

# THE NLM TECHNICAL BULLETIN

## REGULAR ITEMS

- 2 Files
- 3 Technical Notes
- 16 Serials Update

## ARTICLES & FEATURES

- 6 MEDLARS Training: Codes And Practice Time
- 10 NLM Subset Program Update
- 12 CAS Registry Numbers In Cancer Databases
- 14 PDQ To Be Announced Via Hospital Satellite Network
- 14 NLM Serials Retrospective Contract

Appendix A - NLM Domestic And Foreign Charges  
Appendix B - Phones List

Enclosure - Letter Announcing CHEMLINE/TOXLINE  
Price Changes



Contents Not Copyrighted • Freely Reproducible

NLM TECHNICAL BULLETIN - JAN 85

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	13,088	THROUGH 1985	10 JAN 85	
BIOETHICS	17,502	JAN 73-DEC 84	10 DEC 84	8412(EM)
CANCERLIT	432,518	JAN 63-DEC 84	10 DEC 84	8412(EM)
CANCERPROJ	21,117	1978-1981	12 NOV 81	8110(EM)
CATLINE	585,983	THROUGH 1985	10 JAN 85	
CHEMLINE	619,369		24 DEC 84	8412(EM)
CLINPROT	4,689		31 DEC 84	8412(EM)
DIRLINE	14,049		16 AUG 84	
EXPRESS	7,175	SEP 84-DEC 84	10 DEC 84	8412(EM)
HEALTH	299,478	JAN 75-FEB 85	15 JAN 85	8502(EM)
HISTLINE	64,649		07 JAN 85	8501(EM)
MEDLINE	488,507	JAN 83-FEB 85	07 JAN 85	8502(EM)
MED80	804,874	JAN 80-DEC 82	10 DEC 84	
MED77	775,167	JAN 77-DEC 79	10 DEC 84	
MED75	642,710	JAN 75-DEC 76	10 DEC 84	
MED71	883,906	JAN 71-DEC 74	10 DEC 84	
MED66	954,650	JAN 66-DEC 70	10 DEC 84	
MESH VOC	52,619	1985	14 JAN 85	
NAME AUTH	170,134		07 JAN 85	
PDQ	972		24 DEC 84	8411(EM)
POPLINE	128,208	1970-DEC 84	24 DEC 84	8412(EM)
RTECS	70,029	THROUGH JUL 84	12 SEP 84	
SDILINE	23,227	FEB 85	07 JAN 85	8502(EM)
SERLINE	53,368	1984	18 DEC 85	
TDB	4,112		06 SEP 84	
TOXLINE	508,794		17 DEC 84	8412(EM)
CBAC	294,232	1981-VOL 101(10,11)		
TOXBIB	109,604	1981-JAN 85		
IPA (ASHP)	24,842	1981-VOL 21 (21,22,23)		
HEEP	41,880	1981-VOL 14(1)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	5,937	1981-APR 1984		
TD3	13,980	1981-GRA&I 84 (18-21)		
HMTC	563			
ILO	2,843	NOV 1984		
RPROJ/CRISP	4,518	FISCAL YEAR 1983		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXBIB	106,643	1976-1980		
IPA(ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA(ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAPAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		

Editor: Carolyn B. Tilley	Direct Inquiries to:
Assistant Editor: T. Scott Plutchak	MEDLARS Management Section
Technical Notes Editor: Patricia E. Healy	National Library of Medicine
(301) 496-6193	Bldg. 38A, Rm. 4N421
	Bethesda, Maryland 20209

TECHNICAL NOTES

Whenever applicable, the heading of each Technical Note includes a reference to the section of the 1982 Online Services Reference Manual that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

WASHINGTON'S BIRTHDAY HOLIDAY SCHEDULE - The NLM computer will be up on Monday, February 18, 1985, the day of the Federal government observance of George Washington's Birthday. Non-prime rates will be in effect all day. The MEDLARS Management Service Desk will not be staffed. On George Washington's Birthday, Friday, February 22, 1985, the NLM computer will be up and the MMS Service Desk staffed. Regular rates will be in effect all day.

MEDLINE AND BACKFILES 1985 - Reminder: Effective December 10, 1984, citations with 1982 or earlier years of publication, as well as any citations with 1982 Entry Months (EM), were dropped from the MEDLINE database and added to the MED80 Backfile. MEDLINE is now a two-growing-to-three year file containing citations primarily from 1983 forward. The MED80 Backfile now has citations primarily from the years of publication 1980, 1981, and 1982.

SAVESEARCH MESSAGE CHANGE (Manual 5.3+) - Effective December 10, 1984, the message received upon completion of a SAVESEARCH or SAVE command has been changed to read:

SEARCH SET FROM SS 1 FORWARD SAVED AS 'SEARCHNAME'.

The word "FORWARD" was added to the original message to make it clear to users of the SAVE/SAVESEARCH capability that all Search Statements from Search Statement 1 up to and including the last Search Statement, are saved. When the SAVE/SAVESEARCH is later executed, all Search Statements are executed. Searchers are reminded, however, that the postings received from the execution of a SAVE/SAVESEARCH are the postings retrieved from the last Search Statement of the SAVE/SAVESEARCH only. Therefore, searchers should take care that their search logic is complete in the last Search Statement to assure accurate search results.

REVISED PDQUFS MANUAL - All users who have been assigned passwords to PDQUFS (PDQ User-Friendly System) will automatically be sent the revised PDQUFS Manual directly from the National Cancer Institute. These manuals should arrive by the end of January. Please see the December 1984 Technical Bulletin for more information about PDQ.

MLA CREDIT FOR ATTENDANCE AT NLM-SPONSORED "TRAINING TRAINERS" WORKSHOPS - The Medical Library Association has approved the awarding of 6.1 continuing education contact hours to searchers who attend "Teaching MEDLINE to the Health Professional: A Workshop for Search Intermediaries." Eligibility for receiving these contact hours is based upon attendance at one of the NLM-sponsored "Training Trainers" workshops or by attendance at a workshop sponsored by either of the two NLM-contract training staffs at the University of California at Los Angeles (RML7) or the University of Nebraska at Omaha (RML4). An attendee at one of the above training sessions is able to not only train health professionals but may also train other search intermediaries to be health professional trainers. The 6.1 contact hours can only be extended to these attendees if the course is taught in the exact format as the NLM workshop which their trainer attended. Any trainer who deviates from the presentation format used at an NLM-sponsored session must apply for certification through the Medical Library Association for their own "Training Trainers" program.

MLA members, when applying for recertification, should notify the MLA with the dates of the "Training Trainers" session they attended or should send a copy of their certificate along with their application.

1985 MESH CHEMICAL TOOL - The Medical Subject Headings -- Supplementary Chemical Records, 1985, may now be ordered from the National Technical Information Service (NTIS). (Publication is scheduled for late February.) The publication number is PB85-116416 and the prices for the hardcopy and microfilm versions are as follows:

	<u>U.S./Canadian Price</u>	<u>Non-United States Price</u>
Hardcopy	\$22.00	\$44.00
Microfiche	\$7.50	\$15.50

Please send remittance with orders to:

National Technical Information Service  
 5285 Port Royal Road  
 Springfield, Virginia 22161  
 (703) 487-4650 (for telephone orders with  
 deposit account or credit card)

The third edition of this chemical information tool supersedes the 1984 publication and contains records of approximately 24,000 chemicals which have been mentioned in a significant way in journal articles indexed for

- 1985 MESH  
CHEMICAL TOOL  
(CONTINUED)
- MEDLINE since 1970. The publication is intended as an aid to indexers and users of Index Medicus and MEDLINE. Beginning in January 1985, this publication will also be useful when searching the various NCI databases. (Please see related article on p.9 of this issue.)
- CHEMLINE/  
TOXLINE PRICE  
CHANGES
- A letter is enclosed with this issue informing domestic users of CHEMLINE/TOXLINE price changes due to royalty fee changes, effective February 1, 1985.
- DIRLINE  
SELF-  
INSTRUCTIONAL  
GUIDE
- The DIRLINE Self-instructional Guide will be sent out with the February 1985 NLM Technical Bulletin. Copies may be obtained prior to that time by writing Specialized Information Services at NLM or calling (301) 496-1131.
- NLM DOMESTIC  
& FOREIGN  
PRICE STRUCTURE
- Appendix A contains the complete NLM price structure for all domestic and foreign online and tape users, effective April 1, 1985. Domestic users should note that all online prices remain the same with the following exceptions:
- 1) CHEMLINE/TOXLINE price changes (as noted in the above Technical Note);
  - 2) the minimum monthly charge of \$15.00 per User ID code is being discontinued as of April 1, 1985.
- PHONES LIST
- A list of available telephone numbers that can be used to access the NLM computer is enclosed as Appendix B (bound separately).

*PLEASE ACCESS FILE INFORM AND TYPE NEWS TO SEE THE MOST  
RECENT NEWS ITEM ONLINE!*

MEDLARS TRAINING: CODES AND PRACTICE TIME

Carolyn B. Tilley and Patricia Clark Buchan  
MEDLARS Management Section, NLM

In 1977, the National Library of Medicine introduced the one-week Initial Online Services Training Class. This was followed by the development of a week-long Advanced Training Class. These courses were designed to teach librarians the essential mechanics of searching the MEDLARS databases accompanied by several hours of "hands-on" terminal practice.

Over the years the demographics of NLM's MEDLARS user-population has greatly changed. The most dramatic change has been the increase in the number of persons being trained in the Online Training Classes. Today NLM trains approximately 1,000 searchers per year in more than 40 classes compared to 254 searchers trained in 17 classes in 1977.

Assisting in this effort are the University of Nebraska at Omaha (RML 4) and the University of California at Los Angeles (RML 7) who have been contracted to conduct approximately 10-12 training classes per year at regional sites. In addition, NLM staff conducts approximately 3-5 courses at locations throughout the United States. This enables searchers to attend training courses at sites more convenient to their geographic locale.

In the past few years, the other major change in the user population of the MEDLARS system has been the varying backgrounds and disciplines of the searchers. Chemists, pharmacists, physicians, nurses, dentists, toxicologists, environmentalists and many other subject specialists are applying for access to NLM's system and attending online training.

In an effort to meet the more specific and limited search needs of this user population, NLM developed a one-day health professional training program. This course, designed to be taught in a six-hour lecture format with optional practice time, has been taught several times by NLM training staff. In addition, similar classes have been conducted by search intermediaries who have been trained at NLM-sponsored workshops designed for "Teaching MEDLINE to the Health Professional". Regional offerings of the health professional training courses as well as training sessions to prepare intermediaries to teach health professionals can be located by contacting your Regional Medical Library.

As an extension of its interest in online training, NLM offers Educational Access Codes for universities or other institutions with library/information science programs. These codes allow access to MEDLARS while providing instruction on the online bibliographic retrieval system. Course instructors apply for these codes by completing a special application packet and by submitting a course syllabus or description. A maximum of ten codes per class which are billed at non-prime time rates are provided under this program.

In an effort to provide effective learning mechanisms for all searchers, NLM will institute a new program beginning April 1, 1985. A limited amount of free practice time will be provided on any MEDLARS database for all new searchers. The time will be credited on the first month's invoice for regular system access codes in the amount of \$40 and must be used within that first month. This amount is equivalent to approximately two hours of MEDLINE use at prime-time rates. The \$40 practice-time credit will also apply to new Educational Access Codes.

To support health professional training, NLM has established a limited number of non-billed codes for use by trainers and trainees during presentations of "The Basics of Searching MEDLINE," the seminar for the health professional. (See the article, "Teaching MEDLINE to the Health Professional," in the November 1984 NLM Technical Bulletin). In order to obtain a code (or codes), complete the form which follows and return it to the MEDLARS Management Section. A blank copy of this form should be photoduplicated and kept on file so future requests for training codes can be easily made.

No more than ten codes can be requested for a single health professional training session (remember, only one code is needed per terminal). The amount of non-billed time available for terminal hands-on practice time should be limited to no more than a total of two hours per individual for the course. Health professional training classes should be completed within 30 working days; non-billed codes under this program will not be available for classes exceeding this time limit. Special Educational Access Codes, as briefly described above, are available for classes extending beyond the 30-day limit. The special training codes available for teaching MEDLINE to the health professional will only have access to MEDLINE, its backfiles, and INTROMED.

Requests for training codes should be submitted several weeks prior to the training class to allow for notification of the codes through the mail. No telephone requests for these codes should be made; therefore, it is recommended that plans for the online portion of the training classes be made in advance.

NLM would like a record of all health professionals trained to search the MEDLARS databases. Upon completion of all training seminars (whether or not hands-on time was part of the course), all trainers should submit a list of their class attendees. To standardize these lists, the attached form should be completed by the attendees at the training classes and returned to the MEDLARS Management Section as soon as possible after the class. It is advisable to keep a supply of these forms available for all training sessions.

Any questions concerning the use of training codes for health professional seminars or about practice time for searchers trained in Initial courses or NLM's Educational Code Access Program should be directed to the MMS Service Desk at (800) 638-8480 or (301) 496-6193.

\*\*\*\*\*

REQUEST FOR TRAINING CODE(S) FOR  
"TEACHING MEDLINE TO THE HEALTH PROFESSIONAL"

NAME OF TRAINER \_\_\_\_\_

ORGANIZATION \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY/STATE/ZIP \_\_\_\_\_

TELEPHONE NUMBER ( ) \_\_\_\_\_ ext.

\*\*\*\*\*

DATE(S) OF TRAINING \_\_\_\_\_

LOCATION OF TRAINING \_\_\_\_\_

TOTAL LENGTH OF TRAINING                      DAYS                      HOURS PER DAY

NUMBER OF TERMINALS/CODES  
TO BE USED  
(ONE CODE PER TERMINAL) \_\_\_\_\_

ANTICIPATED NUMBER OF  
ATTENDEES \_\_\_\_\_

COMPOSITION OF AUDIENCE \_\_\_\_\_

ADDITIONAL PRESENTER(S) \_\_\_\_\_

I agree to send the National Library of Medicine a list of class attendees  
upon completion of this training program.

SIGNATURE \_\_\_\_\_

Please return to: MEDLARS Management Section  
National Library of Medicine  
8600 Rockville Pike  
Bethesda, MD 20209

\*\*\*\*\*

Do not write below this line

FOR NLM USE ONLY

DATE(S) OF TRAINING \_\_\_\_\_

ASSIGNED TRAINING CODE(S) \_\_\_\_\_

AUTHORIZED BY \_\_\_\_\_

DATE ASSIGNED \_\_\_\_\_



PROFILE OF PARTICIPANTS  
"THE BASICS OF SEARCHING MEDLINE"

1. NAME: \_\_\_\_\_

2. INSTITUTIONAL  
AFFILIATION: \_\_\_\_\_

3. MAILING  
ADDRESS: \_\_\_\_\_

4. WORK  
TELEPHONE NO: (    ) \_\_\_\_\_ ext.

5. MEDICAL  
PROFESSION (general, such as):

\_\_\_\_ Physician

\_\_\_\_ Dentist

\_\_\_\_ Nurse

\_\_\_\_ Researcher

\_\_\_\_ Medical student

\_\_\_\_ Other (please specify)  
\_\_\_\_\_

6. If a physician, please check your area of specialization.

\_\_\_\_ 03 Allergy and Immunology

\_\_\_\_ 45 Otolaryngology

\_\_\_\_ 05 Anesthesiology

\_\_\_\_ 50 Pathology

\_\_\_\_ 10 Colon and Rectal Surgery

\_\_\_\_ 55 Pediatrics

\_\_\_\_ 15 Dermatology

\_\_\_\_ 60 Physical Medicine  
and Rehabilitation

\_\_\_\_ 16 Emergency Medicine

\_\_\_\_ 65 Plastic Surgery

\_\_\_\_ 18 Family Practice

\_\_\_\_ 70 Preventive Medicine

\_\_\_\_ 20 Internal Medicine

\_\_\_\_ 75 Psychiatry and Neurology

\_\_\_\_ 25 Neurological Surgery

\_\_\_\_ 80 Radiology

\_\_\_\_ 28 Nuclear Medicine

\_\_\_\_ 85 Surgery

\_\_\_\_ 30 Obstetrics and Gynecology

\_\_\_\_ 90 Thoracic Surgery

\_\_\_\_ 35 Ophthalmology

\_\_\_\_ 95 Urology

\_\_\_\_ 40 Orthopaedic Surgery

NLM SUBSET PROGRAM UPDATE

Jane L. Rosov  
 MEDLARS Management Section, NLM

The National Library of Medicine's MEDLINE subset program has been in effect for several months. Hundreds of information packets have been sent to requesters and many sample subset tapes have been issued. Production of Individualized and Custom Subsets (i.e., those subsets with strategies designed specifically for and by the subset requester) is scheduled for early 1985.

Up to the present time, Predetermined Subsets (i.e., those subsets with strategies predetermined by NLM) have not been available. NLM is now soliciting suggestions for such subsets. It is hoped that the content of these subsets will be of use to a sizeable number of people. Examples of suggestions to date include citations from the Brandon list of journals, and citations from the Abridged Index Medicus (AIM) list of journals. Please forward to MMS any ideas for possible Predetermined Subsets which may be of interest to the information/health care community at large. For more information concerning the NLM Subset Program, please see the September 1984 NLM Technical Bulletin.

After receiving the subset information packet, several individuals have asked for data concerning MEDLINE storage requirements. The following charts have been prepared and are now included as part of the subset information packet.

Please call or write to MMS for a complete NLM subset information packet.

CURRENT MEDLINE STORAGE REQUIREMENTS

<u>Data Element Option</u>	<u>Average # Bytes/Record</u>
1. Standard	160
2. Standard plus MH	375
3. Standard Plus AB	760
4. Standard plus MH,AB,TT,LA,RN,ID	1000
5. All available data elements	1200-1400*

\*pre-1975 records are approximately half this size (there are no author-generated abstracts included with these records)

MEDLINE RETRIEVAL FILE STORAGE REQUIREMENTS  
(does not include Index, Postings or Ranging Files)

<u>File</u>	<u>Citations</u>	<u>#Blocks</u>	<u>Average Record Size</u>	<u>Total Storage Megabytes</u>	<u>#3350</u>	<u>#3380</u>
Average one year of MEDLINE*	300,000	66,300	1,233	371.3	1.2	0.6
Current MEDLINE**	465,280	111,201	1,328	617.9	2.0	1.0
MED80	804,874	161,440	1,134	912.7	2.9	1.4
MED77	775,206	130,796	968	750.4	2.4	1.2
MED75	642,721	101,495	910	584.9	1.8	0.9
MED71	884,025	91,737	614	542.8	1.7	0.9
MED66	954,760	89,705	558	532.8	1.7	0.8

\*Based on 8401-8412 Entry Month (EM) which included 293,160 citations.

\*\*8301-8501 Entry Month (EM).

Storage capacity of 3350's is 317 megabytes/disk and 634 megabytes/disk for the 3380's.

MESH VOCABULARY STORAGE REQUIREMENTS

MeSH Vocabulary File unit record (all data elements):  
Average 280 bytes/record.

Record counts as of December 1984 are:

MeSH Headings - 15,000  
Subheadings - 700  
Chemicals - 36,500

\*\*\*\*\*

CAS REGISTRY NUMBERS IN CANCER DATABASES

James W. Carter  
National Cancer Institute  
Lou Wave S. Knecht  
MEDLARS Management Section, NLM

Beginning in January 1985, the CANCERLIT and CANCEREXPRESS databases will have enhanced chemical searching features. Prospective records in both files will now include the Chemical Abstracts Service Registry/Enzyme Commission Number (RN) field. Records entering CANCERLIT and CANCEREXPRESS from MEDLINE will contain the RN field effective with their 8501 Entry Month (EM) updates. Records entering CANCERLIT from non-MEDLINE sources are expected to contain the RN field by the 8503 Entry Month. The RN field will not be added to retrospective records, i.e., data entered before the 8501 updates.

RN FIELD REVIEW

The RN data element consists of two pieces of information: 1) the RN or Enzyme Commission number itself, and 2) the name of the chemical or substance, which is enclosed in parentheses. Examples are:

57-22-7 (Vincristine)  
363-24-6 (prostaglandin E2)  
EC 3.1.1.34 (Lipoprotein Lipase)  
EC 3.5.2.- (Beta-Lactamases)

The Name of Substance can be a MeSH heading or a supplementary chemical term. Supplementary chemical terms are a part of the NLM-controlled subject vocabulary used in indexing. The annual printed product in which they appear is called Medical Subject Headings -- Supplementary Chemical Records. (For ordering information see the Technical Notes on p. 3 of this issue.) Chemicals indexed by NLM are established as either a MeSH Heading (MH) or a Name of Substance (NM) in the MESH Vocabulary File. For example, "Vincristine" is a MeSH Heading and "prostaglandin E2" is a supplementary chemical term Name of Substance. The following shows how each indexing term would appear on a citation:

MH - Vincristine                      RN - 363-24-6 (prostaglandin E2)  
RN - 57-22-7 (Vincristine)

Note that the term "Vincristine" appears twice (once as an MH and once in the RN field to identify its CAS Registry Number) while the term "prostaglandin E2" appears only in the RN field. Therefore, a chemical that is also a MeSH term can be searched as a Name of Substance and as a MeSH heading.

SEARCHING THE RN FIELD

The two pieces of data that print in the RN field must be searched separately. The CAS Registry Number is directly searchable alone and use of the (RN) qualifier is optional. The name of the substance is directly searchable alone without the surrounding parentheses, but the (NM)

qualifier must be used. Again using the two chemicals from above, sample search statements are:

57-22-7 (rn)	363-24-6
57-22-7	363-24-6 (rn)
Vincristine (nm)	prostaglandin E2 (nm)

Sometimes in the MESH Vocabulary File, additional information on a chemical such as related registry numbers or synonyms are recorded. If so, these alternate numbers and names may be used to search a chemical in a bibliographic file as if they were the established form. For example, PGE2 is a synonym for prostaglandin E2. Typing PGE2 (NM) in CANCERLIT would retrieve the correct postings for prostaglandin E2 through a special ELHILL search term mapping program that consults the MESH Vocabulary File.

