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THE LATEST DEVELOPMENTS ABOUT DOE'S TECHNICAL INFORMATION PROGRAM, PRODUCTS, AND SERVICES

TIC Reorganizes, Gets New Name

A major reorganization of the Technical Information Center was approved by DOE Headquarters on January 12. The official title of the organization has been changed from the Technical Information Center (TIC) to the Office of Scientific and Technical Information (OSTI). This change was made to reflect its responsibilities for DOE-wide policy and program development in scientific and technical information.

As OSTI, the reorganized center will continue to report to the Deputy Director for Administration under the Assistant Secretary for Management and Administration and will remain under the direction of Manager Joseph G. Coyne and Deputy Manager William M. Vaden. Three assistant managers complete the management staff:

- Assistant Manager for Information Acquisition and Appraisal—Charles E. Spath
- Assistant Manager for Information Systems and Technology—vacant (William M. Vaden, acting)
- Manager for Information Services—Thomas W. Laughlin

Staff officers reporting directly to the Manager will be Director, Office of Program Development and International Activities, Bonnie Carroll, and Director, Office of

Administration, David Harrill. The Washington OSTI, managed by Elizabeth Buffum, will remain unchanged.

Implementation will occur incrementally between February 19 and June 30, 1984.

The title Technical Information Center will still be used to refer to the physical location of OSTI and to activities related to publishing and information dissemination.

Clinch River Software Being Reviewed

When the Clinch River Breeder Reactor (CRBR) project is closed out, a large number of computer software programs will be left in various stages of development by CRBR contractors. As part of the closeout procedure, these programs are being evaluated to determine which are suitable for future use. Plans are for the National Energy Software Center (NESC) to complete the verification of software considered to be of value to others. The software deemed usable will then be included in the NESC library.

TYMNET 800 Number Changed

TYMNET has a new number for its Customer Support service. This toll-free number is:
800-336-0149

NESC Computer Upgraded

The National Energy Software Center (NESC) has received permission from the DOE Office of Scientific and Technical Information (OSTI) for a major upgrade of their computer capability. An IBM 4331 having three megabytes of central memory will replace the NESC 360/40. This upgrade will permit NESC to store its data base of available software more efficiently and to computerize its data base of commercial software. The data base of commercial software includes information on discounts available to DOE. The new computer should be installed and running this month. Plans are being made for the NESC computer to be placed on network to allow DOE users direct access to the NESC computer.

DOE/RECON Statistics

DOE/RECON uptime for January was 99.1%. There were 5,852 user sessions; 210,986 citations were output via the PRINT commands; 327 PEPs (Personal Energy Profiles) were run; and 77 online orders were placed.

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



DOE Technical Information Center
P.O. Box 62
Oak Ridge, TN 37831

Pub
416

NEW PUBLICATIONS

Resource Directory of DOE Information Organizations

(DE83009126, DOE/TIC-4616-Rev. 1; 219 pages, 5 1/2 by 8 1/2 inches, paperbound, NTIS; \$15.50)

This directory is an updated guide to 217 DOE and contractor offices, libraries, information centers, etc., arranged by organization. When applicable, offices are arranged hierarchically. Each entry includes a mailing address and telephone number; a list of key personnel, with titles and telephone numbers; and a brief description of the organization. Organization and individual name indexes are also provided. Copies for official use may be requested from the Customer

Services Division, Technical Information Center. Others can purchase copies from the National Technical Information Service.

National Energy Software Center (DE83003194, DOE/TIC-11469-Rev. 1)

This 16-page brochure describes the National Energy Software Center, which is operated by Argonne National Laboratory for the DOE Office of Scientific and Technical Information. The Center collects, packages, maintains, and distributes computer programs, models, systems routines, and data compilations developed by DOE, the Nuclear Regulatory Commission, and their contractors. Copies are available free from TIC.

Did You Know...

...That the superSELECT capability and the new truncation feature are available for all DOE/RECON files?

