership, the DOE/RECON system grew from a small leased-line network of just a few users to a large network offering dial-up access across the country to approximately 750 users. In addition, the data bases, which were once stored on slow-speed data cells, are now accessed from high-speed disk drives operating on a larger and faster IBM computer.

The RECON staff at ORNL wishes to express our appreciation to Leon for his many contributions to the RECON project and to wish him much success in his new position.

—Barbara Corey,
DOE/RECON Project Leader

Check Your Manual Updates

Users have been sent two updates to the *DOE/RECON User's Manual, Revision 1* (DOE/TIC-4586-R1) over the past six months. The first was issued in July and the second in October.

Manual Update 1 (DOE/TIC-4586-R1/UPD-1) includes revisions and additions to "The DOE/RECON System" and the "DOE/RECON Commands." It thus covers display and print formats, SAVE SEARCH and superSELECT commands, selective dissemination of information (SDI) searches, and online ordering (dated April 1983).

This update also includes revised data base sections for the Federal Energy Data Index (FED, file 7), Fallout Records Centralization (FRC, file 36), Energy Information Resources (EIR, file 37), and the Electric Power Data Base (EPD, file 39) (dated June 1983), as well as revised pages covering DOE/RECON charges, TYMNET access, and DOE/RECON telephone numbers (dated April 1983).

Manual Update 2 (DOE/TIC-4586-R1/UPD-2); mailed in October, includes a revised data base section for Nuclear Science Abstracts (NSA, file 2) and a new data base section for Nuclear Energy Software (NES, file 23) (dated August 1983).

If you have not received these updates or if you need additional copies, call Nancy E. Hardin, FTS 626-1278 or (commercial) 615/576-1278.

Manual pages concerning the Energy Data Base reload (EDB, file 1), proximity searching, and Energy Research in Progress (RIP, file 3) will be distributed in the near future.

DOE/RECON Statistics

DOE/RECON uptime for November was 92.9%. There were 4,118 user sessions, and 63,352 citations were output via the PRINT commands.

—Leon Yount, DOE/RECON Staff, ORNL



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