Chemicals that are MeSH headings may also be retrieved by searching the MH field (remember that you must qualify (MH) in CANCERLIT) and by using entry terms ("see" references) for the MH. For example:

Vincristine (mh)	- established MH
vincrisul (mh)	- entry term for Vincristine
leurocristine (mh)	- entry term for Vincristine

#### CHEMICAL SEARCHING SUMMARY

For the two chemicals used throughout this article, the following list summarizes possible search techniques as illustrated for CANCERLIT:

	<u>Vincristine</u>	<u>prostaglandin E2</u>
MeSH heading:	Vincristine (mh)	N/A
Entry term for MH:	vincrisul (mh)	N/A
Registry number:	57-22-7	363-24-6
	57-22-7 (rn)	363-24-6 (rn)
Name of substance*:	Vincristine (nm)	prostaglandin E2 (nm)
Synonym for NM:	N/A	PGE2 (nm)
Related registry number:	N/A (in this case)	53697-17-9 (rn)
Text Words:	(tw) Vincristine or vincrisul or leurocristine	(tw) prostaglandin and E2 or PGE2

RN and NM searching will only retrieve data since the updates specified in the first paragraph of this article. Comprehensive chemical searches in CANCERLIT will need to utilize MH or TW searching as well.

\*Remember that pieces of the NM can be searched as Name Fragments (NF), too, e.g.:

vincristine (nf)	(nf) prostaglandin and E2
------------------	---------------------------

\*\*\*\*\*

PDQ TO BE ANNOUNCED VIA HOSPITAL SATELLITE NETWORK

On the afternoon of January 31, 1985, the National Cancer Institute (NCI) will conduct a major televised promotion of PDQ to over twelve thousand physicians nationwide, via the Hospital Satellite Network. This event may result in many inquiries about PDQ from physician members of the NLM user community.

To prepare those users of the MEDLARS network who have access to PDQ for possible inquiries, NCI has recently sent them a revised version of the PDQ User Guide and information describing PDQ.

Anyone having a question regarding his or her ability to access PDQ should contact MEDLARS Management at (301) 496-6193. For other questions concerning the use or contents of PDQ, contact NCI's PDQ Service Desk at (301) 496-7403 from 8:30 AM to 5:00 PM, EST, Monday through Friday.

\*\*\*\*\*

NLM SERIALS RETROSPECTIVE CONTRACT

Martha Fishel  
Serial Records Section, NLM

In July 1984, the National Library of Medicine began a one-year contract to add approximately 25,000 retrospective serial records to the SERLINE database. These records are being edited and copied from CATLINE to SERLINE at the rate of about 2,000 per month. This contract has three purposes:

1. To establish a link between NLM's CATLINE and SERLINE databases (CATLINE's Unique Identifier (UI) equals SERLINE's Other Files' Unique Identifier (U2)).
2. To make the retrospective serial titles available to participants in NLM's National Biomedical Serial Holdings Database (SERHOLD) for the purpose of reporting holdings information.
3. To establish SERLINE records with title-entry format for all serial titles in the NLM collection.

The majority of these retrospective serials are "closed" titles which ceased before 1950. However, all 25,000 records, regardless of their Open/Closed (OC) indicator value in CATLINE, will be loaded into SERLINE with an OC field value of CLOSED because their actual OC status is unknown.

In many cases, the First/Last Issue (FL) field information will still carry an open-ended date, e.g., (1,1970-). The FL and Y2 (Final Year) fields will be updated with more accurate closing dates as the information becomes available. NLM would welcome any additional bibliographic information (e.g., ending volume, issue and date) or current imprint information that

users can supply. Please forward such information, with any available documentation regarding its source, to TSD-Serial Records at NLM.

SERLINE users will also find that the formats of the Title (TI) and General Notes (GN) fields for these retrospective records differ slightly from current SERLINE records. Titles have been machine-constructed from CATLINE's TI and Corporate Name (CN) fields, whereby the CATLINE TI is followed by a slash (/) and then the CN. For example, many SERLINE titles will appear in the following format:

Boletin / Federacion Medica Peruana

The FL field is being transferred to SERLINE in its original CATLINE format with years and volumes separate rather than together. SERLINE users will see FL fields in the following format:

BD. 13-18; 1798-1800

rather than

13,1798-18,1800

Retrospective SERLINE records can be found by ranging on the Date of Entry (DA) field ANDed with the Revision Indicator (RI) value of R. For example, to retrieve all retrospective records added in the month of November 1984, the SERLINE search would be:

SS 1 /C?

USER:

R (RI) and from 841101 to 841130 (DA)

SS (1) PSTG (2349)

\*\*\*\*\*

SERIALS UPDATE

INDEXED TITLES UPDATE, JANUARY 1985

The following titles cited in MEDLINE, HEALTH, and POPLINE have been recently selected for indexing, deselected, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose indexing status has changed since the last UPDATE. More detailed information about each title may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, DECEMBER 1984

IDL JOURNAL OF GNATHOLOGY  
J GNATHOLOGY  
1,1982?--  
LA MESA CA UNITED STATES  
INDEXING BEGAN WITH V3N1,1984.  
ON ORDER  
SR0052165 JTC: JGN

IDL JOURNAL OF THE INDIAN SOCIETY OF  
PEDODONTICS AND PREVENTIVE DENTISTRY  
J INDIAN SOC PEDOD PREV DENT  
1N1,MAR 1983--  
DR. H.S. CHANLA INDIA  
CHANDIGARH  
OFFICIAL PUBLICATION OF THE INDIAN SOCIETY  
OF PEDODONTICS AND PREVENTIVE DENTISTRY.  
INDEXING BEGAN WITH V1N1,MAR 1983.  
ON ORDER  
SR0052313 JTC: JDI

INI SCI NURSING  
SCI NURS  
1,1984--  
AMERICAN ASSOCIATION OF SPINAL CORD INJURY  
NURSES  
NEW YORK UNITED STATES  
INDEXING BEGAN WITH V1N4,1984.  
ON ORDER  
SR0052227 JTC: UFY

TITLE CHANGES, DECEMBER 1984

IM METABOLIC OPHTHALMOLOGY  
METAB OPHTHALMOL  
8N1,1984-85--  
INTERNATIONAL SOCIETY ON METABOLIC EYE  
DISEASE  
NEW YORK UNITED STATES  
CONTINUES: METABOLIC, PEDIATRIC AND  
SYSTEMIC OPHTHALMOLOGY.  
IN PROCESS  
SR0052361 JTC: MET

IM NATIONAL INSTITUTES OF HEALTH CONSENSUS  
DEVELOPMENT CONFERENCE CONSENSUS STATEMENT  
NAT INST HEALTH CONSENSUS DEV CONF  
CONSENSUS STATEMENT  
5N1,1984--  
U.S. DEPARTMENT OF HEALTH AND HUMAN  
SERVICES, NATIONAL INSTITUTES OF HEALTH,  
OFFICE OF MEDICAL APPLICATIONS OF RESEARCH  
BETHESDA MD UNITED STATES  
CONTINUES: NATIONAL INSTITUTES OF HEALTH  
CONSENSUS DEVELOPMENT CONFERENCE SUMMARY.  
W3 NA619  
SR0050135 JTC: NIH

IM METABOLIC, PEDIATRIC AND SYSTEMIC  
OPHTHALMOLOGY  
METAB PEDIATR SYST OPHTHALMOL  
6N1,1982-7N4,1983  
PERGAMON PRESS  
ELMSFORD NY UNITED STATES  
OFFICIAL PUBLICATION OF: THE INTERNATIONAL  
SOCIETY ON METABOLIC EYE DISEASE, THE  
INTERNATIONAL SOCIETY OF PEDIATRIC  
OPHTHALMOLOGY, AND THE WORLD SOCIETY ON  
SYSTEMIC OPHTHALMOLOGY. CONTINUES:  
METABOLIC AND PEDIATRIC OPHTHALMOLOGY.  
CONTINUED BY: METABOLIC OPHTHALMOLOGY.  
W1 ME961N 0277-9382  
M31895000 JTC: MUF

IM NATIONAL INSTITUTES OF HEALTH CONSENSUS  
DEVELOPMENT CONFERENCE SUMMARY  
NATL INST HEALTH CONSENSUS DEV CONF SUMM  
3,1980-4N7,1983  
NATIONAL INSTITUTES OF HEALTH  
BETHESDA MD UNITED STATES  
CONTINUES: NIH CONSENSUS DEVELOPMENT  
CONFERENCE SUMMARY. PUBLISHED  
SIMULTANEOUSLY IN TWO DIFFERENT SIZES.  
VOL. 3 HAS ANNUAL CUMULATION WITH TITLE:  
CONSENSUS DEVELOPMENT CONFERENCE SUMMARIES.  
CONTINUED BY: NATIONAL INSTITUTES OF  
HEALTH CONSENSUS DEVELOPMENT CONFERENCE  
CONSENSUS STATEMENT.  
INDEXING BEGAN WITH V4,1981. V3,1980  
INDEXED UNDER JC=DPR.  
W3 NA621B  
N04976000 JTC: NIO



TITLES NO LONGER INDEXED AS OF DECEMBER 1984

IM CONSENSUS DEVELOPMENT CONFERENCE SUMMARIES  
 / NATIONAL INSTITUTES OF HEALTH  
 CONSENSUS DEV CONF SUMM NATL INST HEALTH  
 3,1980  
 NATIONAL INSTITUTES OF HEALTH  
 BETHESDA MD UNITED STATES  
 CONTINUES: NATIONAL INSTITUTES OF HEALTH  
 CONFERENCE SUMMARIES. CONSISTS OF THE  
 ANNUAL CUMULATION OF: NATIONAL INSTITUTES  
 OF HEALTH CONSENSUS DEVELOPMENT CONFERENCE  
 SUMMARY.  
 THIS ANNUAL CUMULATION NO LONGER PUBLISHED  
 AFTER 1980. INDIVIDUAL SUMMARY ISSUES  
 (NATIONAL INSTITUTES OF HEALTH CONSENSUS  
 DEVELOPMENT CONFERENCE SUMMARY) INDEXED  
 BEGINNING WITH V4N1,1981.  
 W3 C0978NM 0737-4674  
 C45865200 JTC: DPR

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES -- DECEMBER 1984

The following substantive serial titles were received or ordered by the Serial Records Section. Titles indexed for MEDLINE, HEALTH, and POPLINE are listed in the "INDEXED TITLES UPDATE" section. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement and will include price information if known. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Janice Lennox, (301) 496-1276, Technical Services Division, NLM.

ACTA ODONTOLOGICA LATINOAMERICANA  
 1,1984--  
 BUENOS AIRES ARGENTINA  
 ON ORDER  
 SR0052164

ADVANCES IN PLASTIC AND RECONSTRUCTIVE  
 SURGERY  
 1,1984?--  
 YEAR BOOK MEDICAL PUBLISHERS  
 CHICAGO UNITED STATES  
 IN PROCESS  
 SR0052204  
 YEAR BOOK MEDICAL PUBLISHERS, 35 EAST  
 WACKER DRIVE, CHICAGO IL 60601

CHILD DEVELOPMENT RESEARCH AND SOCIAL POLICY  
 1,1984--  
 UNIVERSITY OF CHICAGO PRESS  
 CHICAGO UNITED STATES  
 ON ORDER \$30.00  
 SR0052173  
 UNIVERSITY OF CHICAGO PRESS, JOURNALS  
 DIVISION, BOX 37005, CHICAGO IL 60637

PHYSICIANS AND COMPUTERS  
 1,1983--  
 PHYSICIANS AND COMPUTERS  
 LAKE BLUFF IL UNITED STATES  
 IN PROCESS  
 SR0052269  
 PHYSICIANS AND COMPUTERS, BOX 620, LAKE BLUFF  
 IL 60044

REVISTA DE FARMACOLOGIA CLINICA Y  
 EXPERIMENTAL  
 IN1 OCT, 1984--  
 J.R. PROUS EDITORES  
 BARCELONA SPAIN  
 IN PROCESS  
 SR0052158 \$50.00  
 J.R. PROUS EDITORES, APARTADO DE CORREOS  
 540, 08080 BARCELONA SPAIN

TRACE ELEMENTS IN MEDICINE  
 1,1984--  
 DUSTRI-VERLAG FEISTLE  
 MUNCHEN-DEISENHOFEN GERMANY, WEST  
 ON ORDER  
 SR0052246

*yellow  
4/5/85.  
foreign online*

NLM DOMESTIC AND FOREIGN CHARGES AND MINIMUMS FOR ONLINE SERVICES  
AND LEASING TAPE COPIES OF DATABASES  
EFFECTIVE APRIL 1, 1985

Database	Online Charges		Leased Tape Charges	
	Domestic 1/	Foreign 2/	Domestic 3/	Foreign 4/
AVLINE	Online Algorithm	No minimum; Usage charges only	Base file: (up to current year); \$1,000; No usage charges  Current year: \$1,000; updated monthly; No usage charges	Base file: (up to current year); \$1,250; No usage charges  Current year: \$1,250; updated monthly; No usage charges
BIOETHICS	Online Algorithm	\$1,000/yr minimum	\$1,000/yr minimum	\$1,000/yr minimum
CANCER-EXPRESS	Online Algorithm	\$1,000/yr minimum	\$1,000/yr minimum	\$1,000/yr minimum
CANCERLIT	Online Algorithm	\$3,000/yr minimum	\$3,000/yr minimum	\$3,000/yr minimum
CANCERPROJ	Online Algorithm	5/\$1,000/yr minimum	5/\$1,000/yr minimum	5/\$1,000/yr minimum
CATLINE	Online Algorithm	No minimum; Usage charges	6/Base file: (1965 up to the current year) \$3,000 Current year: \$4,000; updated weekly or Current year: \$2,000; updated monthly Retrospective file: (Pre-1965) \$3,000	6/Base file: (1965 up to the current year) \$3,750 Current year: \$5,000; updated weekly or Current year: \$2,500; updated monthly Retrospective file: (Pre-1965) \$3,750
			No usage charges	No usage charges

revised January 1985

Uyellow 4/5/85

online users foreign

1. Tox + Chem royalties removed - they pay directly to CAS, BIOSIS, etc.
2. \$ 3.00 surcharge to connect charges
3. 10¢ surcharge for offline prints

tape users foreign

1. Tox + Chem royalties paid directly to subtitle producer
2. \$ 3.00 surcharge per connect hour ( $\rightarrow$  \$ 7.00 or \$ 25 for RTECS + \$ 33 for TDB)
3. 2¢ surcharge per citation printed offline (\$ 34 or 19¢ RTECS + \$ 1.02 TDB).

summary

online + \$ 3 connect hr + 10¢ per pg <sup>offline</sup>  
tape \$ 3 " + 2¢ citation printed offline



NLM DOMESTIC AND FOREIGN CHARGES AND MINIMUMS FOR ONLINE SERVICES  
AND LEASING TAPE COPIES OF DATABASES  
EFFECTIVE APRIL 1, 1985

<u>Database</u>	<u>Online Charges</u>		<u>Leased Tape Charges</u>	
	<u>Domestic 1/</u>	<u>Foreign 2/</u>	<u>Domestic 3/</u>	<u>Foreign 4/</u>
CHEMLINE	7/Online Algorithm; \$.57/page, offline (eff. 2/1)	8/\$1,000/yr minimum	8/\$1,000/yr minimum	8/\$1,000/yr minimum
CLINPROT	Online Algorithm	\$1,000/yr minimum	\$1,000/yr minimum	\$1,000/yr minimum
DIRLINE	Online Algorithm	\$1,000/yr minimum	\$1,000/yr minimum	\$1,000/yr minimum
HEALTH PLANNING	Online Algorithm	\$3,000/yr minimum	\$3,000/yr minimum	\$3,000/yr minimum
HISTLINE	Online Algorithm	\$1,000/yr minimum	\$1,000/yr minimum	\$1,000/yr minimum
INFORM	Online algorithm excluding the charge for citations and characters; no offline processing	No minimum or flat rate; online algorithm excluding the charge for citations and characters; no offline processing	Not available	Not available
INTROMED	Online algorithm excluding the charge for citations and characters; no offline processing	No minimum or flat rate; online algorithm excluding the charge for citations and characters; no offline processing	\$1,000/yr; No usage charges	\$1,250/yr; No usage charges

NLM DOMESTIC AND FOREIGN CHARGES AND MINIMUMS FOR ONLINE SERVICES  
AND LEASING TAPE COPIES OF DATABASES  
EFFECTIVE APRIL 1, 1985

Database	Online Charges		Leased Tape Charges	
	Domestic 1/	Foreign 2/	Domestic 3/	Foreign 4/
MEDLEARN	\$22/hr prime time; \$15/hr non-prime time; no offline processing	9/No minimum; \$25/hr prime time; \$18/hr non-prime time; no offline processing	Not available	Not available
MEDLINE & BACKFILES	Online Algorithm	\$15,000/yr minimum	Base file: (1966 to the current year) \$10,000 minimum  Current year: \$5,000	Base file: (1966 to the current year) \$10,000 minimum  Current year: \$5,000
MeSH VOCABULARY	Online Algorithm	No minimum; Usage charges only	\$1,000/yr; Free with MEDLINE  No usage charges	\$1,250/yr; Free with MEDLINE  No usage charges
NAME AUTHORITY	Online Algorithm	No minimum; Usage charges only	\$1,000/yr; No usage charges	\$1,250/yr; No usage charges
PDQFS	\$22/hr prime time; \$15/hr non-prime time; no offline processing	9/\$1,000/yr minimum; \$25/hr prime time; \$18/hr non-prime; no offline processing	Not available	Not available
POPLINE	Online Algorithm	\$2,000/yr minimum	\$2,000/yr minimum	\$2,000/yr minimum

NLM DOMESTIC AND FOREIGN CHARGES AND MINIMUMS FOR ONLINE SERVICES  
AND LEASING TAPE COPIES OF DATABASES  
EFFECTIVE APRIL 1, 1985

Database	Online Charges		Leased Tape Charges	
	Domestic 1/	Foreign 2/	Domestic 3/	Foreign 4/
RTECS	10/Online Algorithm; \$.41/page offline	11/\$1,000/yr minimum; \$.51/page offline	\$1,000/yr minimum with usage charges of \$22/hr and \$.17/cit. printed offline	1,000/yr minimum with usage charges of \$25/hr and \$.19/cit. printed offline
SDILINE	Online Algorithm	No minimum; Usage charges only	\$5,000/yr minimum (if leased separately from MEDLINE)	\$5,000/yr minimum (if leased separately from MEDLINE)
SERLINE	Online Algorithm	No minimum; Usage charges only	\$1,000/yr; No usage charges	\$1,250/yr No usage charges
TDB	12/Online Algorithm; \$.60/page offline	13/\$2,500/yr minimum; \$.70/page offline	\$2,500/yr minimum with usage charges of \$30/hr and \$1.00/ cit. printed offline	\$2,500/yr minimum with usage charges of \$33/hr and \$1.02/cit. printed offline
TOXLINE	14/Online Algorithm; \$.53/page offline (eff. 2/1)	8/\$2,500/yr minimum	8/Current file: (1981 through the current year) \$2,500/ yr minimum	8/Current file: (1981 through the current year) \$2,500/ yr minimum
			Backfiles: (1965-75 and 1976- 80); \$2,500 minimum for each back- file	Backfiles: (1965-75 and 1976- 80); \$2,500 minimum for each back- file

NOTES: In addition to the above rates the following charges apply to each Domestic and Foreign Online Center: \$1 per Offsearch per file; and \$1 per Automatic SDI. Automatic SDI searches on the TOXLINE database are \$3.00 for domestic users (\$1.00 plus \$2.00 royalty). The \$15 monthly per ID code will be discontinued on April 1, 1985.

---

- 1/ Online charges are calculated for domestic users by using an algorithm which includes connect hour charges and charges for search statements, citations, interactions (i.e., carriage returns), computer resources (i.e., disk accesses), and characters transmitted to the user's terminal. Unless otherwise noted, the connect hour charge portion of the algorithm is \$7.25/hour prime time and \$4.50/hour non-prime time, and the offline print charge is \$.18 per page.
  
- 2/ Online charges for foreign users are calculated using an algorithm which includes connect hour charges and charges for search statements, citations, interactions (i.e., carriage returns), computer resources (i.e., disk accesses), and characters transmitted to the user's terminal. Each database, except the technical databases (AVLINE, CATLINE, NAME AUTHORITY, and SERLINE), the MeSH VOCABULARY file, MEDLEARN and the INFORM and INTROMED databases, has a minimum against which usage is charged. Unless otherwise noted, the connect hour charge portion of the algorithm is \$10.25/hour prime time and \$7.50/hour non-prime time, and the offline print charge is \$.28 per page. Usage over the minimum will be calculated at the rate of the file being accessed. The dollar equivalent of usage over the minimum on one file will be applied to the minimum for the other file(s). Usage on a technical database may not be applied to a minimum on another database.
  
- 3/ Tape charges for domestic users consist of an annual minimum charge for each database except the technical databases (AVLINE, CATLINE, NAME AUTHORITY, and SERLINE), the MeSH VOCABULARY file, MEDLEARN, and INTROMED. Unless otherwise noted, usage charges of \$4.00/connect hour and \$.01/offline citation are applied to the annual minimum. (The use charge is \$3.00/connect hour between 6:00 p.m. and 6:00 a.m. local time Monday through Friday, and all day Saturday and Sunday.) Usage over the minimum will be charged the rate of the file being accessed. For institutions or organizations leasing two or more files with a minimum plus usage, the dollar equivalent of usage over the minimum for one file may be applied to the minimum for the other files(s).

An annual flat fee, with no usage charges, will be charged for each of the technical databases (AVLINE, CATLINE, NAME AUTHORITY, and SERLINE) the MeSH VOCABULARY File, and INTROMED. Usage on other leased databases may not be applied to these annual flat rate fees.

Domestic centers providing service to foreign users will be charged at the foreign rate for this portion of their service.



Extra charges are levied for class maintained files or special formats. Prices for files and formats currently available are:

SDILINE GENER Format	\$1,000/year
CLASS-MAINTAINED MEDLINE Backfiles	\$3,000/year

Charges for physical tapes and shipping are included in the minimum charges for each database.

- 4/ Tape charges for foreign users and the portion of foreign use provided by domestic centers consist of an annual minimum charge for each database except the technical databases (AVLINE, CATLINE, NAME AUTHORITY, and SERLINE), the MeSH VOCABULARY file, and INTROMED. Unless otherwise noted, usage charges of \$7.00/connect hour and \$.03/offline citation are applied to the annual minimum. (The use charge is \$6.00/connect hour between 6:00 p.m. and 6:00 a.m. local time Monday through Friday, and all day Saturday and Sunday.) Usage over the minimum will be charged the same rate of the file being accessed. For institutions or organizations leasing two or more files with a minimum plus usage, the dollar equivalent of usage over the minimum for one file may be applied to the minimum for the other file(s).