SuperSELECT allows users to select multiple terms and combine them all in one command. But remember that a basic index (merged descriptors, title words and abstract words) is structured in the Energy Data Base (EDB, file 1) only. All other data bases require a prefix if the term selected is not a descriptor; for example: S TL=CRATERS AND TL=VERTICAL.

The new truncation feature allows searchers to restrict truncation to entries having the stem plus a specified number of additional characters; for example: S CRATER\$1 (See December *Energinfo*, vol. 7, no. 12, p. 4.)

NS2 Online

Enclosed with this issue is the Data Base Summary Sheet for Nuclear Science Abstracts II (NS2, file 5). The NS2 file contains all references announced in the first 20 volumes (1948-1966) of *Nuclear Science Abstracts*. References announced in volumes 21 (1967) through 33 (June, 1976) are contained in NSA, file 2. Neither file contains abstracts, and neither will

have further references added.

Although both NSA and NS2 are taken from the published version of *Nuclear Science Abstracts*, not all of the searchable indices are the same. NS2 indices reflect changes that were made on the reload of the Energy Data Base (EDB, file 1), i.e., the file has additional indices that increase the number of access points to

information—for example, conference location, conference title, and conference year.

In addition, the two data bases treat certain search prefixes differently. The accompanying table displays these differences.

Prefix	NSA	NS2
CN=	Contract Number Prefix CN=W	Contract Number CN=W7405eng39
PN=	Patent Nation PN=French	Patent Number or Patent Nation PN=FRENCH1401115 or PN=FRENCH (Patent number as well as the patent nation is searchable)
RP=	Report Prefix RP=ORNL (Contains primary prefix only)	Report Prefix RP=ORNL or RP=ORNLTM (Contains all alphabetic fragments preceding the number.)
NC=	Subject Category NC=46130	
SC=		Subject Category SC=BIOLOGY AND MEDICINE
TL=	Title Word TL=ROCK	
TI=		Title Word TI=ROCK

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NUCLEAR SCIENCE ABSTRACTS II

SOURCE

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Department of Energy
P.O. Box 62
Oak Ridge, TN 37831

REPRESENTATIVE

David Bost, Director, Science and Technology Division
Technical Information Center
FTS 626-1155 Comm. (615) 576-1155

DESCRIPTION

This file contains references that were announced in Volume 1 (1948) through Volume 20 (1966) of *Nuclear Science Abstracts*. For references that were announced in volumes 21 through 33 of the published version of *Nuclear Science Abstracts*, see *File 2*. No further references will be added to this file. Nuclear information processed at the DOE Technical Information Center since 1976 is now included in the DOE Energy Data Base (EDB) on RECON.

SUBJECT COVERAGE

Nuclear Science Abstracts is a comprehensive abstract and index collection of international nuclear science and technology literature. It includes scientific and technical reports of the U.S. Atomic Energy Commission and its contractors, other government agencies, universities and industrial and research organizations. In addition, books, conference proceedings and/or papers, patents, dissertations, engineering drawings, and journal literature on a selected worldwide basis are also indexed.

SIZE

393,258 citations

INCLUSIVE DATES

1948 through 1966.

UPDATE FREQUENCY

No longer updated.

AVAILABLE FORMATS

- 0 Full record
- 1 Accession number
- 2 Bibliographic citation, descriptors
- 3 Bibliographic citation
- 4 Accession number, title
- 5 Bibliographic citation, descriptors
- 6 Accession number, title, report number
- 7 Bibliographic citation