An annual flat fee, with no usage charges, will be charged for each of the technical databases (AVLINE, CATLINE, NAME AUTHORITY, and SERLINE) the MeSH VOCABULARY File, and INTROMED. Usage on other leased databases may not be applied to these annual flat rate fees.

Extra charges are levied for class maintained files or special formats. Prices for files and formats currently available are:

SDILINE GENER Format	\$1,000/year
CLASS-MAINTAINED MEDLINE Backfiles	\$3,000/year

Charges for physical tapes and shipping are included in the minimum charges for each database.

- 5/ The file has not been updated recently; no minimum charge is being made for centers currently leasing this file nor will a minimum be charged for accessing this file online until the file is updated (expected early in 1985). When the file is updated the minimum charge will apply and will be prorated.
- 6/ Available in ELHILL or MARC version except for weekly updates of the current year file which is available only in MARC.
- 7/ Royalty charges of \$0.08 per citation and \$31.00 per hour of connect time are added to the algorithm. Offline page charges of \$.57 per page includes \$.39 per page royalty. Royalty charges are subject to change without advance notice.

- 8/ Royalties are negotiated and paid directly to the database producers and not to NLM.
- 9/ Usage is charged separately, i.e., usage on this file may not be applied to the aggregate minimum charges.
- 10/ Online algorithm includes connect charges of \$39.00 per hour non-prime time and \$42.75 per hour prime time; offline prints are \$.41 per page.
- 11/ Online algorithm includes connect charges of \$42.00 per hour non-prime time and \$45.75 per hour prime time; offline prints are \$.51 per page.
- 12/ Online algorithm includes connect charges of \$56.50 per hour non-prime time and \$60.25 per hour prime time; offline prints are \$.60 per page. Access to TDB on ELHILL will be discontinued in Spring 1985.
- 13/ Online algorithm includes connect charges of \$59.50 per hour non-prime time and \$63.25 per hour prime time; offline prints are \$.70 per page. Access to TDB on ELHILL will be discontinued in Spring 1985.
- 14/ Royalty charges of \$0.09 per citation and \$39.00 per hour of connect time are added to the online algorithm. Offline page charges of \$0.53 per page include \$0.35 per page royalty. Royalty charges are subject to change without advance notice.



National Institutes of Health  
National Library of Medicine  
Bethesda MD 20209

January 7, 1985

Dear Domestic MEDLARS User:

This is to notify you that on February 1, 1985, the pricing structure of CHEMLINE and TOXLINE will be modified in response to changes in the 1985 royalty rates charged by the suppliers of data for these files.

To reflect these changes, the NLM Online Pricing Algorithm has been updated in the Connect Charge and Citation Charge components. Based on past experience, we estimate that the approximate average hourly rate for CHEMLINE will be \$52, and that for for TOXLINE will be \$72. An individual's average hourly rate will vary, of course, based on actual resources used.

Please see the reverse side of this letter for the new NLM rates for the six components of the online algorithm. Additionally, note that offline page charges and TOXLINE Automatic SDI rates have changed due to royalties.

Sincerely yours,

A handwritten signature in cursive script that reads "Lois Ann Colaianni".

Lois Ann Colaianni  
Associate Director  
Library Operations

A handwritten signature in cursive script that reads "Henry M. Kissman".

Henry Kissman, Ph.D.  
Associate Director  
Specialized Information Services

(over)

NEW NLM RATES FOR CHEMLINE AND TOXLINE

February 1, 1985

ONLINE PRICING ALGORITHM

Files	Connect Charge (per hour)		Search Statement Charge	Citation Charge	Interaction Charge (Carriage Returns)	Computer Resources Charge (Disk Accesses) (Per 100)		Character Charge (Per 1,000)	
	Non-Prime	Prime				Non-Prime	Prime	Non-Prime	Prime
CHEMLINE	\$35.50*	\$38.25*	\$0.01	\$0.09*	\$0.01	\$0.06	\$0.12	\$0.08	\$0.12
TOXLINE & BACKFILES	\$43.50**	\$46.25**	\$0.01	\$0.10*	\$0.01	\$0.06	\$0.12	\$0.08	\$0.12

\* Includes Royalty Charges of \$31.00 Per Connect Charge and \$0.08 Per Citation Charge for CHEMLINE.

\*\* Includes Royalty Charges of \$39.00 per Connect Charge and \$0.09 per Citation Charge for TOXLINE and its Backfiles.

OFFLINE PROCESSING RATES

PAGES

CHEMLINE \$0.57 (Includes \$0.39 Royalty Charge)

TOXLINE \$0.53 (Includes \$0.35 Royalty Charge)

AUTOMATIC SDI SEARCHES

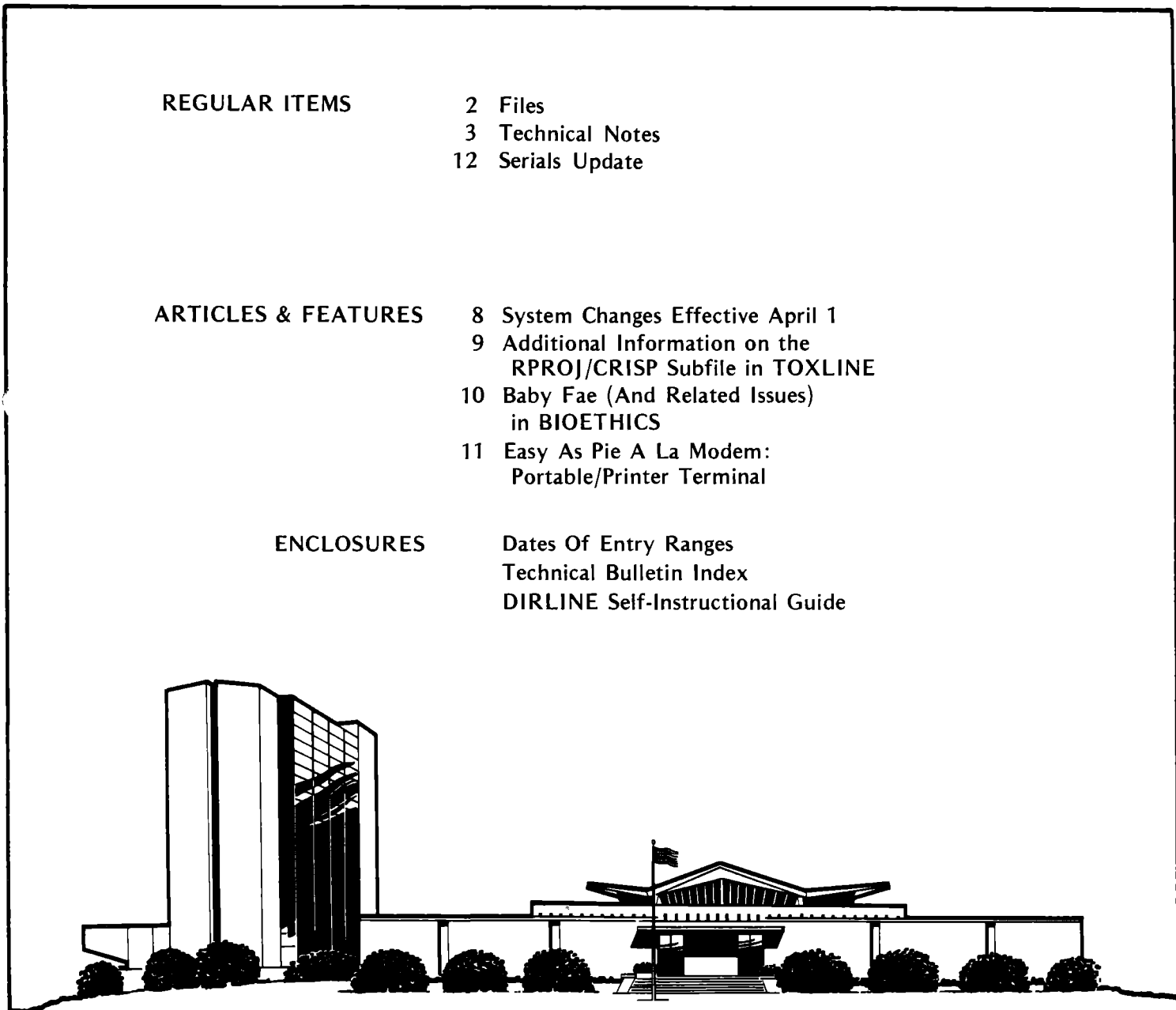
TOXLINE \$3.00 Per search (includes \$2.00 Royalty Charge)

# THE NLM TECHNICAL BULLETIN

REGULAR ITEMS            2 Files  
                                  3 Technical Notes  
                                  12 Serials Update

ARTICLES & FEATURES    8 System Changes Effective April 1  
                                  9 Additional Information on the  
    RPROJ/CRISP Subfile in TOXLINE  
                                  10 Baby Fae (And Related Issues)  
    in BIOETHICS  
                                  11 Easy As Pie A La Modem:  
    Portable/Printer Terminal

ENCLOSURES            Dates Of Entry Ranges  
                                  Technical Bulletin Index  
                                  DIRLINE Self-Instructional Guide



Contents Not Copyrighted • Freely Reproducible

NLM TECHNICAL BULLETIN - FEB 85

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	13,150	THROUGH 1985	14 FEB 85	
BIOETHICS	17,502	JAN 73-DEC 84	10 DEC 84	8412(EM)
CANCERLIT	437,447	JAN 63-JAN 85	21 JAN 85	8501(EM)
CANCERPROJ	21,117	1978-1981	12 NOV 81	8110(EM)
CATLINE	587,243	THROUGH 1985	14 FEB 85	
CHEMLINE	619,369		24 DEC 84	8412(EM)
CLINPROT	4,729		25 JAN 85	8501(EM)
DIRLINE	14,049		16 AUG 84	
EXPRESS	7,275	SEP 84-FEB 84	08 FEB 85	8502(EM)
HEALTH	302,211	JAN 75-MAR 85	11 FEB 85	8503(EM)
HISTLINE	65,145		04 FEB 85	8502(EM)
MEDLINE	513,502	JAN 83-MAR 85	04 FEB 85	8503(EM)
MED80	804,874	JAN 80-DEC 82	10 DEC 84	
MED77	775,167	JAN 77-DEC 79	10 DEC 84	
MED75	642,710	JAN 75-DEC 76	10 DEC 84	
MED71	883,906	JAN 71-DEC 74	10 DEC 84	
MED66	954,650	JAN 66-DEC 70	10 DEC 84	
MESH VOC	52,825	1985	11 FEB 85	
NAME AUTH	171,304		04 FEB 85	
PDQ	972		24 DEC 84	8411(EM)
POPLINE	129,372	1970-JAN 85	14 JAN 85	8501(EM)
RTECS	70,029	THROUGH JUL 84	12 SEP 84	
SDILINE	24,996	MAR 85	04 FEB 85	8503(EM)
SERLINE	56,534	1985	04 FEB 85	
TDB	4,114		28 JAN 85	
TOXLINE	521,865		21 JAN 85	8501(EM)
CBAC	302,053	1981-VOL 101(12,13)		
TOXBIB	112,452	1981-FEB 85		
IPA (ASHP)	25,593	1981-VOL 22 (1,2)		
HEEP	43,025	1981-VOL 14(2)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	5,937	1981-APR 1984		
TD3	14,486	1981-GRA&I 84 (22-23)		
HMTC	563			
ILO	2,843	NOV 1984		
RPROJ/CRISP	4,518	FISCAL YEAR 1983		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXBIB	106,643	1976-1980		
IPA(ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA(ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAPAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		

Editor: Carolyn B. Tilley  
Assistant Editor: T. Scott Plutchak  
Technical Notes Editor: Patricia E. Healy  
(301) 496-6193

Direct Inquiries to:  
MEDLARS Management Section  
National Library of Medicine  
Bldg. 38A, Rm. 4N421  
Bethesda, Maryland 20209

TECHNICAL NOTES

Whenever applicable, the heading of each Technical Note includes a reference to the section of the 1982 Online Services Reference Manual that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

PDQ DATABASE DISCONTINUED (Manual 25+) - REMINDER: The National Cancer Institute has decided to discontinue the PDQ database on the ELHILL system effective March 1, 1985 since the new user-friendly version is available to most MEDLARS users on TSO. Please see the article in the December 1984 Technical Bulletin, p. 5, titled, "PDQ Update" for more information about PDQ and the availability of the user-friendly version of PDQ to MEDLARS searchers.

USER-FRIENDLY PDQ HOURS EXTENDED - Effective February 15, 1985, the hours for the user-friendly version of PDQ have been extended. PDQ is now available 5:00 am to 9:00 pm Eastern Time, Monday through Friday. Saturday hours remain 8:30 am to 5:00 pm Eastern Time.

SYSTEM RESTART - Occasionally, when inputting a search online or executing a SAVESEARCH, searchers may receive the system greeting, "WELCOME TO THE NATIONAL LIBRARY OF MEDICINE'S ELHILL RETRIEVAL SYSTEM," and be returned to Search Statement 1. This is known as a RESTART; postings to the Search Statement input will not be received and all previous input will be erased. When this occurs, searchers should not attempt to input the search strategy or execute the SAVESEARCH again. Rather, the RESTART should be reported as soon as possible to the MEDLARS Management Service Desk so that any problem with the search execution may be diagnosed.

MESH VOCABULARY FILE BACKFILE POSTINGS (Manual 6.8.2) - The MESH VOCABULARY FILE backfile postings have been changed to reflect the correct number of asterisked and non-asterisked postings for each MeSH Heading in the MED66 (M66), MED71 (M71), MED75 (M75), MED77 (M77), and MED80 (M80) files. Please see the Technical Note in the November 1984 Technical Bulletin, p. 4, titled, "BACKFILE POSTINGS IN MESH VOCABULARY FILE," or your Manual, for more information.

1985 MESH VOCABULARY; BIOETHICS, POPLINE, CANCERLIT - Effective January 21, 1985, a class-maintained version of the CANCERLIT database became available making this database searchable using the 1985 MeSH vocabulary. The POPLINE and BIOETHICS databases were made available with 1985 MeSH vocabulary on January 25, 1985. Searchers who use MeSH to search these databases may now use 1985 terms. Searches stored for the Automatic SDI program for CANCERLIT/POPLINE may also be revised for 1985 MeSH vocabulary.

1985 MESH  
VOCABULARY  
(Continued)

CATLINE and AVLINE will be available with 1985 MeSH vocabulary in late February or early March. The CANCEREXPRESS database generally will not be searchable using 1985 MeSH vocabulary until the March 1985 update (expected March 4, 1985).

SEARCHING  
YEAR OF  
PUBLICATION  
IN MEDLINE  
(Manual  
7.3.8,  
7.3.35)

- When limiting search retrieval to specific years of publication, searchers should use the two-character Year of Publication (YR) rather than the Date of Publication (DP). The two-character YR is generated from the DP field of each citation and is uniform for all citations; that is, all 1984 citations may be searched and retrieved using 84 (YR).

The Date of Publication (DP) is properly used when looking for a particular issue of a journal. However, searchers must know the type of date designation used by each journal of interest in order to search the DP. While the format of the DP was recently made uniform across all the MEDLINE, MEDLINE Backfiles, and HEALTH databases, differences do exist in the individual date designations used by a particular journal. The following are all examples of valid Dates of Publication (DP):

1. 1985 Feb 4
2. 1985 Feb 4-8
3. 1985 Feb
4. 1985
5. 1984-85
6. 1985 Winter

Note the variation in these dates.

When searching, the entire DP must be used exactly as it appears, e.g., 1985 Feb 4 (DP). Searching for 1985 (DP) would only retrieve citations with a Date of Publication (DP) as shown in #4 above. No other 1985 publications will be retrieved using this DP strategy; rather 85 (YR) should be used to retrieve 1985 citations.

To retrieve citations from a particular issue of a journal, search the Date of Publication (DP) in combination with the journal's Title Abbreviation (TA) or Journal Title Code (JC). For example:

```
SS 1 /C?
USER:
jama (ta) and 1985 jan 4 (DP)
PROG:
SS (1) PSTG (25)
```



SEARCHING  
YEAR OF  
PUBLICATION  
(Continued)

This strategy would retrieve citations appearing in the January 4, 1985 issue of JAMA, Journal of the American Medical Association (Chicago). [The Journal Title Code for JAMA, KFR (JC), could have been substituted for JAMA (TA) in the above strategy.] Title Abbreviations (TA) and Journal Title Codes (JC) may be found in the List of Serials Indexed for Online Users or by searching SERLINE.

OFFSEARCH  
ABSTRACTS  
IN MEDLINE  
DATABASES  
(Manual 5+)

- When searching MEDLINE and its Backfiles (MED80, MED77, MED75, MED71, and MED66) in OFFSEARCH, it is good practice to list the files in descending chronological order in response to the "FILES?" prompt. Some examples of the proper order are:

- 1) FILES?  
USER:  
medline, med80, med77, med75, med71, med66
- 2) FILES?  
USER:  
med80, med77, med75, med71, med66

This order is particularly crucial when abstracts have been requested for the resulting OFFSEARCH printouts. If either MED66 or MED71 appears as the first file in response to the "FILES?" prompt, abstracts will not be included in any of the printouts when "AR" (Author, Title, Source, Abstract), or some other tailored print instruction that includes "AB" (Abstract), e.g. "FU INCLUDE AB", has been input in response to the "PRINTSPECS?" prompt. This is because the Abstract (AB) field is only defined for those MEDLINE files that include abstracts (MEDLINE, MED80, MED77, MED75) and not for those Backfiles that do not include abstracts (MED66 and MED71). Since the print specifications for all the OFFSEARCH Backfile printouts are set based on the first file listed in response to the "FILES?" prompt, either MEDLINE, MED80, MED77, or MED75 must be listed first in order for the abstracts to be printed for any of the files requested in the OFFSEARCH. Listing either MED66 or MED71 first will cause the abstracts not to be printed for any of the files requested even if the abstracts were requested in response to "PRINTSPECS."

RPROJ SUBFILE -  
OF TOXLINE

- At present, the RPROJ subfile of TOXLINE contains information only from the Computer Retrieval of Information on Scientific Projects (CRISP) database of the National Institutes of Health. Later, a portion of the Federal Research in Progress (FEDRIP) database of the National Technical Information Service (NTIS) will be added to RPROJ.

RPROJ SUBFILE  
(Continued)

The CRISP records in RPROJ may be identified by the designation, CRISP, in the Secondary Source Identifier (SI) field, e.g.,

SI - CRISP/84/RR82118-20

The CRISP records will also carry the designation, RPROJ/CRISP, in the Abstract (AB) field, if the field is present, e.g.,

AB - RPROJ/CRISP ... (continuation of abstract)

If there is no abstract with an RPROJ/CRISP record, the Keyword (KW) field will contain the designations RPROJ and CRISP, as two separate occurrences of the KW field, e.g.,

KW - RPROJ  
KW - CRISP

To limit TOXLINE retrieval to the RPROJ subfile, searchers should "AND" the word RPROJ with previous retrieval, e.g., 1 AND RPROJ. The RPROJ references may be eliminated from any TOXLINE retrieval by using "AND NOT," e.g., 1 AND NOT RPROJ. Use of the word CRISP when limiting will also work; however, CRISP may result in some false drops whereas use of the word RPROJ currently will not.

For further information on the CRISP records in RPROJ, please see the article on p. 9 of this Technical Bulletin.

TDB  
REGENERATION

- The TOXICOLOGY DATA BANK (TDB) was regenerated on January 28, 1985 with the Fall 1984/Winter 1985 update information. The file now contains 4,114 records of which 4,085 are complete. A total of 2,425 records were revised.

Users may request a list of compounds in TDB by writing Specialized Information Services (SIS), National Library of Medicine, Bethesda, Maryland 20209.

LIST OF  
JOURNALS  
INDEXED FOR  
ONLINE USERS,  
1985

- The List of Serials Indexed for Online Users, 1985 may now be ordered from the National Technical Information Service (NTIS). Delivery is expected in April. The publication number is PB85-143220. The U.S./Canadian price is \$10.00 for hardcopy and \$4.50 for microfiche; the foreign price is \$20.00 (hardcopy) and \$9.00 (microfiche). The address for NTIS is:

National Technical Information Service  
5285 Port Royal Road  
Springfield, Virginia 22161  
(703) 487-4650 -- for phone orders  
with a deposit account or  
credit card.

- TREE ANNOTATIONS 1985 - No new edition of the Medical Subject Headings, Tree Annotations will be published in 1985. This is because the MeSH changes for 1985 were more specific than the general terms usually used to illustrate the scope of the Tree Annotations. Searchers with the 1984 edition of the Tree Annotations should, however, note that Subcategory A15 -- ANATOMY - HEMIC AND LYMPHATIC SYSTEMS has been renamed to A15 -- ANATOMY - HEMIC AND IMMUNE SYSTEMS with the new 1985 term IMMUNE SYSTEM added at A15.382. This change makes necessary the following addition at Subcategory A15 in the 1984 Tree Annotations:

Avoid IMMUNE SYSTEM as too general;  
prefer specifics.

The Tree Annotations publication is designed for indexers and searchers and has two purposes: 1) to give a general statement on the approach indexers and searchers should pursue to a given tree, and 2) to advise them of special features within that tree that they should be aware of before indexing or searching.

The Medical Subject Headings, Tree Annotations, 1984 may be ordered from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia 22161 ((703) 487-4650 -- for phone orders with a deposit account or credit card). The order number is PB84-120047. The price is \$10.00 for U.S./Canadian purchasers and \$20.00 for foreign purchasers.

- MEDLINE DATE OF ENTRY RANGES - Enclosed is a list of the Dates of Entry (DA) ranges for MEDLINE and its Backfiles.
- TB INDEX - The revised Index to the NLM Technical Bulletin covering issues March 1983 through December 1984 is enclosed with this issue.
- DIRLINE SELF-INSTRUCTIONAL GUIDE - Enclosed with this issue is a copy of the new DIRLINE Self-Instructional Guide.

*PLEASE ACCESS FILE INFORM AND TYPE NEWS TO SEE THE MOST RECENT NEWS ITEM ONLINE!*

SYSTEM CHANGES EFFECTIVE APRIL 1

Carolyn B. Tilley  
MEDLARS Management Section, NLM

We would like to make all users of the MEDLARS system aware of the following changes which will begin April 1, 1985.

Hours of operation of the MEDLARS databases\* on the NLM computer will be changed from 3:00 am - 9:00 pm to 5:00 am - 11:00 pm Eastern Time on weekdays. Saturday hours remain unchanged (8:30 am - 5:00 pm ET). Prime time hours remain unchanged at 10:00 am - 5:00 pm ET; all other time is non-prime time.

In an effort to provide effective learning mechanisms for all MEDLARS searchers, a limited amount of free practice time will be provided on any MEDLARS database for all new domestic searchers. The time will be credited on the first month's invoice for regular system access codes in the amount of \$40.00. This amount is equivalent to approximately two hours of MEDLINE use at prime-time rates. This practice time credit must be used during the first month. Any unused credit will not be carried over to the next month's invoice. The \$40.00 practice time credit will also apply to new Educational Access Codes.

The minimum monthly charge of \$15.00 per User ID code is being discontinued effective April 1. User codes will be charged only for actual use.

---

\* For the present, PDQFS hours are 5:00 am to 9:00 pm ET Monday - Friday.

\*\*\*\*\*

ADDITIONAL INFORMATION ON THE RPROJ/CRISP SUBFILE IN TOXLINE

Carolyn G. McHale  
Specialized Information Services, NLM

Effective December 17, 1984, the research projects (RPROJ) subfile of TOXLINE was enriched with a "toxicology" subset of the National Institutes of Health's CRISP (Computer Retrieval of Information on Scientific Projects) database. Please refer to the NLM Technical Bulletin, December 1984, p. 6-8 for further details about this TOXLINE enhancement. We have received questions from several users indicating that additional information about the CRISP records in RPROJ may be useful to TOXLINE users.

The CRISP portion of the RPROJ subfile includes research projects that were supported by NIH during Fiscal Year 1983. Fiscal Year 1984 projects from CRISP will be added to RPROJ this Spring. Since these references are not published journal articles, users may be unaware of how to obtain additional information about these projects. Two methods are suggested. The author (i.e., Principal Investigator), whose address appears in the Address (AD) field, can be contacted directly. Alternatively, the content of the Supporting Agency (SA) field can be printed. For example:

SA - U.S. DEPT. OF HEALTH EDUCATION & WELFARE; PUBLIC HEALTH  
SERVICE; NATIONAL INST. OF HEALTH, NATIONAL HEART, LUNG,  
AND BLOOD INSTITUTE

The specific Institute referred to can be contacted for further information about the project in question. In this example, inquiries should be directed to the National Heart, Lung, and Blood Institute.

Users are to be cautioned, however, that the RPROJ subfile reflects "ongoing research"; therefore, the research results, observations, and conclusions may not be final and ready for publication in the journal literature. This subfile is meant to make TOXLINE users aware of the "ongoing research" in a particular area of toxicology; users are encouraged to track additional information about the work by the methods mentioned or by looking for related journal publications by the Principal Investigator.

\*\*\*\*\*

BABY FAE (AND RELATED ISSUES) IN BIOETHICS

Tamar Joy Kahn, Senior Bibliographer  
Kennedy Institute of Ethics, Georgetown University

Citations related to the Baby Fae baboon heart transplant controversy make their first appearance in the BIOETHICS file with the February 1985 update. Two new Keywords have been introduced to permit efficient retrieval of these citations: the descriptor ANIMAL ORGANS has been added to the controlled subject vocabulary of the Bioethics Thesaurus, and the proper name BABY FAE is being assigned by indexers as an identifier. Both descriptors and identifiers are searched with the Keyword qualifier (KW), and both types of Keyword may occur with or without an asterisk to denote emphasis within the citation.

While a simple search statement consisting of either ANIMAL ORGANS (KW) or BABY FAE (KW) would be sufficient at present to retrieve citations relevant to this particular case, a conceptually complete subject search statement would be as follows:

(KW) ORGAN TRANSPLANTATION AND HEARTS AND ANIMAL ORGANS

Similarly, while citations specifically about artificial heart recipients Barney Clark and William Schroeder could be retrieved quickly using their proper names as identifiers in the format (KW) CLARK, BARNEY OR SCHROEDER, WILLIAM, a subject-oriented search would be framed:

(KW) ORGAN TRANSPLANTATION AND HEARTS AND ARTIFICIAL ORGANS

Because ORGAN TRANSPLANTATION is a frequently used, "major issue" Keyword, it is generally searched with an asterisk to limit retrieval. Bear in mind that ORGAN DONATION is also a "major issue" Keyword, and that this is the term to be used to retrieve citations on the procurement of organs from either live or cadaver donors.

All Baby Fae citations input into the BIOETHICS file through April 1985 will be included in Volume 11 of the Bibliography of Bioethics, to be published by the Kennedy Institute of Ethics in the fall of 1985. Volume 10 of the Bibliography, a 387-page hardbound book in the same format as earlier volumes, was published by the Institute in December 1984 and is now available for \$25 per copy (prepaid to the Kennedy Institute of Ethics) from the Bibliography of Bioethics, Kennedy Institute of Ethics, Georgetown University, Washington, DC 20057.

In January 1985 the Institute's Bioethics Library issued, as the fifth publication in its Scope Note series, Baby Fae: Ethical Issues Surrounding Cross-Species Organ Transplantation. This 19-page Scope Note #5: Baby Fae, written by Senior Librarian Judith Mistichelli, provides an overview of ethical concerns about the case and a selected annotated list of citations dealing with the related issues of human experimentation, allocation of societal resources for costly biomedical technologies, and the use of animals in research. Orders (\$3.00, prepaid to the Kennedy Institute of Ethics) may be sent to the Bioethics Library, Kennedy Institute of Ethics, Georgetown University, Washington, DC 20057.

\*\*\*\*\*

EASY AS PIE A LA MODEM\*:  
PORTABLE/PRINTER TERMINAL

Jeff Kager  
VAMC Medical Library  
Miami, Florida

PROBLEM: The Medical Library at the VAMC Miami was looking for a quality portable/printer terminal to replace its aging equipment. The terminal had to print at 1200 baud and cost approximately \$2,000.00. The machine would be used to access the MEDLARS and BRS databases.

SOLUTION: I called VAMC Library Service Central Office and asked for their suggestions. The Digital Equipment Corporation machine, the model LA12-AB, also called the CORRESPONDENT, was selected. The machine is portable and accepts pin-feed or roller format paper. Access to a remote computer can be done the following ways: Keyboard Send Receive (KSR); Acoustic Coupler Modem (ACM); or EIA port. The KSR is the most convenient to use. It is a 300 to 1200 baud direct connect integral modem designed for telephone dialing through the keyboard. The machine is totally silent, with minimal heat build-up, and can be configured to a number of applications.

Figure 1 shows the SET-UP feature on the DEC LA12-AB portable printer terminal. This configuration works when accessing MEDLARS or BRS.

COMMUNICATIONS	PRINTER	KEYBOARD
Auto-Ansbk=no	A-G0 char set=USA	Auto-linefeed=no
Buffer=1024	B-G1 char set=USA	Break=yes
Comm port=DCM/DTKB	C-G2 char set=USA	C-Keyclick=yes
Disc-HDX=none	D-G3 char set=USA	Keypad=normal
Echo-local=no	End-of-line=wrap	Language=USA
Fault=none	Form Length=60	Repeat=yes
G-HDX start mode=Rcv	G-Print ctrl chars=no	
H-Hi Speed(bps)=1200	Horiz pitch (cpi)=10	DIALER
L-Lo Speed(bps)=300	M-Print Resolution=norm	DA=9=372-0230
M-line prot=FDX-data leads	NewLine char=none	
O-Rcv error override=no	Override Paper-Out=yes	VERSION
Parity=7/S or 8/N	Print Force=hi	V=V2.0
Q-SRTS polarity=Lo	Vert pitch (lpi)=6	
Restraint=xon/xof		
S-Speed select=Hi		
Turn char=none		
U-power up=line		
V-Frequency=Bell 103		

Figure 1

\* "Easy As Pie A La Modem" is an irregular feature of the NLM Technical Bulletin containing information supplied by MEDLARS users about terminals, microcomputers, and telecommunications equipment and software used to access the MEDLARS system. The opinions expressed are those of the authors and not MEDLARS Management of the National Library of Medicine. NLM is unable to make recommendations on equipment which may be used to access the MEDLARS system.

SERIALS UPDATE

INDEXED TITLES UPDATE, FEBRUARY 1985

The following titles cited in MEDLINE, HEALTH, and POPLINE have recently been selected for indexing, deselected, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for title whose indexing status has changed since the last UPDATE. More detailed information about each title may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, JANUARY 1985

- |  |   |
|--|---|
| <p>IDL GERODONTOLOGY<br/>GERODONTOLOGY<br/>1N1,SUMMER 1982--<br/>BEECH HILL PUBLISHING COMPANY<br/>MOUNT DESERT ME UNITED STATES<br/>INDEXING BEGAN WITH V3N2,SUMMER 1984.<br/>W1 GE569 0734-0664<br/>G05930000 JTC: GEY</p>   | <p>IDL SHIKA ZAIRYO KIKAI. JOURNAL OF THE<br/>JAPANESE SOCIETY FOR DENTAL MATERIALS AND<br/>DEVICES<br/>SHIKA ZAIRYO KIKAI<br/>1N1,MAY 1982--<br/>NIPPON SHIKA RIKO GAKKAI<br/>TOKYO JAPAN<br/>INDEXING BEGAN WITH V3N3,MAY 1984.<br/>IN PROCESS 0286-5858<br/>S22810000 JTC: U9U</p> |
| <p>IDL LAB MANAGEMENT TODAY<br/>LAB MANAGE TODAY<br/>1N1,SEP 1984--<br/>DENTAL LAB PUBLICATIONS<br/>WILTON CT UNITED STATES<br/>INDEXING BEGAN WITH V1N1,SEP 1984.<br/>ON ORDER<br/>SR0052523 JTC: LMT</p>   | <p>IDL SHONI SHIKAGAKU ZASSHI. JAPANESE JOURNAL<br/>OF PEDODONTICS<br/>SHONI SHIKAGAKU ZASSHI<br/>1,1963--<br/>NIHON SHONI SHIKA GAKKAI<br/>TOKYO JAPAN<br/>INDEXING BEGAN WITH V22N3,1984.<br/>W1 SH533 0583-1199<br/>S24500000 JTC: SHN</p>   |
| <p>IDL REVISTA DE CHIRURGIE, ONCOLOGIE,<br/>RADIOLOGIE, ORL, OFTALMOLOGIE,<br/>STOMATOLOGIE. SERIIA: STOMATOLOGIE<br/>REV CHIR [STOMATOL]<br/>21N4,1974--<br/>EDITURA MEDICALA ROMANIA<br/>BUCURESTI<br/>CONTINUES STOMATOLOGIA<br/>INDEXING CEASED WITH V.26,N.2,1979 AND<br/>RESUMED WITH V31N1,JAN-MAR 1984.<br/>W1 RE378G 0377-7871<br/>R31620000 JTC: RMK</p> | <p>IDL SHOWA SHIGAKKAI ZASSHI<br/>SHOWA SHIGAKKAI ZASSHI<br/>1N1,SEP 1981--<br/>SHOWA UNIVERSITY DENTAL SOCIETY<br/>TOKYO JAPAN<br/>INDEXING BEGAN WITH V3N2,MAR 1984.<br/>W1 SH562P 0285-922X<br/>S24730000 JTC: SHO</p>   |

TITLE CHANGES, JANUARY 1985

- |  |  |
|--|--|
| <p>IM CHILDS BRAIN<br/>CHILDS BRAIN<br/>1,1975-11N6,1984<br/>KARGER<br/>BASEL SWITZERLAND<br/>INTERNATIONAL SOCIETY FOR PAEDIATRIC<br/>NEUROSURGERY. CONTINUED BY: CHILDS<br/>NERVOUS SYSTEM.<br/>W1 CH705 0302-2803<br/>C18540000 JTC: D2W</p>                | <p>IM JOURNAL OF THE AMERICAN PODIATRIC MEDICAL<br/>ASSOCIATION<br/>J AM PODIATR MED ASSOC<br/>JAN,1985--<br/>AMERICAN PODIATRY ASSOCIATION<br/>WASHINGTON UNITED STATES<br/>CONTINUES: JOURNAL OF THE AMERICAN<br/>PODIATRY ASSOCIATION.<br/>IN PROCESS<br/>SR0051914 JTC: JPA</p>  |
| <p>IM CHILDS NERVOUS SYSTEM<br/>CHILDS NERV SYST<br/>1N1,1985--<br/>SPRINGER<br/>NEW YORK UNITED STATES<br/>CONTINUES: CHILDS BRAIN. OFFICIAL JOURNAL<br/>OF THE INTERNATIONAL SOCIETY FOR PEDIATRIC<br/>NEUROSURGERY.<br/>ON ORDER<br/>SR0052323 JTC: CNV</p> | <p>IM JOURNAL OF THE AMERICAN PODIATRY ASSOCIATION<br/>J AM PODIATRY ASSOC<br/>48,1958-74N12,DEC 1984<br/>AMERICAN PODIATRY ASSOCIATION<br/>WASHINGTON UNITED STATES<br/>CONTINUES JOURNAL OF THE NATIONAL<br/>ASSOCIATION OF CHIROPODISTS. CONTINUED BY:<br/>JOURNAL OF THE AMERICAN PODIATRIC MEDICAL<br/>ASSOCIATION.<br/>W1 J091H 0003-0538<br/>J12060000 JTC: H9J</p> |



IM JOURNAL OF ENVIRONMENTAL PATHOLOGY AND TOXICOLOGY  
 J ENVIRON PATHOL TOXICOL  
 1,1977-5N1,1981  
 PATHOTOX PUBLISHERS  
 PARK FOREST SOUTH IL UNITED STATES  
 CONTINUED BY: JOURNAL OF ENVIRONMENTAL PATHOLOGY, TOXICOLOGY, AND ONCOLOGY.  
 INDEXING BEGAN WITH V.1 NO.1, SEPT-OCT 1977  
 W1 J0644BF 0146-4779  
 J20120000 JTC: IIL

IM KANSAS MEDICINE  
 HLI  
 KANS MED  
 86N1,JAN 1985--  
 KANSAS MEDICAL SOCIETY  
 TOPEKA KS UNITED STATES  
 CONTINUES: JOURNAL OF THE KANSAS MEDICAL SOCIETY.  
 W1 KA575 8755-0059  
 SR0052507 JTC: KT4

IM JOURNAL OF ENVIRONMENTAL PATHOLOGY, TOXICOLOGY AND ONCOLOGY  
 J ENVIRON PATHOL TOXICOL ONCOL  
 5,1984--  
 CHEM-ORBITAL  
 PARK FOREST SOUTH IL UNITED STATES  
 CONTINUES: JOURNAL OF ENVIRONMENTAL PATHOLOGY AND TOXICOLOGY. OFFICIAL ORGAN OF THE INTERNATIONAL SOCIETY FOR ENVIRONMENTAL TOXICOLOGY AND CANCER.  
 IN PROCESS 0731-8898  
 SR0052441 JTC: JOU

IM PAIN AND HEADACHE  
 PAIN HEADACHE  
 7,1985--  
 KARGAR  
 BASEL SWITZERLAND  
 CATALOGING IN PUBLICATION. CONTINUES: RESEARCH AND CLINICAL STUDIES IN HEADACHE.  
 W1 PA293  
 SR0051360 JTC: PHA

IM JOURNAL OF THE KANSAS MEDICAL SOCIETY  
 J KANS MED SOC  
 1,1901-85N12,DEC 1984  
 KANSAS MEDICAL SOCIETY  
 TOPEKA KS UNITED STATES  
 ABSORBED WICHITA MEDICAL JOURNAL AND WESTERN MEDICAL JOURNAL IN 1904. CONTINUED BY: KANSAS MEDICINE.  
 W1 J0934I 0022-8699  
 J26600000 JTC: IRR

IM RESEARCH AND CLINICAL STUDIES IN HEADACHE  
 RES CLIN STUD HEADACHE  
 1,1967-6,1978  
 KARGER  
 BASEL SWITZERLAND  
 CONTINUED BY: PAIN AND HEADACHE.  
 W1 RE215B 0080-1453  
 R23300000 JTC: R5P

TITLES NO LONGER INDEXED AS OF JANUARY 1985

HLI AMHC FORUM  
 AMHC FORUM  
 26N1,OCT 1973--  
 ASSOCIATION OF MENTAL HEALTH CLERGY  
 BUFFALO NY UNITED STATES  
 CONTINUES: ASSOCIATION OF MENTAL HEALTH CHAPLAINS. AMHC NEWSLETTER. VOL. 33 NOT PUBLISHED. VOLS. FOR 1982?- INCLUDE AN ANNUAL MEMBERSHIP LIST OF THE ASSOCIATION OF MENTAL HEALTH CLERGY.  
 INDEXING CEASED WITH V34N2,APR 1982.  
 W1 AM879T  
 A26025000 JTC: GQY

HLI INFORMATION MANAGEMENT  
 INF MANAGE  
 17,1983--  
 INFORMATION AND RECORDS MANAGEMENT  
 WOODBURY NY UNITED STATES  
 CONTINUES: IRM; INFORMATION AND RECORDS MANAGEMENT. THIS TITLE IS NOT IN THE NLM COLLECTION.  
 INDEXING CEASED WITH V18N12,DEC 1984.  
 AHA  
 I14441000 JTC: INM

HLI CLINICAL GERONTOLOGIST  
 CLIN GERONTOL  
 1N1,FALL 1982--  
 HAWORTH PRESS  
 NEW YORK UNITED STATES  
 INDEXING CEASED WITH V3N2,WINTER 1984.  
 W1 CL71D 0731-7115  
 C25605000 JTC: CLI

HLI MD  
 MD  
 1,1957--  
 MD PUBLICATIONS  
 NEW YORK UNITED STATES  
 SUBTITLE VARIES: MEDICAL NEWSMAGAZINE, 1957-JULY 1980.  
 INDEXING CEASED WITH V28N12,DEC 1984.  
 W1 M256 0024-8010  
 M08450000 JTC: MA4

HLI EMERGENCY DEPARTMENT NEWS  
 EMERG DEP NEWS  
 1,OCT 1979--  
 HERLITZ PUBLISHING  
 FALLS CHURCH VA UNITED STATES  
 INDEXING CEASED WITH V6N12,DEC 1984.  
 W1 EM662AA 0195-3281  
 E05785000 JTC: EFJ

IM NATIONAL INSTITUTE OF ANIMAL HEALTH  
 QUARTERLY  
 NATL INST ANIM HEALTH Q (TOKYO)  
 1,1961-23N4,1984  
 NATIONAL INSTITUTE OF ANIMAL HEALTH, TOKYO  
 TOKYO JAPAN  
 ABSORBED BY: NORIN SUISANSHO KACHIKU EISEI SHIKENJO KENKYU HOKOKU.  
 W1 NA486CE 0027-951X  
 N04740000 JTC: NS2

HLI NATIONAL SAFETY NEWS  
 NATL SAF NEWS  
 1,1919--  
 NATIONAL SAFETY COUNCIL  
 CHICAGO UNITED STATES  
 CONTINUES THE WEEKLY LETTER. ISSUES FOR  
 1953- INCLUDE ANNUAL NATIONAL DIRECTORY OF  
 SAFETY FILMS.  
 INDEXING CEASED WITH V130N6, DEC 1984.  
 W1 NA705 0028-0100  
 N06160000 JTC: NTC

HLI NATIONAL UNDERWRITER. LIFE AND HEALTH  
 INSURANCE EDITION  
 NATL UNDERWRIT (LIFE HEALTH)  
 75,1971--  
 NATIONAL UNDERWRITER COMPANY  
 CINCINNATI OH UNITED STATES  
 VOLS. FOR 1969-70 ISSUED AS ITOGI NAUKI:  
 SERIA BIOLOGIJA; FOR 1972- AS ITOGI  
 NAUKI I TEKHNIKI. VOLS. FOR 1969-70 HAVE  
 NO VOL. NUMBERING BUT CONSTITUTE V. 1-2.  
 INDEXING CEASED WITH V88N52, DEC 29 1984.  
 W1 NA779T 0028-033X  
 N06700000 JTC: OAC

HLI PSYCHIATRIC NEWS  
 PSYCHIATR NEWS  
 1,1966--  
 AMERICAN PSYCHIATRIC ASSOCIATION  
 WASHINGTON UNITED STATES  
 CONTINUES A.P.A. NEWSLETTER AND MAIL POUCH  
 INDEXING CEASED WITH V19N24, DEC 21 1984.  
 W1 PS26T 0033-2704  
 P53300000 JTC: QCI

HLI SCIENCE DIGEST  
 SCI DIG  
 1,1937--  
 HEARST MAGAZINES  
 NEW YORK UNITED STATES  
 THIS TITLE IS NOT IN THE NLM COLLECTION.  
 INDEXING CEASED WITH V92N12, DEC 1984.  
 AHA 0036-8296  
 S11700000 JTC: UGQ

HLI SOCIAL SERVICE REVIEW  
 SOC SERV REV  
 1,1927--  
 UNIVERSITY OF CHICAGO PRESS  
 CHICAGO UNITED STATES  
 INDEXING CEASED WITH V56N4, DEC 1982.  
 W1 S0133 0037-7961  
 S29000000 JTC: UTU

HLI TODAYS NURSING HOME  
 TODAYS NURS HOME  
 1, MAY/JUNE 1980--  
 MCKNIGHT MEDICAL COMMUNICATIONS  
 NORTHFIELD IL UNITED STATES  
 INDEXING CEASED WITH V5N12, DEC 1984.  
 W1 T0172H 0274-5089  
 T11373000 JTC: WLG

HLI US MEDICINE  
 US MED  
 1,1965--  
 US MEDICINE  
 WASHINGTON UNITED STATES  
 INDEXING CEASED WITH V20N24, DEC 15 1984.  
 W1 U752 0042-1227  
 U05260000 JTC: WZP

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES -- JANUARY 1985

ADVANCES IN ONCOLOGY  
 1985--  
 J.B. LIPPINCOTT  
 HAGERSTOWN MD UNITED STATES  
 ON ORDER  
 SR0052308 \$47.50  
 J.B. LIPPINCOTT, THE HEALTH PROFESSIONS  
 PUBLISHERS OF HARPER AND ROW, INC., P.O.  
 BOX 1630, HAGERSTOWN MD 21741

ALTERNATIVE MEDICINE  
 1,1985--  
 VNU SCIENCE PRESS  
 UTRECHT NETHERLANDS  
 ON ORDER  
 SR0052513  
 VNU SCIENCE PRESS, BOC 2073, 3500 GB  
 UTRECHT, NETHERLANDS