SEARCH AIDS

1. *Euratom Subject Thesaurus*, May 1969. Hierarchically structured and modified by the Atomic Energy Commission, Division of Technical Information Extension. Issued July 1970. U.S. Atomic Energy Commission. TID-25439. Available from TIC.
2. *Subject Scope of Nuclear Science Abstracts*, TIC, September 1960. TID-4552-R2. Available from TIC.
3. *Energy Information Data Base: Serial Titles*, March 1982. DOE/TIC-4579-R12. Available from NTIS. Price code A99.
4. *Guide to Abstracting and Indexing for Nuclear Science Abstracts*, October 1961. TID-4576. Available from TIC.
5. *Energy Information Data Base: Report Number Codes*, September 1979. DOE/TIC-85-R13. Available from NTIS. Price code A13.
6. *Energy Information Data Base: Corporate Author Entries*, August 1982. TID-4585-R3. Available from NTIS. Price code A99.
7. *Standard Distribution for Unclassified Scientific and Technical Reports*, March 1983. DOE/TIC-4500-R71. Available from TIC.
8. *Corporate Author Headings Used by the U.S. Atomic Energy Commission in Cataloging Reports*, TIC, February 1979 reissue. TID-5059-R11(Suppl.). Available from NTIS. Price code A10.
9. *Subject Headings Used by the USAEC Division of Technical Information*, TIC, February 1971. TID-5001-R10. Available from NTIS. Price code A12.

TYPICAL RECORD

TI= <ACCESSION NO.> 19R0007659
AU= <TITLE(MONO)> CRATERS FROM TWO CHARGES BURIED IN VERTICAL ARRAY
<AUTHORS> VORTMAN, L.J.
<PAGES> 132p.
CS= <CORPORATE SOURCE> Sandia Lab., Albuquerque, N. Mex.
DT= <DOCUMENT TYPE> R
RN= <REPORT NO.> SC-RR-64-1239
AV= <AVAILABILITY> NTIS
CN= <CONTRACT NO.> Contract AT(29-1)--789
YR= <DATE> Nov. 1964
SC= <SUBJECT CATEGORY> ENGINEERING; Applications of Nuclear Explosions
<DOCUMENT CATEGORY> R
<ACCESSION NO.> 19:0007659
IT= , <DESCRIPTORS> CONFIGURATION; CRATERS; EXPLOSIONS; UNDER-
GROUND EXPLOSIONS

RETRIEVAL METHODS

SUBJECT APPROACH, TEXT*			
PREFIX	FIELD	AUTHORITY/ DESCRIPTION	EXAMPLE
DN= IT= TI=	Drop Notes Descriptors Title Words	TID-25439 DOE/TIC-4586-R1 NSA Chapter	DN=TRANSLATED IT=UNDERGROUND EXPLOSIONS TI=VERTICAL
SUBJECT APPROACH, CODES			
SC=	Subject Categories		SC=BIOLOGY AND MEDICINE

*Note that the LOOK command may be used to retrieve title and title augmentation, e.g., LK5/t/'rock'.

OTHER SEARCHABLE FIELDS			
PREFIX	FIELD	AUTHORITY/ DESCRIPTION	EXAMPLE
AU=	Author	DOE/TIC-4586-R1 NSA Chapter	AU=ALVERSON, R.C. AU=ALVAREZ, R.A. JR.
AV=	Availability		AV=NTIS
CL=	Conference Locations		CL=PARIS
CT=	Conference Title		CT=PACIFIC
CY=	Conference Year		CY=1963
CN=	Contract Number	<i>ibid.</i>	CN=W7405ENG39
CS=	Corporate Source	<i>ibid.</i>	CS=ARGONNE
DT=	Document Type	<i>ibid.</i>	DT=R
FD=	Filed Date (Patents)		FD=1957
IS=	ISSN No.		IS=0001-5318
JO=	Journal CODEN	DOE/TIC-4579-R12	JO=PRLTA
JN=	Journal Title	<i>ibid.</i>	JN=PHYSIQUE
LA=	Language	DOE/TIC-4586-R1 NSA Chapter	LA=FOREIGN LA=GERMAN\$
PN=	Patent Number		PN=FRENCH1401115
RN=	Report Number	<i>ibid.</i>	RN=UCRL1275
RP=	Report Prefix	<i>ibid.</i>	RP=UCRL
YR=	Year of Publication	<i>ibid.</i>	YR=1953

Nuclear Structure File Updated

An updated version of the Nuclear Structure References (NSR, file 16) data base has become available on the DOE/RECON system. The newly indexed data base was supplied by the National Nuclear Data Center (NNDC), Brookhaven National Laboratory. The data base contains approximately 92,000 references (last update, 1/16/84) covering all aspects of low- and intermediate-energy nuclear physics research. Updates for the data base will be prepared at four-month intervals to correspond with the publication of "Recent References" in the journal *Nuclear Data Sheets*.