ALTERNATIVE METHODS IN TOXICOLOGY  
 1,1983--  
 MARY ANN LIEBERT  
 NEW YORK UNITED STATES  
 IN PROCESS  
 SR0052412  
 MARY ANN LIEBERT, 157 EAST 86TH STREET, NEW  
 YORK NY 10028

ARTHROSCOPY  
 1,1985--  
 RAVEN PRESS  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0052437 \$80.00  
 OFFICIAL JOURNAL OF THE ARTHROSCOPY  
 ASSOCIATION OF NORTH AMERICA AND THE  
 INTERNATIONAL ARTHROSCOPY ASSOCIATION.  
 RAVEN PRESS, 1140 AVENUE OF AMERICAS, NEW  
 YORK NY 10036

BIOTECHNOLOGY SOFTWARE  
 IN1, SEP/OCT 1984--  
 MARY ANN LIEBERT  
 NEW YORK UNITED STATES  
 IN PROCESS  
 SR0052480 \$85.00  
 MARY ANN LIEBERT, 157 EAST 86TH ST, NEW  
 YORK NY 10028

CONVULSIVE THERAPY  
 1,1985--  
 RAVEN PRESS  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0052438 \$57.00  
 RAVEN PRESS, 1140 AVENUE OF THE AMERICAS,  
 NEW YORK NY 10036

DIABETES RESEARCH AND CLINICAL PRACTICE 1,1985-- ELSEVIER AMSTERDAM ON ORDER SR0052526	NETHERLANDS     \$100.75	OPHTHALMIC LASER THERAPY 1,1985-- MARY ANN LIEBERT NEW YORK ON ORDER SR0052481 MARY ANN LIEBERT, 157 EAST 86TH ST, NEW YORK NY 10028	UNITED STATES     \$90.00
HEART AND VESSEL 1,1985-- SPRINGER VERLAG BERLIN ON ORDER SR0052520	GERMANY, WEST     	PHYSIOTHERAPY PRACTICE 1,1985-- LONGMAN GROUP HARLOW, ESSEX ON ORDER SR0052327	ENGLAND     
INTENSIVE CARE NURSING 1,1985-- LONGMAN GROUP HARLOW, ESSEX ON ORDER SR0052330	ENGLAND     	SMALL COMPUTERS IN BIOMEDICAL RESEARCH 1,1985-- ELSEVIER SCIENCE PUBLISHING NEW YORK ON ORDER SR0052336	UNITED STATES     \$62.00
INTERNATIONAL JOURNAL OF CARDIAC IMAGING 1,1984-- MARTINUS NIJHOFF PUBLISHERS DORDRECHT ON ORDER SR0052388 MARTINUS NIJHOFF, SPUI BOULEVARD 50, 3311 GR DORDRECHT NETHERLANDS	NETHERLANDS     \$80.00	SPRINGER SERIES ON SOCIAL WORK 1,1984-- SPRINGER NEW YORK IN PROCESS SR0052486	UNITED STATES     
MEDICINE AND WAR 1,1985-- JOHN WILEY AND SONS NEW YORK ON ORDER SR0052491 JOHN WILEY AND SONS, 605 THIRD AVENUE, NEW YORK NY 10158	UNITED STATES     \$50.00	STRESS MEDICINE 1,1985-- JOHN WILEY CHICHESTER ON ORDER SR0052334	ENGLAND     \$95.00
NURSING PRACTICE 1,1985-- LONGMAN HARLOW, ESSEX ON ORDER SR0052331	ENGLAND     	TRENDS IN GENETICS 1,1985-- ELSEVIER AMSTERDAM ON ORDER SR0052529	NETHERLANDS     \$49.00
OCULAR PHARMACOLOGY 1,1985-- MARY ANN LIEBERT NEW YORK ON ORDER SR0052482 MARY ANN LIEBERT, 157 EAST 86TH ST, NEW YORK NY 10028	UNITED STATES     \$80.00		



"TRAINING TRAINERS" AT MLA

The one day NLM-sponsored workshop entitled "Teaching MEDLINE to the Health Professional: A Workshop for Search Intermediaries" will be presented at the Medical Library Association's Annual Conference in New York City on Friday, May 31, 1985, from 9:00 am to 4:30 pm. This workshop is designed to provide trained NLM searchers with the material and information necessary for teaching "The Basics of Searching MEDLINE" to health professionals. This NLM workshop for "training trainers" will be limited to searchers who a) have attended an NLM Initial Training class (or comparable training); b) have an NLM access account and are active MEDLARS searchers; and c) are willing, upon completion of the workshop, to train health professionals. MLA members who attend this workshop will receive 6.1 continuing education contact hours from MLA. Registration will be handled by the National Library of Medicine and requests must be made in writing using the form below. Space will be limited and applications must be received by May 1, 1985. Please send the completed form to: MEDLARS Management Section, National Library of Medicine, 8600 Rockville Pike, Bethesda MD 20209.

\*\*\*\*\*

TEACHING MEDLINE TO THE HEALTH PROFESSIONAL:  
A WORKSHOP FOR SEARCH INTERMEDIARIES

NAME \_\_\_\_\_

ORGANIZATION \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_

CITY/STATE/ZIP \_\_\_\_\_

PHONE ( ) EXT: \_\_\_\_\_

ATTENDED INITIAL TRAINING? YES \_\_\_\_\_ NO \_\_\_\_\_

DATES OF TRAINING \_\_\_\_\_

SITE OF TRAINING \_\_\_\_\_

MEDLARS USER ACCESS CODE \_\_\_\_\_

ARE YOU WILLING TO TRAIN HEALTH PROFESSIONALS? YES \_\_\_\_\_ NO \_\_\_\_\_

SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_



DATE OF ENTRY (DA) RANGES FOR INDEX MEDICUS (IM) YEARS

	<u>IM Year</u>	<u>DA Range</u>	<u>Number of citations</u>
(MED66)	1966 - 651113 through 661101		157,495
	1967 - 661123 through 671129		170,702
	1968 - 671212 through 681111		215,171
	1969 - 681117 through 691119		233,598
	1970 - 691126 through 701112		219,995
(MED71)	1971 - 701117 through 711117		214,378
	1972 - 711130 through 721030		231,610
	1973 - 721108 through 731116		217,751
	1974 - 731130 through 741119		223,693
(MED75)	1975 - 741205 through 751108		224,982
	1976 - 751120 through 761103		278,360
(MED77)	1977 - 761104 through 771031		266,305
	1978 - 771101 through 781027		235,094
	1979 - 781118 through 791026		247,281
(MED80)	1980 - 791027 through 801027		257,948
	1981 - 801028 through 811030		274,888
	1982 - 811031 through 821029		277,688
(MEDLINE)	1983 - 821030 through 831028		300,620
	1984 - 831029 through 841026		298,733
	1985 - 841029 through		

These DA ranges and citation totals reflect the citations added to the database, i.e., those published in IM, plus all the Special List citations, during the designated IM year. (Note: An IM year starts in about late October for DA values because of the lead time needed for printing the publication.) Any citation added during an IM year with a year of publication (YR) less than what is covered in the current file (MEDLINE) is later moved to the most recent backfile. MED75, MED77, and MED80 are backfiles that have received citations based on year of publication and, therefore, have citations with Dates of Entry beyond 761103, 791026, and 821029 respectively.

MED66 and MED71 are backfiles that received citations based only on Date of Entry and not also year of publication and, therefore, should not contain citations with DA values beyond the upper ranges shown here.

If necessary, DA ranges for a file may be determined by neighboring on (DA) values to find the upper and lower limits. The number of citations in each file are reported on page 2 of every NLM Technical Bulletin.

For more information about DA ranges, see the April '83 SEARCH HINT.





INDEX TO  
THE NLM TECHNICAL BULLETIN

March 1983 to December 1984

SUBJECT	DATE	ISSUE-PAGE
Abbreviations		
states	Jul 83	171-12
titles, search hint	Aug 83	172-4
Abstracts, MEDLINE Inclusion	Oct 83	174-6
Access		
codes for chemical and toxicology files	Oct 84	186-13
IBM 3270 terminals	Dec 83	176-5
methods for various terminals	Nov 84	187-12
UNINET for microcomputers	Nov 84	187-5
UNINET for selectric-type not available	Nov 84	187-5
UUSF unusable	Jan 84	177-3
AIDS, MeSH Addition	Mar 83	167-4
Aliases		
CLINPROT	Jul 83	171-4
PDQ/DIRECTORY	Jul 83	171-4
SHOWCOST	Dec 83	176-3
TOXBACK	Aug 83	172-3
	Sep 84	185-3
'at' (@)	Aug 83	172-5
AVLINE		
cataloging changes	Apr 83	168-10
data element changes	Feb 84	178-7
Imprint field (IM)	Mar 84	179-3
Language field (LA)	Mar 84	179-3
new field values	Jul 83	171-18
regeneration, 84	Feb 84	178-6

SDI service	Mar 83	167-5
update changes	Nov 83	175-3
	Apr 84	180-3
update schedule	Apr 83	168-3
videocassette loan program	Apr 84	180-14
Backfiles		
creation	Oct 83	174-6
MEDLINE name changes	Nov 83	175-4
BIOETHICSLINE		
producer phone number	Apr 84	180-3
Subject Captions field (SC)	Jan 84	177-10
thesaurus	May 84	181-10
CANCEREXPRESS		
charges	Jan 84	177-4
description of file	May 83	169-5
free time online	Sep 83	173-6
	Nov 83	175-3
implementation	Jun 83	170-4
Journal Subset field (SB)	Aug 83	172-3
CANCERLIT		
changes being proposed	Apr 83	168-3
changes in effect	May 83	169-7
citations included	Sep 84	185-4
Journal Subset field (SB)	Aug 83	172-3
user surveys	Aug 83	172-6
CANCERPROJ		
user surveys	Aug 83	172-6
Cataloging		
AVLINE changes	Apr 83	168-10
Notes for Medical Catalogers, 1982	Mar 83	167-4
CATLINE		
data element changes	Feb 84	178-7
Imprint field (IM)	Mar 84	179-3
Imprint field (IM), delay	Jun 84	182-5
Language field (LA)	Mar 84	179-3
regeneration, 84	Feb 84	178-6
SDI service	Mar 83	167-5
series, locating hint	Aug 83	172-10
update changes	Nov 83	175-3
	Apr 84	180-3
update schedule	Apr 83	168-3
Charges		
adjustment for 3/13/84	Apr 84	180-3
CANCEREXPRESS	Jan 84	177-4
CHEMLINE increase	Jan 84	177-enclosure
DIRLINE	Nov 83	175-3
EXPLAIN	Nov 83	175-3
free connect time adjustments	Oct 83	174-3
interlibrary loan	Aug 83	172-5
PDQ	Jun 84	182-3
PDQ/DIRECTORY	Jun 84	182-3
prime vs non-prime, time check	May 84	181-4
TOXLINE increase	Jan 84	177-enclosure
Chemical Files, Training	Oct 84	186-13



Data Elements		
abbreviations	Dec 83	176-7
AVLINE changes	Feb 84	178-7
BIOETHICSLINE, Subject Captions field (SC)	Jan 84	177-10
CATLINE changes	Feb 84	178-7
CLINPROT changes	Jun 83	170-3
DIRLINE changes	Feb 84	178-11
HEALTH changes	Mar 83	167-9
	Dec 83	176-6
PDQ changes	Jun 83	170-3
	Jul 83	171-4
Databases		
copyright	Jun 84	182-3
update frequency list	Jan 84	177-Appendix A
Date of Entry Field (DA)	Apr 83	168-6
ranges	Feb 84	178-Appendix A
increase in MEDLINE	Dec 84	188-4
Date of Publication Field (DP)		
standardization	Nov 84	187-8
Defaults, CHEMLINE Changes	Jun 83	170-11
DIRLINE		
cost	Nov 83	175-3
data element changes	Feb 84	178-11
description of file	Jul 83	171-9
manual chapter	Dec 83	176-enclosure
manual revised pages	May 84	181-enclosure
NHIC records added	Jun 84	182-7
offprints	Sep 83	173-6
OFFSEARCHes	Sep 83	173-6
organization additions	Sep 83	173-5
search hint	Jul 83	171-9
update status	Dec 83	176-enclosure
Errors		
citations	Feb 84	178-3
journals	Apr 83	168-5
pagination	Apr 83	168-4
publications, delays	Aug 84	184-13
EXPLAIN		
charges	Nov 83	175-3
SHOWCOST	Oct 83	174-3
TOXBACK files	Oct 83	174-3
EXPLODE		
MeSH Headings	Apr 83	168-4
tree numbers	Aug 84	184-4
Free Connect Time		
CANCEREXPRESS	Sep 83	173-6
	Nov 83	175-3
cost displays	Oct 83	174-3
PDQ	Apr 83	168-3
	Jul 83	171-4
	Sep 83	173-6
	Jan 84	177-4

PDQ/DIRECTORY	Aug 83	172-5
	Sep 83	173-6
	Jun 84	182-3
Hazardous Material Technical Center see - HMTc		
HEALTH PLANNING and ADMINISTRATION		
brochure available	Sep 84	185-4
data element changes	Mar 83	167-9
	Dec 83	176-6
different than MEDLINE	Dec 83	176-3
Journal Subset field (SB)	Aug 83	172-3
manual replacement pages	Dec 83	176-enclosure
NHPIC records added	Mar 83	167-7
PRINT format changes	Mar 83	167-11
SORT	Mar 83	167-8
Source field (S0) changes	May 83	169-4
update schedule, 84	Oct 83	174-Appendix B
year-end processing, 83	Oct 83	174-4
year-end processing, 84	Oct 84	186-4
HISTLINE		
Guide to Keywords in the Structured HISTLINE Vocabulary	Dec 84	188-4
file changes	Feb 84	178-5
vocabulary changes	Jun 84	182-6
HMTc, TOXLINE Subfile	Oct 84	186-10
Holiday Schedule		
Columbus Day, 83	Sep 83	173-3
Columbus Day, 84	Sep 84	185-3
Inauguration Day, 85	Dec 84	188-3
Independence Day, 83	May 83	169-3
Independence Day, 84	May 84	181-3
Labor Day, 83	Jul 83	171-3
Labor Day, 84	Jul 84	183-3
Memorial Day, 83	Apr 83	168-3
Memorial Day, 84	Apr 84	180-3
Thanksgiving Day, 85	Dec 84	188-3
Veterans Day, 83	Oct 83	174-3
Veterans Day, 84	Oct 84	186-3
Washington's Birthday, 84	Jan 84	177-4
December 1983	Nov 83	175-3
December 1984	Nov 84	187-3
1984 schedule	Oct 83	174-6
1985 schedule	Oct 84	186-8
IBM 3270 Terminal	Dec 83	176-5
ID Codes		
cancellations	May 83	169-3
user id. vs password	Dec 83	176-4
ILL		
see - Interlibrary Loan		
ILO, TOXLINE Subfile	Nov 84	187-10
Imprint Field (IM)		
AVLINE	Mar 84	179-3
CATLINE	Mar 84	179-3
implementation delay	Jun 84	182-5

Indexing		
new online system at NLM	Jul 84	183-5
policy regarding letters, editorials, and news	Dec 84	188-9
INFORM, Description of File	Feb 84	178-4
Interlibrary Loan		
AVLINE videocassette program	Apr 84	180-14
charges	Aug 83	172-5
NHPIC documents	Mar 83	167-8
INTROMED, File Announced	Apr 84	180-7
Invoices, August 84 Costs	Sep 84	185-3
Journals		
CANCEREXPRESS subset	Aug 83	172-3
CANCERLIT subset	Aug 83	172-3
errors in inclusion	Apr 83	168-5
HEALTH subset	Aug 83	172-3
MEDLINE subset	Aug 83	172-3
SERLINE subset	Aug 83	172-3
Language Field (LA)		
AVLINE	Mar 84	179-3
CATLINE	Mar 84	179-3
FOR(LA)	Mar 83	167-3
limiting to English	Mar 84	179-7
Limiting		
English language	Mar 84	179-7
MEDLINE authors	Oct 83	174-6
List of CLINPROT Index Terms	May 83	169-4
	Jun 83	170-4
	Feb 84	178-3
<u>List of Journals Indexed in Index Medicus</u>		
1983 availability	Mar 83	167-4
1984 availability	May 84	181-4
<u>List of Serials Indexed for Online Users</u>		
title abbreviations	Aug 83	172-4
title change	May 83	169-3
1983 availability	Apr 83	168-5
1984 availability	Mar 84	179-4
LOGON, Special MEDLEARN Procedure	May 84	181-3
MEDLARS		
expanded hours	Oct 84	186-8
system down	Nov 83	175-3
system down, Dec 8, 84	Nov 84	187-3
system greeting changed	Oct 84	186-3
MEDLEARN		
LOGON procedure	May 84	181-3
new version	Jun 83	170-13
MEDLINE		
abstract inclusion	Oct 83	174-6
backfile creation	Oct 83	174-6
backfile name changes	Nov 83	175-4
Date of Entry (DA) ranges different than HEALTH	Feb 84	178-Appendix A
Journal Subset field (SB)	Dec 83	176-3
pagination errors	Aug 83	172-3
	Apr 83	168-4

Registry Numbers (RN)	Jan 84	177-5
1984 update schedule	Oct 83	174-Appendix B
year-end processing, 83	Oct 83	174-4
year-end processing, 84	Oct 84	186-4
Memorandum of Understanding		
agreement signature	Jul 84	183-3
new version	Jun 84	182-5
MeSH		
additions		
AIDS	Mar 83	167-4
Human T-Cell Leukemia Virus	Jun 84	182-3
EXPLODE	Apr 83	168-4
1984 corrections to annotations	Dec 83	176-10
1984 terms added	Oct 83	174-5
1985 availability online	Oct 84	186-8
MeSH Tools		
changes to tree annotations	Oct 83	174-15
errata and additions	Oct 83	174-13
	Dec 84	188-10
1984 availability	Aug 83	172-5
1985 availability	Aug 84	184-3
MeSH Vocabulary File	Nov 83	175-4
backfile posting changes	Feb 84	178-3
	Nov 84	187-4
MLA Annual Meeting		
1983 Online Users Meeting announced	Apr 83	168-5
1983 remarks by Lois Ann Colaianni	Aug 83	172-11
NAF Regeneration	Feb 84	178-10
	Apr 84	180-4
NHIC Records Added to DIRLINE	Jun 84	182-7
NHPIC		
HEALTH	Mar 83	167-7
interlibrary loan	Mar 83	167-8
search hint	May 83	169-10
unit record, sample	Mar 83	167-11
NLM		
online indexing system	Jul 84	183-5
indexing policy regarding letters, editorials, and news	Dec 84	188-9
Notes for Medical Catalogers		
1982 reprint	Mar 83	167-4
1983 edition	Jun 84	182-5
Offprints		
DIRLINE	Sep 83	173-6
PDQ/DIRECTORY	Sep 83	173-6
OFFSEARCHes		
DIRLINE	Sep 83	173-6
PDQ/DIRECTORY	Sep 83	173-6
purges	Jan 84	177-15
Overriding Prompts	Sep 83	173-3
Pagination, MEDLINE Errors	Apr 83	168-4
PDQ		
cost	Jun 84	182-3

data element changes	Jun 83	170-3
	Jul 83	171-4
deletion of file	Oct 84	186-3
free connect time	Apr 83	168-3
	Jul 83	171-4
	Sep 83	173-6
	Jan 84	177-4
PRINT format, LOCS	Mar 84	179-3
Simplified Title field (STI)	Oct 84	186-3
stringsearch	Jul 83	171-15
user surveys	Aug 83	172-6
PDQ/DIRECTORY		
alias	Jul 83	171-4
cost	Jun 84	182-3
deletion of file	Oct 84	186-3
	Nov 84	187-3
description	Jun 83	170-5
free connect time	Aug 83	172-5
	Sep 83	173-6
	Jan 84	177-4
offprints	Sep 83	173-6
OFFSEARCHes	Sep 83	173-6
search hint	Jun 83	170-5
States field (STS)	Sep 83	173-3
unit record	Jun 83	170-8
PDQ, User Friendly		
description	Mar 84	179-4
update of changes	Dec 84	188-5
Phones List	Oct 83	174-Appendix C
	Feb 84	178-Appendix B
	Sep 84	185-Appendix A
POPLINE		
SDI service	Mar 83	167-6
Thesaurus available	Jul 84	183-6
Thesaurus, Geographical Supplement	Jul 83	171-20
	Jul 83	171-enclosure
1984 MeSH	Feb 84	178-3
1984 update schedule	Oct 83	174-Appendix B
Pre-Explosions		
availability, 84	Oct 83	174-7
availability, 85	Oct 84	186-9
list, 84	Oct 83	174-Appendix A
list, 85	Oct 84	186-Appendix A
list by category	Dec 83	176-Appendix A
new terms	Apr 83	169-3
suggestions will be taken for 85 from users	Feb 84	178-3
term occurs in several trees	Dec 83	176-5
Pricing Algorithm		
cost-effective searching	Sep 83	173-7
description	Jul 83	171-5
effective date	Sep 83	173-6
	Oct 83	174-3
rates, offline	Oct 83	174-9
rates, online	Oct 83	174-8



search hint	Sep 83	173-7
Printing		
cancel offprints	Nov 83	175-6
	Nov 84	187-4
HEALTH, new format	Mar 83	167-11
online vs offline	Jul 83	171-17
output, large	Jul 83	171-4
PDQ, new format	Mar 84	179-3
Publications		
dating of delayed publications	Aug 84	184-13
Keyword Index to NLM Literature Searches	May 84	181-5
List of Journals Indexed in		
Index Medicus, 83	Mar 83	167-4
List of Serials Indexed for		
Online Users, 84	Mar 84	179-4
MEDLARS tools	Jan 84	177-4
Notes for Medical Catalogers, 82 reprint	Mar 83	167-4
Notes for Medical Catalogers, 83 edition	Jun 84	182-5
Online Services Reference Manual, 82 sup.	Jun 84	182-4
Thesaurus, Health Information Terms	Jul 84	183-4
Regeneration		
AVLINE	Feb 84	178-6
CATLINE	Feb 84	178-6
CHEMLINE	Sep 84	185-4
NAF	Feb 84	178-10
	Apr 84	180-4
TDB	Sep 84	185-4
TOXLINE	Aug 84	184-5
Registry Number Field (RN)		
MEDLINE changes	Jan 84	177-5
search hint	Jul 83	171-13
RESTACK	Nov 83	175-5
RPROJ, TOXLINE Subfile		
removed temporarily	Oct 84	186-3
8412 (EM) update to include CRISP	Dec 84	188-6
RTECS		
classification code changes	Jul 83	171-19
update / changes	Apr 84	180-3
SAVE	Nov 83	175-5
SDI Service		
AVLINE	Mar 83	167-5
CATLINE	Mar 83	167-5
NHPIC additions	Mar 83	167-8
POPLINE	Mar 83	167-6
SDILINE delay for Jan 85	Dec 84	188-3
search hint	Nov 83	175-7
TOXLINE		
SORT format	Apr 83	168-3
data element changes for T601-700	Nov 84	187-3
Search Hints		
"at" sign (@)	Aug 83	172-5
BIOETHICSLINE thesaurus	May 84	181-10
CATLINE, finding series	Aug 83	172-10
citations, missing	Sep 83	173-15

cost-effective searching	Aug 83	172-7
Date of Entry (DA)	Apr 83	168-6
data form abbreviations	Dec 83	176-7
DIRLINE	Jul 83	171-9
HEALTH	Mar 83	167-7
limiting to English language	Mar 84	179-7
MEDLINE/HEALTH dissimilarities	Dec 83	176-3
NHPIC citations in HEALTH	May 83	169-10
OFFSEARCH purges	Jan 84	177-15
PDQ, stringsearching	Jul 83	171-15
PDQ/DIRECTORY	Jun 83	170-5
pricing algorithm	Sep 83	173-7
Registry Numbers (RN)	Jul 83	171-13
Subject Captions (SC) in BIOETHICSLINE	Jan 84	177-11
SDI	Nov 83	175-7
SERLINE	Jun 84	182-5
stringsearching titles	May 83	169-4
title abbreviations	Aug 83	172-4
TOXLINE	Sep 83	173-14
SERLINE		
changes	Jul 84	183-3
Journal Subset (SB) values	Aug 83	172-3
new version, description	Mar 84	179-6
strategy correction	Jun 84	182-5
SHOWCOST	Jul 83	171-7
aliases	Dec 83	176-3
explain	Oct 83	174-3
SORT		
HEALTH	Mar 83	167-8
TOXLINE	Mar 83	167-3
Source Field (SO), HEALTH Changes	May 83	169-4
State Abbreviations	Jul 83	171-12
States Field (STS), PDQ/DIRECTORY	Sep 83	173-3
Stringsearch		
PDQ	Jul 83	171-15
titles	May 83	169-4
Subsets		
charges	Sep 84	185-11
policy description	Sep 84	185-8
program description	Sep 84	185-5
TDB		
regeneration	Sep 84	185-4
update, 1983	Sep 83	173-6
update, 1984	Oct 84	186-12
update delay	Jul 84	183-3
update schedule	Mar 83	167-4
Technical Bulletin		
Equipment Configuration feature	Aug 84	184-11
Index Titles Update feature	Apr 84	180-15
New Serial Titles and Title Changes	Apr 84	180-16
Technical Notes, Indexing No.245	May 84	181-enclosure
Telecommunications		
brochures mailed	May 84	181-4
call waiting	Apr 83	168-4

network services	Jun 84	182-11
service contracts	Apr 84	180-6
TELENET WATS, password changes	Aug 84	184-3
terminal identifiers, TELENET	Apr 84	180-4
TYMNET procedures	Apr 84	180-5
UNINET procedures	Jun 84	182-10
TELENET WATS, Password Changes	Aug 84	184-3
Terminal Identifiers, TELENET	Apr 84	180-4
Tools		
indexing, availability	Nov 83	175-5
Indexing Manual	Feb 84	178-3
POPLINE, Geographical Supplement	Jul 83	171-enclosure
POPLINE, Thesaurus	Jul 83	171-20
Thesaurus, BIOETHICSLINE	May 84	181-10
Thesaurus, Health Information Terms	Jul 84	183-4
TOXBACK		
aliases	Aug 83	172-3
	Sep 84	185-3
explain	Oct 83	174-3
TOXBACK65, File Online	Sep 83	173-3
Toxicological Files, Training	Oct 84	186-13
TOXLINE		
additional materials	Apr 83	168-11
CRISP subset of RPROJ subfile	Dec 84	188-6
HMTC subfile	Oct 84	186-10
ILO subfile	Nov 84	187-10
price increase	Jan 84	177-enclosure
regeneration description	Aug 84	184-5
RPROJ subfile removed temporarily	Oct 84	186-3
SDI		
new SORT format	Apr 83	168-3
data element changes in T601-700	Nov 84	187-3
search hint, comprehensive searching	Sep 83	173-14
SORT feature	Mar 83	167-3
update schedule revised	Sep 84	185-3
1984 update schedule	Oct 83	174-Appendix B
Training		
abbreviated advanced, Reg 3 schedule	Aug 83	172-4
abbreviated advanced, Reg 3 rescheduled	May 83	169-3
abbreviated advanced, Reg 6 notification	Apr 83	168-4
application, 1984	Sep 83	173-11
backup searcher class	May 84	181-3
Health Professional Seminar	Apr 84	180-7
Health Professional Seminar, application	Apr 84	180-9
Initial, hearing impaired	Nov 83	175-5
Initial, regional schedule	Mar 83	167-12
program, 1984	Sep 83	173-9
Teaching MEDLINE to the Health Professional	Apr 84	180-10
	Nov 84	187-6
Training for Health Professional trainers	Apr 84	180-10
training trainers	Jun 84	182-5
training trainers workshop	Dec 84	188-3
1983 tentative schedule	Mar 83	167-13
1984 tentative schedule	Sep 83	173-13

1984 schedule changes	Feb 84	178-3
1985 tentative schedule	Sep 84	185-14
Tree Numbers		
errata and additions	Oct 83	174-13
EXPLODE	Aug 84	184-4
TYMNET Access Procedure	Apr 84	180-5
UNINET		
access for microcomputers	Nov 84	187-5
access procedures	Jun 84	182-10
no access for selectric-type terminals	Nov 84	187-5
Unit Record, CHEMLINE Changes	Apr 84	180-13
Update Schedule		
AVLINE	Apr 83	168-3
	Nov 83	175-3
	Apr 84	180-3
CATLINE	Apr 83	168-3
	Nov 83	175-3
	Apr 84	180-3
CANCERLIT	Oct 83	174-Appendix B
CHEMLINE, delay	Jul 84	183-3
CLINPROT	Mar 83	167-3
Database Frequency List	Jan 84	177-Appendix A
DIRLINE, status	Dec 83	176-5
HEALTH	Oct 83	174-Appendix B
POPLINE, schedule	Oct 83	174-Appendix B
POPLINE, corrections	Jan 84	177-5
TDB	Mar 83	167-4
	Sep 83	173-6
	Jul 84	183-3
TOXLINE, 1984	Oct 83	174-Appendix B
TOXLINE, revised	Sep 84	185-3
1985 list	Oct 84	186-Appendix B
Updates, Regional Schedule	Sep 84	185-17
Users Meeting, Online		
1983, questions and answers	Aug 83	172-12
1984, announcement	Apr 84	180-3
1984, questions and answers	Aug 84	184-7
User Surveys, Cancer Files	Aug 83	172-6
UUSF Unusable for Access	Jan 84	177-3
Year-End Processing		
1984 MEDLINE/HEALTH	Oct 83	174-4
1985 MEDLINE/HEALTH	Oct 84	186-4

**DIRLINE**

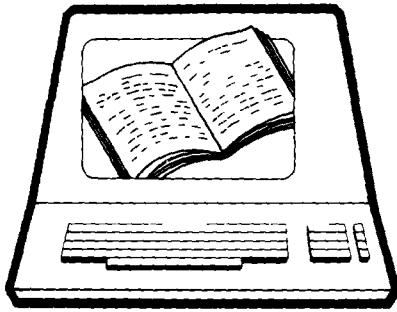
**DIRECTORY OF INFORMATION RESOURCES ONLINE**

**SELF-INSTRUCTIONAL GUIDE**

**JANUARY 1985**

**NATIONAL LIBRARY OF MEDICINE  
SPECIALIZED INFORMATION SERVICES DIVISION**





NATIONAL LIBRARY OF MEDICINE  
SPECIALIZED INFORMATION SERVICES  
TOXICOLOGY INFORMATION PROGRAM

# DIRLINE

DIRECTORY OF  
INFORMATION RESOURCES ONLINE

# FACT SHEET

---

Bethesda, Maryland 20209

---

**DIRLINE  
DEFINED**

DIRLINE (Directory of Information Resource Online), is the National Library of Medicine's online, interactive directory which refers users to organizations providing information in specific subject areas. Currently, records in DIRLINE come from two sources, the Library of Congress' National Referral Center (NRC) database, and the National Health Information Clearinghouse (NHIC) database. DIRLINE is updated quarterly.

The NRC component contains information on 13,621 resource centers. These centers include public and private organizations, with specialized information in particular fields. Each record is updated by the NRC at least once every two years.

The NHIC component contains 1500 records which refer users to organizations providing information in various areas of health and disease. Each record in NHIC is updated at least once a year.

**DIRLINE  
ACCESSED**

DIRLINE can be accessed by a variety of terminals connected to the central computer facility at the National Library of Medicine in Bethesda, Maryland. Connection is established via direct telephone line or nationwide networks with access nodes located in many major cities.

**DIRLINE  
SEARCHED**

DIRLINE can be searched by organization name to find the scope of coverage and/or services provided by a particular resource center. It can also be searched using text words or subject-related keywords to find organizations providing information in a certain area, or offering a specific service. A sample DIRLINE record as it might be retrieved from the online file, follows:

**SECONDARY SOURCE ID**  
**NAME**  
**ADDRESS**  
  
**ADDRESS**  
**COUNTRY/STATE**  
**ZIP CODE**  
**ABSTRACT**

NRC/69/017988  
HERPES RESOURCE CENTER (HRC)  
P O BOX 100, PALO ALTO, CALIF 94302 TEL (415)  
328-7710  
LOCATION 260 SHERIDAN AVE  
CALIFORNIA (CA)  
94302

**INTRODUCTION:** A NONPROFIT ORGANIZATION, HRC PROVIDES INFORMATION ON TREATMENT AND RESEARCH CONDUCTED ON HERPES INFECTIONS AS WELL AS PROVIDING EMOTIONAL SUPPORT TO THOSE AFFLICTED. IT ALSO OFFERS OPPORTUNITIES TO PARTICIPATE IN RESEARCH, EDUCATION, POLITICAL ACTION, AND FUND RAISING PROJECTS. **INTERESTS:** HERPES SIMPLEX VIRUS, VENEREAL DISEASE, SOCIAL HEALTH, PUBLIC HEALTH. **PUBLICATION:** THE HELPER (QUARTERLY), RESEARCH SUMMARIES. **INFO SERVICES:**

ANSWERS INQUIRIES; PROVIDES ADVISORY AND REFERENCE SERVICES AND INFORMATION ON RESEARCH IN PROGRESS; CONDUCTS SEMINARS; DISTRIBUTES PUBLICATIONS; MAKES REFERRALS TO OTHER SOURCES OF INFORMATION. SERVICES ARE FREE AND AVAILABLE TO ANYONE, EXCEPT FOR PUBLICATIONS AND SEMINARS, WHICH ARE LIMITED TO MEMBERS.

<b>KEYWORD</b>	VENEREAL DISEASES
<b>KEYWORD</b>	HERPES SIMPLEX VIRUS
<b>KEYWORD</b>	PUBLIC HEALTH
<b>KEYWORD</b>	MEDICAL RESEARCH
<b>KEYWORD</b>	MEDICAL CARE
<b>KEYWORD</b>	SOCIAL MEDICINE
<b>KEYWORD</b>	CONTINUING MEDICAL EDUCATION
<b>KEYWORD</b>	PUBLIC EDUCATION
<b>KEYWORD</b>	HEALTH EDUCATION
<b>KEYWORD</b>	PROFESSIONAL ASSOCIATIONS
<b>NAME TYPE</b>	NON-PROFIT INSTITUTION
<b>NAME TYPE</b>	UNDESIGNATED
<b>ENTRY MONTH</b>	8205

**DIRLINE  
AVAILABILITY**

DIRLINE is available at NLM Monday through Friday from 3:00 A.M. to 9:00 P.M., and Saturday from 8:30 A.M. to 5:00 P.M. (Eastern Time).

**DIRLINE  
USER SERVICES**

For Online Systems services including access to Dirline contact:

MEDLARS Management Section  
National Library of Medicine  
8600 Rockville Pike  
Bethesda, Md. 20209  
Telephone: (301) 496-6193

For DIRLINE content and search strategies, contact:

Specialized Information Services  
National Library of Medicine  
8600 Rockville Pike  
Bethesda, Md. 20209  
Telephone: (301) 496-1131



## DIRLINE

TRAINEES WILL BE ABLE TO:

1. DESCRIBE SCOPE AND CONTENT OF DIRLINE
2. UNDERSTAND THE PURPOSE, SEARCH ENTRY FORMAT, AND MNEMONICS OF THE DATA ELEMENTS IN THE UNIT RECORD
3. FORMULATE SEARCH STRATEGIES USING TEXT WORDS AND KEYWORDS
4. SEARCH DIRLINE USING COST-EFFECTIVE TECHNIQUES
5. USE DIRLINE TO AUGMENT BIBLIOGRAPHIC AND FACTUAL DATABASE SEARCHES

## SCOPE

NATIONAL REFERRAL CENTER DATABASE (NRC)  
(DEVELOPED AND MAINTAINED BY THE NRC, LIBRARY OF CONGRESS)

* LIFE SCIENCES	60%
* PHYSICAL SCIENCES	} → 40%
* ENGINEERING	
* SOCIAL SCIENCES	
* HUMANITIES	
* MISCELLANEOUS	

NATIONAL HEALTH INFORMATION CLEARINGHOUSE DATABASE (NHIC)  
(SPONSORED BY THE OFFICE OF DISEASE PREVENTION AND HEALTH PROMOTION, HHS)

* HEALTH-RELATED ORGANIZATIONS	100%
--------------------------------	------

## CONTENT

NRC - >13,000 INFORMATION RESOURCE DESCRIPTIONS

[MULTIDISCIPLINARY]

- \* SCIENTIFIC SOCIETIES
- \* INFORMATION CENTERS
- \* LIBRARIES
- \* DATA ANALYSIS CENTERS
- \* HOSPITALS
- \* UNIVERSITY CENTERS
- \* FEDERAL, STATE, & LOCAL GOVERNMENT OFFICES  
OR LABORATORIES
- \* MUSEUMS
- \* ETC.

NHIC - >1,500 INFORMATION RESOURCE DESCRIPTIONS

(>400 RECORDS IMPLEMENTED IN DIRLINE 6/84)

[HEALTH-RELATED ONLY]

- \* FEDERAL AND STATE AGENCIES
- \* VOLUNTARY ASSOCIATIONS
- \* SUPPORT GROUPS
- \* INFORMATION CENTERS

## PURPOSE OF DIRLINE

- O ASSIST MEDLARS USERS BY PROVIDING AN ALTERNATE RESOURCE FOR ANSWERING INFORMATION NEEDS NOT MET BY BIBLIOGRAPHIC OR FACTUAL DATABASES
- O ASSIST HEALTH PROFESSIONALS IN LOCATING SERVICE FACILITIES, AND PATIENT EDUCATION MATERIALS SPECIFIC TO A PATIENT'S NEED
- O ASSIST INFORMATION SPECIALISTS TO IDENTIFY ORGANIZATIONS CAPABLE OF PROVIDING USER SUPPORT SERVICES SUCH AS DATABASES, ETC.
- O ASSIST LAYMEN AS A GENERAL REFERENCE TOOL IN LOCATING "HELPING" ORGANIZATIONS SUCH AS HOSPICES, CRISIS CENTERS, ETC.

DIRECTORY OF INFORMATION RESOURCES ONLINE

DIRLINE UNIT RECORD

CATEGORY	ELEMENT	SEARCH	PRINT	PRINT	PRINT
QUALIFIER	NAME	STATUS		FULL	DETAILED
AB	ABSTRACT	TW	Y	Y	Y
AD	ADDRESS		N	Y	Y
CY	COUNTRY	*	N	N	Y
EM	ENTRY MONTH	*,R	N	N	Y
FX	FORWARD CROSS REFERENCE	TW	N	N	Y
GN	GENERAL NOTES	TW	Y	Y	Y
HO	HOLDINGS	TW	Y	Y	Y
IC	INSTITUTION CONTACTS		Y	Y	Y
ID	IDENTIFICATION NUMBER		N	N	Y
KW	KEYWORDS	*,TW	N	N	Y
LR	LAST REVISION DATE	*	N	N	Y
NA	NAME	*,TW	Y	Y	Y
NT	NAME TYPE	*	N	Y	Y
PO	PERFORMING ORGANIZATION		N	N	Y
SA	SUPPORTING AGENCY	*,TW	N	N	Y
SI	SECONDARY SOURCE ID	*	Y	Y	Y
ST	STATUS		N	N	Y
ZP	ZIP CODE	*	N	N	Y

\* = Directly Searchable      N = NO

TW = Text Word Searchable      Y = YES

R = Rangeable

NRC SAMPLE RECORD

USER:  
▶ aamsi  
PROG:  
SS (1) PSTG (1)

Note use of the acronym to search organization name.

SS 2 /C?  
USER:  
prt dl indented compressed  
PROG:

1  
SECONDARY SOURCE ID  
NAME

NRC/69/012009

American Association for Medical Systems and Informatics  
▶ (AAMSI)

ADDRESS

4405 East-West Highway, Suite 210, Bethesda, MD 20814 TEL.  
(301) 657-4142

COUNTRY  
ZIP CODE  
ABSTRACT

Maryland (MD)  
20814

INTRODUCTION: AAMSI is a medical society consisting of professionals who are associated with or have interest in the dynamic field of medical systems and computer medicine, including physicians, nurses, hospital and medical record administrators, computer professionals, and students in related fields. The membership represents government, industry, academia, and professionals of several countries outside the United States. INTERESTS: Development of medical scientific and educational programs and dissemination of related information; promotion of development of systems for health care and medical informatics in support of patient care, teaching, research, and health administration; fostering medical computing and medical information technology through an interdisciplinary forum dedicated to improving patient care and the general health of the public.

PUBLICATIONS: AAMSI News (quarterly newsletter); proceedings of annual conferences and scientific meetings. INFO SERVICES: The AAMSI membership brochure and a sample newsletter are distributed in response to inquiries concerning the Association. In reply to specific subject inquiries, referral is made to appropriate board officers, committee chairpersons, or Association members. There are no restrictions on access to information for professionals in related fields. The quarterly newsletter may be acquired by subscription and proceedings of conferences and scientific meetings may be purchased.

KEYWORDS

Health information systems ; Medical care ; Medical records ; Medical technology ; Health care delivery services ; Biomedical computer applications ; Bioengineering ; Health services administration ; New technologies ; Technological innovations ; Systems analysis ; Systems development ; Technology transfer ; Continuing medical education ; Medical personnel ; Paraprofessional personnel ; Diagnosis ; Therapy ; Needs assessment ; Futures design ; Professional associations

NAME TYPE  
ENTRY MONTH

Society ; Administrative Office  
8208



## (TW) TEXT WORD SEARCHING

- o DIRLINE IS ESSENTIALLY A FREE-TEXT DATABASE
- o AB, FX, GN, HO, KW, NA, SA FIELDS HAVE BEEN TEXTTRACTED
- o USE NBR COMMAND TO BROWSE DIRLINE INDEX
- o SEARCH TERM(S) CAN BE EITHER QUALIFIED BY (TW) OR ENTERED AS A SINGLE UNQUALIFIED TERM\*
- o USE ALL OPERATOR WHEN USING SINGLE OR MULTI-CHARACTER SUBSTITUTION SYMBOLS

\* NON-QUALIFIED SEARCH TERMS ARE SUBJECT TO MULTI-MEANING MESSAGES. THESE MESSAGES SLOW YOU DOWN A BIT, BUT THEY ALSO TELL YOU SOMETHING THAT YOU MAY NOT HAVE KNOWN BEFORE AND CAN BE HELPFUL IN YOUR SEARCH STRATEGY.



## SPECIFIC DATA ELEMENT SEARCHING

### o NAME (NA)

FIRST 39-CHARACTERS ARE DIRECTLY SEARCHABLE

ORGANIZATION NAMES CONTAINING ACRONYMS ARE SEARCHABLE BY USING THE ACRONYM

### o KEYWORD (KW)

INDEX TERMS ARE ASSIGNED TO RECORDS IN THE NRC COMPONENT BY ANALYSTS AT NRC/LC, BUT NO THESAURUS IS AVAILABLE FOR SEARCHING.

INDEX TERMS ARE ASSIGNED TO RECORDS IN THE NHIC COMPONENT USING THE HEALTH INFORMATION TERMS (HITS) THESAURUS DEVELOPED BY THE NATIONAL HEALTH INFORMATION CLEARINGHOUSE. (THESAURUS IS AVAILABLE THROUGH NHIC.)

### o COUNTRY (CY)

RESOURCES LOCATED IN THE US ARE SEARCHABLE USING THE 2-CHARACTER UNITED STATES POSTAL SERVICE (USPS) ABBREVIATION, OR FULL STATE NAME.

NON-US RESOURCES ARE DIRECTLY SEARCHABLE BY COUNTRY NAME.

### o ZIP CODE (ZP)

RESOURCES LOCATED IN THE US ARE SEARCHABLE USING AREA ZIP CODE.

APPROXIMATELY 70% OF NON-US RESOURCES DO NOT CONTAIN ZIP CODES, AND ZIP CODE FIELD IS "PACKED" WITH XX'S.

REMEMBER: NEIGHBOR (NBR) FOR EXACT ENTRY FORMAT

DISGUISE BOOLEAN OPERATOR(S) EMBEDDED IN MULTI-TERM NA OR KW FIELDS

SAMPLE SEARCH USING NAME FIELD

SS 1 /C?

USER:

▶ nbr national health info: (na)

PROG:

Neighbored (NBR) the index for the exact entry format of the organization name (NA).

POSTINGS

TERM

1 NATIONAL HEALTH EDUCATION COMMITTEE, IN  
1 NATIONAL HEALTH FEDERATION (NHF)  
1 NATIONAL HEALTH INFORMATION AND DOCUMEN  
1 NATIONAL HEALTH INFORMATION CLEARINGHOU  
1 NATIONAL HEALTH LAW PROGRAM (NHELP)

UP N OR DOWN N?