Searching on the reloaded version is quite different from searching on the previous version. The retrieval method is principally by selecting particular nuclei or targets of nuclear reactions. Each may be selected by placing an N: (for nucleus) or T: (for target) as the first parameter, then the mass number of the isotope, followed by the chemical symbol. For example, if you were looking for all references to the nuclear characteristics of zirconium-94, your search term would read as follows:

S N:94ZR

In searching for instances where uranium-238 is a target, your search statement would be:

S T:238U

Many selectors are indexed in scientific notation, e.g., half-life becomes T1/2, and is searched as:

S "T1/2"

Terms containing a slash (/) should be put in double quote marks (" "), as in the example above.

To select nuclear reactions—for example, neutron fission (n,f)—the IT prefix must be used as follows:

S IT=(N,F)

Searchers should disregard the present Nuclear Structure Reference chapter in the

DOE/RECON User's Manual. A new NSR chapter and data base summary sheet is in preparation. Questions on searching NSR should be directed to:

Charles L. Dunford
National Nuclear Data Center
Building 197D
Brookhaven National
Laboratory
Upton, New York 11973
FTS 666-2804 or
Commercial: (516) 282-2804

The accompanying table lists NSR data elements and their print/display formats.

Table 1. Nuclear Structure Reference (NSR) Data Base Unit Record

Descriptor Field	Searchable Field	Printable Fields in Formats							Search by	Example
		0	2	3	4	5	6	7		
Key Number	X	X	X	X	X	X	X	X	DN=	DN=80WI12
Title	X	X	X	X	X	X	X	X	TL=	TL=MONOPOLE
Authors	X	X	X	X		X		X	AU=	AU=WILLIS, A.
Reference		X	X	X		X		X		
Keywords		X	X		X	X		X		
Coden		X		X				X		
Selectors	X	X	X			X			IT=	IT=RESONANCE

Guidace Leaves TIC

Vincent C. Guidace, formerly Assistant Manager for Data Base Development and Operations at the Office of Scientific and Technical Information, Technical Information Center, resigned in January to accept the position of Manager of the Navy's Automated Data Systems Office in Indian Head, Maryland. This office is responsible for

developing standardized computer systems for Department of the Navy shipyards and ordnance stations.

William M. Vaden, OSTI Deputy Manager, is acting as Assistant Manager for Information Systems and Technology, the new title of the position being vacated, until a permanent replacement is found.

Calendar of Events

1984

- | | | | |
|-----------|---|----------|---|
| March 16 | DOE Energy Data Base Workshop (Searching EDB on commercial search systems) New York University, New York, NY
Contact: Martin Kesselman, New York University, Bobst Library, 70 Washington Square South, New York, NY 10012, (212) 598-3696 or (212) 598-3160 | April 5 | DOE/RECON Update Training (for experienced DOE/RECON searchers)
The Forrestal Building, Washington, DC |
| April 2 | Basic DOE/RECON Training: Introductory Module on Using Terminals (optional session for novice users)
The Forrestal Building, Washington, DC | April 13 | DOE Energy Data Base Workshop (Searching EDB on commercial search systems) In conjunction with the National Online Meeting Sheraton Centre Hotel, New York, NY
(Contact <i>Energinfo</i> editor) |
| April 3-4 | Basic DOE/RECON Training (for newer users)
The Forrestal Building, Washington, DC | June 4-7 | Technical Information Users Meeting
DOE/RECON Update Training
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.

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