USER:

▶ find (na) national health information clearinghouse

PROG:

SS (1) PSTG (1)

Searched NA field for the organization name. First 39-characters are directly searchable.

SS 2 /C?

USER:

prt na

PROG:

1

▶ NA - National Health Information Clearinghouse (NHIC)

SS 2 /C?

USER:

nhic

PROG:

SS (2) PSTG (1)

NOTE:

Acronym in the NA field is searchable as a TW. All words in the NA field have been textextracted.

SS 3 /C?

USER:

prt na

PROG:

1

NA - National Health Information Clearinghouse (NHIC)

SS 3 /C?

USER:

SAMPLE SEARCH USING KEYWORDS

► nbr abstracting (kw)  
PROG:

POSTINGS	TERM
1	ABSTINENCE
1	ABSTRACT ART
13	ABSTRACTING
7	ABSTRACTING AND INDEXING SERVICES
1	ABSTRACTS ON TROPICAL AGRICULTURE

UP N OR DOWN N?

USER:  
n  
PROG:

SS 1 /C?

USER:

► (kw) abstracting and indexing services  
PROG:  
NP (INDEXING SERVICES (KW))  
\*NONE-

SS 1 /C?

USER:

► (kw) abstracting a#d indexing services  
PROG:  
SS (1) PSTG (7)

SS 2 /C?

USER:

► 1 and all medic:  
PROG:  
SS (2) PSTG (3)

SS 3 /C?

USER:

► 2 and md (cy)  
PROG:  
\*NONE-

SS 3 /C?

USER:

Neighbored (NBR) index for the exact entry format of the term(s) in the Keywords (KW) field.

Searched KW field for concept and failed to disguise the boolean operator AND.

Searched KW field and retrieved desired results.

Limited search retrieval to medical/medicine discipline.

Limited search retrieval to a particular geographic location (Maryland), and found no resources.

SEE FOLLOWING PAGE FOR THE SAME SEARCH STRATEGY USING TEXT WORDS (TW) →

SAMPLE SEARCH USING TEXT WORDS

▶ nbr abstracting  
PROG:

Neighbored (NBR) the index  
for the search concept(s).

POSTINGS      TERM  
      1      ABSTRACT ART (KW)  
      28     ABSTRACTED (TW)  
     508     ABSTRACTING (TW)  
      13     ABSTRACTING (KW)  
       7     ABSTRACTING AND INDEXING SERVICES (KW)  
UP N OR DOWN N?

USER:  
n  
PROG:

SS 1 /C?

USER:

▶ abstracting and indexing and services  
PROG:  
SS (1) PSTG (472)

ANDED text word(s) desired  
for retrieval.

SS 2 /C?

USER:

▶ 1 and all medic:  
PROG:  
SS (2) PSTG (75)

Limited search retrieval to  
medical/medicine discipline.

SS 3 /C?

USER:

▶ 2 and md (cy)  
PROG:  
SS (3) PSTG (7)

Limited search retrieval to  
a particular geographic  
location (Maryland).

SS 4 /C?

USER:

prt 1 na,ad, kw compressed  
PROG:

1

NA - National Health Standards and Quality Information  
Clearinghouse (NHSQIC)  
AD - 11301 Rockville Pike, Kensington, MD 20895 TEL. (301)  
881-9400  
KW - Medicare ; Medicaid ; Hospitals ; Medical facilities ;  
Medical care ; Laboratories ; Extended care facilities ;  
Standards ; Quality assurance ; Professional standards ;  
Medical care costs ; Quality control ; Machine readable  
data bases ; Bibliographic data bases ; NHSQIC

SS 4 /C?

USER:

SEE FOLLOWING PAGE FOR A DETAILED DISPLAY OF RECORD →

DISPLAY OF SEARCH RETRIEVAL

prt 1 dl compressed  
PRG:

NOTE:

This record can only be  
retrieved by TW searching.  
Concept is not in KW field.

1  
SI - NRC/69/019204  
NA - National Health Standards and Quality Information  
Clearinghouse (NHSQIC)  
AD - 11301 Rockville Pike, Kensington, MD 20895 TEL. (301)  
881-9400  
CY - Maryland (MD)  
ZP - 20895  
AB - INTRODUCTION: NHSQIC is operated under contract by the  
Capital Systems Group, Inc. for the Health Standards and  
Quality Bureau, Health Care Financing Administration, U.S.  
Department of Health and Human Services. INTERESTS:  
Standards for all Medicare and Medicaid providers and  
suppliers, including hospitals, long-term care facilities,  
free-standing facilities, laboratories, and other health  
facilities; standards of care; qualifications of health  
professionals; the survey and certification process;  
utilization review; quality assessment and quality  
assurance; Professional Standards Review Organizations  
(PSRO); PSRO law and its implementation; economics of  
health care as related to cost and quality control.  
HOLDINGS: Automated bibliographic data base of over 9,000  
items, including monographs, journal articles, technical  
reports, and official documents issued by the Health  
Standards and Quality Bureau. PUBLICATIONS: Health Quality  
and Standards Report (monthly); annual bibliographies  
(listings of all items accessioned into the NHSQIC data  
base); topical bibliographies (periodically updated  
compilations); special annotated bibliographies  
(larger-scale compilations); Information Resources on  
Aging and Long Term Care ; PSRO Transmittal List (updated  
periodically); Acronym Authority List ; Quality of Health  
Care Thesaurus . A list of publications and their prices  
is available. INFO SERVICES: Answers inquiries; provides  
advisory, consulting, reference, literature-searching,  
▶ abstracting, indexing, current-awareness, and reproduction  
services; provides information on R&D in progress;  
evaluates and analyzes data; distributes publications and  
data compilations; makes referrals to other sources of  
information. Services are available for a fee to anyone.  
KW - Medicare ; Medicaid ; Hospitals ; Medical facilities ;  
Medical care ; Laboratories ; Extended care facilities ;  
Standards ; Quality assurance ; Professional standards ;  
Medical care costs ; Quality control ; Machine readable  
data bases ; Bibliographic data bases ; NHSQIC  
NT - Non-profit Institution ; Information Center  
EM - 8208

SS 4 /C?  
USER:

Search illustrates why Text Word (TW) searching  
is the preferred method to search DIRLINE.

SAMPLE SEARCH USING COUNTRY FIELD

USER:

▶ (cy) o#

PROG:

MM (0#) (3)

1 OH (CY)

2 OK (CY)

3 OR (CY)

SPECIFY NUMBERS, ALL, OR, NONE-

The USPS abbreviation for Oregon is OR which is also a boolean operator. Therefore, disguise the boolean operator by the single-character substitution symbol.

USER:

3

PROG:

SS (1) PSTG (140)

SS 2 /C?

USER:

▶ (cy) oregon

PROG:

SS (2) PSTG (140)

Preferred way to search for resources located in the state of Oregon.

SS 3 /C?

USER:

prt 1 si, na, ad, cy

PROG:

1

SI - HR/1910

NA - National Psoriasis Foundation

AD - 6415 Southwest Canyon Court, Suite 200, Portland, OR 97221

CY - Oregon (OR)

SS 3 /C?

USER:

▶ (cy) sweden

PROG:

SS (3) PSTG (16)

Non-US resources are directly searchable by country name.

SS 4 /C?

USER:

prt 1 skip 2 si, na, ad, cy

PROG:

3

SI - NRC/69/017713

NA - Royal Caroline Institute

NA - Karolinska Institute Library and Information Center (KIBIC)

AD - Box 60201, S-104 01 Stockholm, SWEDEN TEL. 46-834 05 60 (Library); 46-823 22 70 (Medical Information Center); 46-816 01 70 (TOX-INFO); (TELEX) 17179 KIBIC S

AD - Location: Solnavagen 1

CY - SWEDEN

SS 4 /C?

USER:

SAMPLE SEARCH USING ZIP CODE FIELD

USER:

▶ (zp) 20783  
PROG:  
SS (1) PSTG (2)

Resources located in the US are directly searchable by zip code.

SS 2 /C?

USER:

prt 1 si, na, ad, zp, kw compressed  
PROG:

1

SI - NRC/69/019662  
NA - Institute of Human Performance  
AD - 7676 New Hampshire Ave., Langley Park, MD 20783 TEL. (301) 445-0900  
ZP - 20783  
KW - Physical fitness ; Industrial hygiene ; Human factors engineering ; Human performance ; Aging (biology) ; Body composition ; Chemical analysis ; Medical screening ; Medical research

SS 2 /C?

USER:

▶ (zp) xx and all medic: (tw)  
PROG:  
SS (2) PSTG (80)

Approximately 70% of non-US resources do not contain zip codes, and the (ZP) field is "packed" with XX's.

SS 3 /C?

USER:

prt 1 si, na, ad, zp, kw compressed  
PROG:

1

SI - NRC/69/019105  
NA - Netherlands Central Organization for Applied Scientific Research, TNO ; Division for Health Research ; Medical Biological Laboratory  
AD - Division for Health Research, Netherlands Central Organization for Applied Scientific Research, TNO, P.O. Box 45, 2280 AA Rijswijk ZH, NETHERLANDS TEL. (015) 138777 ; Location: Lange Kleiweg 139  
ZP - XX  
KW - Toxicology ; Neurotoxins ; Mutagenesis ; Molecular biology ; Respiratory diseases ; Immunology ; Shock (pathology) ; Tissue culture ; Metabolism ; Recombinant DNA ; Deoxyribonucleic acids ; Industrial toxicology ; Laboratories ; Research facilities ; Behavior

SS 3 /C?

USER:





## COST-EFFECTIVE SEARCHING IN DIRLINE

- 0 PLAN YOUR SEARCH STRATEGY BEFORE YOU ACCESS THE DATABASE.
- 0 NEIGHBOR THE TERM(S) IN YOUR FORMULATED SEARCH STRATEGY. THIS SYSTEM CAPABILITY IS THE MOST COST-EFFECTIVE AND MOST HELPFUL SEARCH AID THAT YOU CAN USE IN A FREE-TEXT DATABASE.
- 0 LIMIT YOUR SEARCH RETRIEVAL (NUMBER OF POSTINGS) BY COMBINING (ANDING) SEARCH TERMS AND EXCLUDING (AND NOTING) SEARCH TERMS.
- 0 FAMILIARIZE YOURSELF WITH THE FUNCTIONAL CHARACTERISTICS OF THE DATA ELEMENTS IN DIRLINE. THESE ARE DESCRIBED IN THE DIRLINE MANUAL.
- 0 THE COUNTRY/STATE (CY) AND ZIP CODE (ZP)\* DATA ELEMENTS CAN BE PARTICULARLY HELPFUL IN OBTAINING "PRECISION" SEARCH RESULTS.
- 0 AVOID THE USE OF THE STRINGSEARCHING CAPABILITY. THIS CAPABILITY MAKES A HEAVY DEMAND ON SYSTEM RESOURCES. ALSO, THE USE OF THIS COMMAND MAY RESULT IN A "SUPER" PRECISION SEARCH WHICH MAY NEITHER BE PRACTICAL NOR DESIRABLE IN A REFERRAL-TYPE DATABASE.

\*MANY OF THE NON-US INFORMATION RESOURCES HAVE NO ZIP CODE IN THE RECORD. THEREFORE, THIS FIELD WILL SHOW XX IN THOSE RECORDS THAT HAVE NO ZIP CODE. IF YOU WANT TO EXCLUDE NON-US RESOURCES FROM YOUR SEARCH THEN AND NOT XX (ZP) IN YOUR SEARCH STRATEGY.

AUGMENTATION OF BIBLIOGRAPHIC AND FACTUAL DB SEARCHES

► FILE CHEMLINE

PROG:

YOU ARE NOW CONNECTED TO THE CHEMLINE FILE.

SS 1 /C?

USER:

(sy) agent orange

PROG:

SS (1) PSTG (1)

SS 2 /C?

USER:

prt full

PROG:

1

RN - 39277-47-9

MF - C12-H14-C12-03.C12-H13-C13-03

N1 - Acetic acid, (2,4-dichlorophenoxy)-, butyl ester, mixt. with butyl  
(2,4,5-trichlorophenoxy)acetate (9CI) [MF1]

SY - Agent Orange [CAS:MESH:RTECS]

SY - Orange [herbicide] [CAS]

LO - TOXLINE

LO - TOXBACK74

LO - TOXBACK65

LO - RTECS

LO - MEDLINE

SS 2 /C?

USER:

SEARCHED CHEMLINE FOR THE RN for Agent Orange

file topline

PROG:

▶ YOU ARE NOW CONNECTED TO THE TOXLINE FILE.

SS 1 /C?

USER:

39277-47-9

PROG:

SS (1) PSTG (74)

SS 2 /C?

USER:

1 or agent and orange

PROG:

SS (2) PSTG (122)

SS 3 /C?

USER:

prt 1 d1

PROG:

1

SI - HEEP/84/13607

AU - FRIEDMAN JM

▶ TI - DOES AGENT ORANGE CAUSE BIRTH DEFECTS

SO - TERATOLOGY; 29 (2). 1984. 193-222.

LA - ENG

CD - TJADA

AB - HEEP COPYRIGHT: BIOL ABS. RRM MAMMAL MOUSE HUMAN TERATOGEN  
HERBICIDE

RN - 39277-47-9

EM - 8411

SS 3 /C?

USER:

SEARCHED TOXLINE USING RN for Agent Orange,  
and for the Text Word(s) agent AND orange.

FILE DIRLINE

PROG:

▶ YOU ARE NOW CONNECTED TO THE DIRLINE FILE.

SS 1 /C?

USER:

nbr agent orange

PROG:

POSTINGS	TERM
1	AGENDAS (TW)
31	AGENT (TW)
3	AGENT ORANGE (KW)
1	AGENT ORANGE VICTIMS INTERNATIONAL, INC (NA)
125	AGENTS (TW)

UP N OR DOWN N?

USER:

find agent orange victims international, inc

PROG:

SS (1) PSTG (1)

SS 2 /C?

USER:

prt include ad

PROG:

1

SI - NRC/69/018738

NA - Agent Orange Victims International, Inc. (AOVI)

AB - INTRODUCTION: AOVI provides Vietnam veterans and their families suffering from ill health problems resulting from military service during the Vietnam War and/or manifesting symptoms and effects of Agent Orange (dioxin) exposure with advocacy, legal, medical, counseling, support, crisis intervention, and outreach programs. INTERESTS: Agent Orange and health effects of exposure to it; Veterans Administration medical and compensation procedures; post-Vietnam syndrome. HOLDINGS: Extensive library on Agent Orange and Vietnam, including maps, data, recordings, films, novels, videotapes, slides, transcripts, still photographs, medical and scientific studies, surveys, litigation, legislation, laws, and manuscripts. PUBLICATIONS: Newsletter, journal articles, bibliographies, data compilations, reprints. INFO SERVICES: Answers inquiries; provides advisory, counseling, reference, literature-searching, current-awareness, and reproduction services; provides information on research in progress; evaluates and analyzes data; conducts seminars and workshops; distributes publications; makes referrals to other sources of information. Services are provided free to Vietnam veterans and their families.

AD - 27 Washington Square North, New York, NY 10011 TEL. (212) 460-5770

SS 2 /C?

USER:

SEARCHED DIRLINE for an ORGANIZATION that aids Agent Orange victims. Normally, chemical names are not in DIRLINE.

DIRECTORY OF INFORMATION RESOURCES ONLINE

DIRLINE

\*\*\* NRC \*\*\*  
 Name:  
 Addr: TEL  
 Desc:  
 (AB, GN, KW, NT)\*  
 MULTIDISCIPLINARY

\*\*\* NHIC \*\*\*  
 Name:  
 Addr:  
 IC : Telephone No.  
 Desc:  
 (AB, HO, GN, KW) \*  
 HEALTH-RELATED ONLY

\*\*\* FUTURE \*\*\*  
 Referral-type  
 COMPONENTS

AB ABSTRACT  
 AD ADDRESS  
 CY COUNTRY  
 EM ENTRY MONTH  
 FX ---  
 GN GENERAL NOTES  
 HO (Future)  
 IC (Future)  
 J ---  
 KW KEYWORDS  
 LR (Future)  
 NA NAME  
 NT NAME TYPE  
 PO ---  
 SA ---  
 SI SECONDARY SOURCE ID  
 ST STATUS  
 ZP ZIP CODE

ABSTRACT  
 ADDRESS  
 COUNTRY  
 ENTRY MONTH  
 FORWARD CROSS REFERENCE  
 GENERAL NOTES  
 HOLDINGS  
 INSTITUTIONAL CONTACT  
 IDENTIFICATION NUMBER  
 KEYWORDS  
 LAST REVISION DATE  
 NAME  
 ---  
 PERFORMING ORGANIZATION  
 SUPPORTING AGENCY  
 SECONDARY SOURCE ID  
 ---  
 ZIP CODE

IN A NUTSHELL:

1. NBR term(s), synonyms, etc.
2. USER: term 1 AND term 2 (etc.)
3. Truncate judiciously [N&K] and use the ALL operator when truncating
4. Narrow your search retrieval by locale (CY), if desired

\*Fields used to describe information resource in DIRLINE database.



# National Referral Center



- **INFORMATION FUNCTIONS AND SERVICES.** An organization should describe the kinds of services it is willing to provide. These may include consultation, advisory, identification, expert-witness, and testing services; literature searching; preparation of bibliographies; or other types of assistance.
- **SERVICE CONDITIONS AND RESTRICTIONS.** An organization should indicate any restrictions that apply to its services, such as fees or the need for security clearance or professional qualifications.
- **AUTOMATION.** Because a growing number of inquiries are about computer-based collections and services, an organization should describe any data bases that it maintains or to which it has access.

## VISIT, CALL, OR WRITE

Visitors interested in the center's services are welcome, but are encouraged to call for an appointment.

Telephone inquiries should be directed to:

- (202) 287-5670 for referral service or to schedule visits,
- (202) 287-5680 for registration of information resources, or
- (202) 287-5683 for information about the center's publications or data base developments.

Correspondence should be addressed to:  
Library of Congress  
National Referral Center  
Washington, D.C. 20540



**THE NATIONAL REFERRAL CENTER** in the Library of Congress is a free referral service which directs those who have questions concerning any subject to organizations that can provide the answer.

The referral service uses a subject-indexed, computerized file of 13,000 organizations, called information resources by the center. A description of each resource includes its special fields of interest and the types of information service it is willing to provide. The National Referral Center file, which is maintained by professional analysts, is used primarily by the center's referral specialists. It also is accessible to readers at the Library of Congress through computer terminals located in various reading rooms and nationwide to subscribers to the DOE/RECON computer network operated by the Department of Energy and the MEDLARS network operated by the National Library of Medicine (file name DIRLINE).

The referral center is not equipped to furnish answers to specific questions or to provide bibliographic assistance. Instead, its purpose is to direct those who have questions to resources that have the information and are willing to share it with others. Some of these resources exist within the Library itself.

## SCOPE

When it was established in 1962, the center made referrals in the areas of science and technology. Today it handles referrals in virtually all subject areas, including the arts and humanities. The center maintains systematic coverage only for resources in the United States, although its file also includes some international and foreign resources.

The concept of information resource is broadly defined to include any organization, institution, group, or individual with specialized information in a particular field and a willingness to share it with others. This includes not only traditional sources of information such as technical libraries, information and documentation centers, and abstracting and indexing services, but also such sources as professional societies, university research bureaus and institutes, Federal and state agencies, industrial laboratories, museums, testing stations, hobby groups, and grassroots citizens organizations. The criterion for registering an organization is not its size but its ability and willingness to provide information to others on a reasonable basis.

## SERVICES

Requests for referral service may be made by letter, telephone, or in person. Telephone requests are encouraged because they allow discussion and refinement of complex questions. The center will accept requests on any topic. When a subject is not covered in the data file, the center will attempt to locate new information resources from its extensive contacts.

In response to a request, the center will provide the names, addresses, telephone numbers, and brief descriptions of appropriate information resources. The reply usually is made in the form of a computer printout. In each case, the response is individually tailored to the specific request.

In order for the center to provide the most effective service, all requests should include the following information:

- **INFORMATION REQUIRED.** The request should describe as clearly and precisely as possible the specific information that is required. Service is facilitated if each request is limited to a single topic.

- **INFORMATION RESOURCES ALREADY CONTACTED.** The request should indicate the information resources that are known or that have already been contacted.

- **SPECIAL QUALIFICATIONS.** The request should include any pertinent qualifications that may entitle the requester to use resources that are not normally available. These might include participation in a government contract, affiliation with a recognized project, membership in a professional society, and others.

The following is a sample of questions which the center receives:

- Who can tell me about on-board production of methane for vehicle propulsion?
- What organizations are currently doing research on international terrorism?
- Where can I locate information on the flash point of textiles and other consumer products?

## PUBLICATIONS

The National Referral Center occasionally compiles directories of information resources covering a broad area. These are published by the Library of Congress under the general title *A Directory of Information Resources in the United States* with varying subtitles, and are sold through the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

The most recent volume in the series is:

*Geosciences and Oceanography* 1981. 375 p. \$7.50 (GPO Stock No. 030-000-00131-1)

The subtitles of earlier volumes, all now out of date and some out of print, indicate the broad scope of the series: *Federal Government* (Rev. ed. 1974, 416 p.); *Social Sciences* (Rev. ed. 1973, 700 p.); *Biological Sciences* (1972, 577 p.); *Physical Sciences, Engineering* (1971, 803 p.); *General Toxicology* (1969, 293 p.); and *Water* (1966, 248 p.).

Also sold by the Superintendent of Documents is a similar guide prepared by the center:

*Directory of Federally Supported Information Analysis Centers.* Fourth ed. 1979. 87 p. \$4.00 (GPO Stock No. 030-000-00115-0)

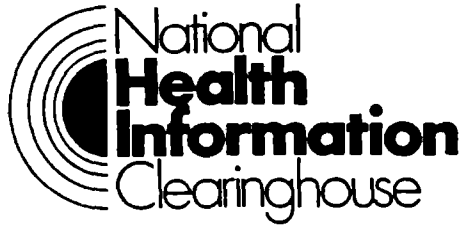
Under the title *Who Knows?*, the center issues informal lists of resources that have information on specific topics, such as hazardous materials, population, or environmental education. The lists are available free of charge from the center as long as the supply lasts. They must be requested individually by topic (a list of titles is available).

## HOW TO REGISTER AN ORGANIZATION

The National Referral Center invites organizations that have information in specialized fields to participate as information resources. They may register by letter or on a prepared form, available on request from the center. All applications should include the following information which is necessary for referrals:

- **SUBJECT COVERAGE AND SPECIALIZATION.** An organization should describe its particular subject area in depth so that specific requests may be matched with appropriate resources.





## PROJECT DESCRIPTION

Health information is available from numerous agencies, associations, foundations, and other groups throughout the United States. Bringing these resources together with people who have health questions is the purpose of the National Health Information Clearinghouse (NHIC).

The NHIC's legislative origin is found in Title XVII of the Public Health Service Act (the National Consumer Health Information and Promotion Act of 1976, PL 94-317, as amended). The Office of Disease Prevention and Health Promotion (ODPHP), within the Department of Health and Human Services, has been responsible for carrying out the mandate of the Act, which includes the establishment of a clearinghouse. Accordingly, the ODPHP created the NHIC in 1979 to help consumers and health professionals locate information.

### Objectives

The Clearinghouse has four specific objectives:

- To identify health information resources
- To channel requests for information to these resources
- To provide one-stop service to the inquirer
- To develop publications providing information on health-related topics of widespread interest

### Activities

The NHIC accomplishes these objectives through the following activities:

#### Database Development

The NHIC database contains descriptions of health-related organizations—Federal and State agencies, voluntary associations, support groups, and information centers. What these groups have in common is the ability and willingness to provide the public or health professionals with health information. The NHIC has developed a thesaurus called *Health Information Terms (HITs)*, which is used to index the subjects and services provided by these organizations.

#### Information Services

The Clearinghouse receives inquiries by mail, by telephone, and in person. When an inquiry is received, the staff searches the database to find the organizations that can best respond. The inquiry is then forwarded to these organizations, which respond directly to the inquirer. At times, the NHIC answers inquiries directly, primarily when the request is for the name and address of an organization, the source of a specific publication, or information for which no organization has been identified.

The Clearinghouse staff cannot conduct in-depth research, perform computerized literature searches, give medical advice, or diagnose diseases.

### **Materials Collection**

The NHIC library supports both the information and referral service and database development. Medical and health reference books, directories, and books on health promotion make up the core of the collection. Files on over 800 health topics and a collection of health periodicals also provide current information to the NHIC staff and users. The library is open to the public.

### **Public Awareness**

Initial promotion efforts were aimed at reaching health educators and other intermediaries serving consumers. Fact sheets and brochures were disseminated, notices and articles appeared in health promotion periodicals, and a series of forums were held to acquaint professionals with the NHIC's services.

Current promotion efforts focus on reaching the public directly through the popular media. In addition, NHIC staff members regularly attend conferences and workshops. An exhibit with accompanying literature is displayed at local meetings and at selected national conferences.

### **Publications**

The Clearinghouse produces resource lists in response to current health concerns. One series of these, called *Healthfinders*, has described resources on topics such as herpes, health fairs, and medications. Other NHIC publications have included bibliographies and directories devoted to Federal health information resources. The Clearinghouse also produces the *DHHS Prevention Activities Calendar* and *DHHS Prevention Abstracts* for the ODPHP. In addition, the "NHIC News" appears as a regular feature in *Focal Points*, the newsletter of the Center for Health Promotion and Education of the Centers for Disease Control.

Further information on the NHIC and its services is available by writing the NHIC, P.O. Box 1133, Washington, D.C. 20013-1133 or by calling (800) 336-4797 (toll-free) or (703) 522-2590 (in Virginia and the Washington metropolitan area).

---

# NOTES

\* U.S. GOVERNMENT PRINTING OFFICE: 1985-461-320:4907



# THE NLM TECHNICAL BULLETIN

## REGULAR ITEMS

- 2 Files
- 3 Technical Notes
- 13 Serials Update

## ARTICLES & FEATURES

- 5 Expanded Weekend Hours For ELHILL Files
- 7 A New And Updated CANCERPROJ
- 9 Sensible Searching:  
Language Limiting In TOXLINE
- 10 1985 Regeneration Of CATLINE And AVLINE
- 11 1985 Regeneration Of  
The NAME AUTHORITY FILE (NAF)

## ENCLOSURE

Updated CANCERPROJ Chapter For  
The ONLINE SERVICES REFERENCE MANUAL



Contents Not Copyrighted • Freely Reproducible

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	13,205	THROUGH 1985	14 MAR 85	
BIOETHICS	17,802	JAN 73-FEB 85	25 FEB 85	8502(EM)
CANCERLIT	448,489	JAN 63-MAR 85	04 MAR 85	8503(EM)
CANCERPROJ	21,117	1978-1981	12 NOV 81	8110(EM)
CATLINE	588,162	THROUGH 1985	14 MAR 85	
CHEMLINE	625,693		25 FEB 85	8502(EM)
CLINPROT	4,771		21 FEB 85	8502(EM)
DIRLINE	14,049		16 AUG 84	
EXPRESS	7,078	SEP 84-MAR 85	11 MAR 85	8503(EM)
HEALTH	305,086	JAN 75-APR 85	11 MAR 85	8504(EM)
HISTLINE	65,752		11 MAR 85	8503(EM)
MEDLINE	537,663	JAN 83-APR 85	04 MAR 85	8504(EM)
MED80	804,816	JAN 80-DEC 82	18 FEB 85	
MED77	775,078	JAN 77-DEC 79	04 FEB 85	
MED75	642,710	JAN 75-DEC 76	10 DEC 84	
MED71	883,906	JAN 71-DEC 74	10 DEC 84	
MED66	954,650	JAN 66-DEC 70	10 DEC 84	
MESH VOC	53,052	1985	11 MAR 85	
NAME AUTH	172,427		04 MAR 85	
POPLINE	130,904	1970-MAR 85	11 MAR 85	8503(EM)
RTECS	72,573	THROUGH JAN 85	11 MAR 85	
SDILINE	24,193	APR 85	04 MAR 85	8504(EM)
SERLINE	59,156	1985	28 FEB 85	
TDB	4,114		28 JAN 85	
TOXLINE	534,484		18 FEB 85	8502(EM)
CBAC	309,482	1981-VOL 102(1,2)		
TOXBIB	115,424	1981-MAR 85		
IPA (ASHP)	25,589	1981-VOL 22 (1,2)		
HEEP	44,135	1981-VOL 14(3)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	5,937	1981-APR 1984		
TD3	14,990	1981-GRA&I 84 (24,25)		
HMTC	563			
ILO	3,411	FEB 1985		
RPROJ/CRISP	4,518	FISCAL YEAR 1983		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXBIB	106,643	1976-1980		
IPA(ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA(ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAPAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		

Editor: Carolyn B. Tilley  
 Assistant Editor: T. Scott Plutchak  
 Technical Notes Editor: Patricia E. Healy

(301) 496-6193

Direct Inquiries to:  
 MEDLARS Management Section  
 National Library of Medicine  
 Bldg. 38A, Rm. 4N421  
 Bethesda, Maryland 20209

TECHNICAL NOTES

Whenever applicable, the heading of each Technical Note includes a reference to the section of the 1982 Online Services Reference Manual that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

CANCERPROJ UPDATE - At the request of the National Cancer Institute (NCI), online access to the new updated version of CANCERPROJ (available on or about April 1, 1985) will be provided on a non-billed basis to domestic and foreign users through May 31, 1985. OFFSEARCHes and offprint pages will, however, be charged to users during this period. Domestic users are charged \$1.00 for each OFFSEARCH and \$0.18 for each offprint page.

PDQ DEMONSTRATION CODES - Searchers are reminded that demonstration codes for the user-friendly version of PDQ must be requested from the National Cancer Institute. Demonstration codes provided by the MEDLARS Management Section for use in demonstrating MEDLINE and other ELHILL databases do not have access to PDQ. To request a PDQ demonstration code, contact Jana Johnston, National Cancer Institute, R.A. Bloch International Cancer Information Center, Bethesda, MD 20205, (301) 496-7403.

USER-FRIENDLY VERSION OF TDB - On or about July 1, 1985, the TOXICOLOGY DATA BANK (TDB) will be removed from ELHILL MEDLARS for all domestic users. Instead, domestic users will be provided with access codes and instructions for an expanded, user-friendly version of TDB, which will be made available in a different search system on another computer under the auspices of the National Library of Medicine. Further information on this TDB transition will be provided in upcoming issues of the NLM Technical Bulletin.

TECHNICAL BULLETIN SUBSCRIPTIONS - We have received some user inquiries concerning subscriptions to and/or additional copies of the NLM Technical Bulletin. The Technical Bulletin is considered an administrative document and not an official publication. This means that the MEDLARS Management Section will provide a single "subscription" to accompany each online access code but cannot honor requests for subscriptions from individuals or institutions without access codes. Users who are currently receiving the Technical Bulletin and would like additional copies are reminded that it is not copyrighted and they are free to make as many copies as they wish. MMS will continue to honor requests for occasional single copies when supplies are available.

- NLM ONLINE  
USERS MEETING  
AT MLA - The annual NLM Online Users Meeting will be held at the Medical Library Association's Annual Meeting on Monday, May 27, 1985, from 1:00 pm to 2:00 pm in the Mercury Ballroom of the New York Hilton Hotel. All NLM users are encouraged to attend.
- LIST OF CORE  
JOURNALS FOR  
CANCEREXPRESS  
FILE - The "List of Core Journals For CANCEREXPRESS File" may be requested by writing Jim Carter, International Cancer Information Center, P.A. Bloch Building, Bethesda, MD 20205, or the MEDLARS Management Section. Please include a self-addressed label with the request. No return postage is necessary.
- CANCERPROJ  
MANUAL  
CHAPTER - A revised Online Services Reference Manual chapter for the updated CANCERPROJ database is enclosed with this issue.

PLEASE ACCESS FILE INFORM AND TYPE NEWS TO SEE THE MOST  
RECENT NEWS ITEM ONLINE!

NOTICE

Some copies of the *Medical Subject Headings -- Supplementary Chemical Records, 1985* may have been sent from NTIS missing pages 571-602 or 763-794. Please examine your copy and call NTIS at (703) 487-4660 if you discover these or any other pages missing. Copies shipped after March 14 have been checked by NTIS.



EXPANDED WEEKEND HOURS FOR ELHILL FILES

Lois Ann Colaianni  
Associate Director For Library Operations, NLM

As announced in the February issue of the NLM Technical Bulletin, NLM is shifting the hours of availability for the ELHILL databases (MEDLINE, CATLINE, TOXLINE, etc.). Effective April 1, these databases will be available from 5:00 am to 11:00 pm Eastern Time (ET) Monday through Friday. This shift does not, at present, affect the PDQ user-friendly system, which will remain available from 5:00 am to 9:00 pm ET Monday through Friday, and 8:30 am to 5:00 pm ET on Saturday.

Extended weekend schedule for ELHILL files

In an effort to provide more service to users, NLM will offer extended hours of ELHILL database availability on weekends, effective April 6. On a non-guaranteed basis, the system will be up from 8:30 am ET Saturday through 11:00 pm ET Sunday.

Scheduled downtimes

1. Normally, NLM will take the system down at 11:00 pm ET Saturday in order to gather billing statistics, and will bring it back up 15 to 30 minutes later. Broadcasts (brief messages received upon logging in) will be loaded at least 6 hours in advance of any planned shutdown period on Saturday evenings. NLM staff will also prepare online NEWS notes (use FILE INFORM to see the online NEWS) containing information about weekend hours. These will be entered into the system by Thursday of each week.
2. There are also occasional Sundays when NLM must give the system over to IBM for preventive maintenance and repair of hardware or systems problems. When these times are known in advance, appropriate broadcasts and NEWS items will be entered. The system will generally be available upon conclusion of the maintenance activities.

Unscheduled downtimes

Since the computer room will not be staffed after 11:30 pm ET Saturday, if the system fails after that time it is unlikely that it will be restarted that weekend. Users should be aware that if ELHILL goes down after 11:00 pm ET Saturday, it will probably stay down until 5:00 am ET Monday morning.

User support

Neither the computer room nor the MEDLARS Management Section Service Desk will be staffed for user support during these extended evening and weekend hours. NLM will monitor the volume of weekend activity to determine if a change in existing hours of user support is needed.

Offline prints/OFFSEARCHes

Post-processing of weekend offline prints and OFFSEARCH requests will take place on Monday evening, with mailings on Tuesday morning. This is no

different from the current schedule for offprints entered on Saturday. It does mean, however, that if a request for an offline print or OFFSEARCH is entered and needs to be cancelled, the user must call the MMS Service Desk Monday between 8:30 am and 5:00 pm ET to do so. The only exception to this will be when Federal Government holiday observances fall on a Monday. The 1985 Monday observances are May 27 (Memorial Day observed), September 4 (Labor Day), October 14 (Columbus Day observed), and November 11 (Veterans Day). In these instances, users will be unable to request cancellation of offprints requested on Saturday or Sunday.

STORESEARCHes

Any stored searches entered on Saturday or Sunday will not be finally stored until after 11:00 pm ET Monday. This means that a searcher cannot check on Monday using the DISPLAY (searchname) command to see if the stored search was actually entered. The searcher should wait until Tuesday to DISPLAY and see that the search was actually stored. If a search is stored twice with the same name, it becomes unusable and cannot be removed. No charges for the unusable stored search will result because NLM charges only for the cost of monthly execution and page charges, not for storage costs for Automatic SDI stored searches.

Please call MMS at (301) 496-6193 if you have any questions about the extended availability of ELHILL files.

HIGHLIGHTS

April 1: Monday-Friday hours shifted to 5:00 am - 11:00 pm ET.

April 6: Weekend hours extended from 8:30 am ET Saturday to 11:00 pm ET Sunday.

Extended hours apply only to ELHILL files; PDQ/UFS hours remain 5:00 am to 9:00 pm ET Monday-Friday and 8:30 am to 5:00 pm ET Saturday.

Prime time remains 10:00 am to 5:00 pm ET Monday-Friday. Non-prime time includes all other hours of computer operation.

Weekend hours after Saturday at 5:00 pm ET are not guaranteed; telephone user support will not be available evenings or Saturday and Sunday.

Weekend offline prints and OFFSEARCHes will not be processed until Monday evening. They may be cancelled on most Mondays by calling the MMS Service Desk.

Weekend STORESEARCHes will not be entered into the system until Monday evening. Searchers should wait until Tuesday to DISPLAY them.

\*\*\*\*\*

## A NEW AND UPDATED CANCERPROJ

James W. Carter  
National Cancer Institute

In April of this year, CANCERPROJ will be updated for the first time in several years, with all new data in an enhanced record format indexed with MeSH and supplementary Keywords. Once again, CANCERPROJ will be a useful database for obtaining the latest available information on cancer research before this information is available in the printed literature. To encourage users to try out the new database, online use of CANCERPROJ will be provided on a non-billed basis (with the exception of offline prints and OFFSEARCHes) for all users during April and May 1985.

The database will include descriptions of active clinical and laboratory cancer research projects that are registered with the International Cancer Research Data Bank (ICRDB). These research projects include federally and privately supported grants and contracts from the United States and many foreign countries.

In addition to the objectives, experimental design and preliminary results of each project, the addresses and telephone numbers for each principal investigator will be given.

The database initially will contain about 2,900 new records, but should grow rapidly as it is updated every three months. Once a research project enters the file, data concerning its objectives, experimental design, etc., will be updated annually for currency. Following the termination of a research project, the description will remain in the system for one year to allow time for publication and/or public dissemination of the research results. The published findings would then be eligible for inclusion in the CANCERLIT database, which covers the world's cancer literature.

The principal enhancements in the new CANCERPROJ database are the use of MeSH headings, Chemical Abstracts Service (CAS) Registry Numbers and Enzyme Commission (EC) numbers, plus the supplementary Keywords. Remember that single-term MeSH headings must be searched with the qualifier (MH) in order to avoid a multi-meaning message. All other MeSH searching can be formatted as it is for MEDLINE. CAS Registry Numbers and EC numbers use the qualifier (RN).

The use of Keywords facilitates search strategies seeking information on experimental studies, specific exposure times, etiologic factors or new concepts not specifically covered by MeSH, such as cell lines and new laboratory techniques.

An updated manual on CANCERPROJ with a list of these keywords is included in the mailing of this Technical Bulletin.

If you have any questions or comments about the database, please feel free to contact ICRDB by writing to:

CANCEPROJ Coordinator  
R.A. Bloch International Cancer Information Center  
National Cancer Institute  
Bethesda, Maryland 20205

or by calling (301) 496-7403.

Of course, you may also direct your questions and comments to the MEDLARS Management Section at NLM.

\*\*\*\*\*

SENSIBLE SEARCHING:  
LANGUAGE LIMITING IN TOXLINESusan Hawk  
Specialized Information Services, NLM

During the 1984 regeneration of TOXLINE, a feature was added which makes searching for English-language article citations easier and more cost effective. In TOXLINE and its backfiles, you may now limit retrieval to English by eliminating the foreign-language citations. (Since 70% of the citations in TOXLINE are to English-language references, it is more efficient to eliminate the non-English references than to select the English ones.) For example, to limit the retrieval in Search Statement 3 to English-language publications, enter the strategy "3 AND NOT FOR (LA)".

Background

When TOXLINE was first created, computer storage space was at a premium, so the language field was only included in the record if the citation referenced a non-English publication. These constraints have now eased, and during the August 1984 regeneration, the language field was added wherever possible. The language data from each of the subfile sources of TOXLINE can vary. For example, the following data in the language fields could be found in the database:

- LA - rus
- LA - polish
- LA - SPA/ENG
- LA - english

In order to emulate MEDLINE as much as possible, the following approach was taken. An index pointer of "FOR", indicating "foreign", was made to each record that did not contain the character string "eng" in the language field, regardless of what other characters were present in that field. No pointer was assigned to records without language fields. Fortunately, fewer than 5% of TOXLINE records and 17% of TOXBACK76 records have no language field. As new sources for TOXLINE are introduced, care will be taken to standardize the language field.

\*\*\*\*\*

## 1985 REGENERATION OF CATLINE AND AVLINE

Carolyn N. Davis  
Cataloging Section, NLM

Each year the CATLINE and AVLINE files are modified to accommodate new elements, data changes and search capabilities. At the same time, these files are maintained to reflect the most current MeSH headings. The 1985 regeneration of CATLINE and AVLINE, completed this month, updated the MeSH Heading (MH) field to reflect the 1985 MeSH vocabulary and implemented the changes described below. An asterisk (\*) denotes that the change or capability applies to AVLINE as well as CATLINE.

## NEW ELEMENTS

All new elements apply to cataloging notes for serials and monographic serials identified by Item Type (IT) "S" or "Z", respectively. The data for these new note types was originally stored in the General Note (GN) field.

\*1. Issuing Body Note (IB)

This note field contains information on the organization or publisher that issued the serial.

\*2. Language Note (LNO)

Notes about the language(s) of the text, summaries, etc., are stored here.

\*3. Numeric/Chronologic Designation Note (NCD)

Information regarding when or with what volume or issue a serial began is stored here.

\*4. Numbering Peculiarities Note (NN)

This note field contains information on any irregular publishing patterns or changes in numbering designation of a serial.

These new data elements have been added to the appropriate PRINT commands including PRT CC.

## CHANGES TO EXISTING ELEMENTS

In addition to moving appropriate data for serials from the General Note (GN) fields to the specific note types mentioned above, the following data changes occurred.

CATLINE

1. General Note (GN)

The note "Includes index" has been moved from the Bibliography Note (BI) field to the General Note (GN) field.

2. Language (LA) and Language of Summaries (LS)

The following language codes have been replaced by current USMARC language codes in all records.

Mlt	changed to Mu1	(for Multilingual)
Ser	changed to Scr	(for Serbo-croatian (Roman))
Sec	changed to Scc	(for Serbo-croatian (Cyrillic))

3. Language, Primary (LP)

The language code in the first occurrence of the Language (LA) field has been replicated in the Language, Primary (LP) field to provide retrieval capability on the primary language of an item.

4. MeSH Heading (MH)

All occurrences of the form subheading "programmed texts" have been replaced by "programmed instruction".

5. International Standard Serial Number (IS)

Key title information on serials was moved from the General Notes (GN) field and reformatted into the International Standard Serial Number (IS) field to appear in conjunction with the ISSN assigned to the key title.

\*6. Limited Use Note (LUN)

The abbreviation for this field has been changed from LN to LUN.

AVLINE

Procurement Source (PC)

The name of "Trainex Corporation" in the Procurement Source (PC) field has been changed to its new name, "Medcom, inc. Trainex Division". "Communications in Learning" has been changed to "Mark Maris, Inc." These name changes were also made wherever they appeared in the Price (PR) field.

\*\*\*\*\*

1985 REGENERATION OF THE NAME AUTHORITY FILE (NAF)

Carolyn N. Davis  
Cataloging Section, NLM

For the 1985 regeneration of the Name Authority File (NAF), one new element was added, and new values were added to some existing elements.

NEW ELEMENT

Sources Not Found (SNF)

This field has been added to document the sources consulted in the formulation of the heading in which no information on the heading was found. Information on "sources not found" was previously input by NLM catalogers into the processing Note (NO) field. The new field has been added to make NLM's NAF authority format more compatible with the Library of Congress' MARC-based authority records.

NEW VALUES

1. Form of Name (FN)

An additional value "7" has been added to code geographic names that are "place only". Geographic names were previously coded "5" as "place or place and name" which also included any headings entered under a place name jurisdiction. The new code for place names will allow the distinction between purely geographic headings and headings beginning with geographic names.

2. Series Treatment Code (SM)

New values have been added to the list of treatment codes to describe series treatment decisions in conformance with the Library of Congress' series authorities.

<u>Code</u>	<u>Meaning</u>
C	Traced, Classed Together, Analyzed as a Monographic Set
M	Traced, Classed Together with Main Series, Analyzed
P	Not Traced, Used as Quoted Note

3. Encoding Level (EL)

The value "M" for "Memorandum Type Heading - Information Only" has been added to identify authority records that have been created for information purposes and to indicate that the heading does not exist in any bibliographic records.

\*\*\*\*\*



SERIALS UPDATE

INDEXED TITLES UPDATE, MARCH 1985

The following titles cited in MEDLINE, HEALTH, and POPLINE have recently been selected for indexing, deselected, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last UPDATE. More detailed information about each title may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, FEBRUARY 1985

- |  |  |
|--|--|
| <p>IM AMERICAN JOURNAL OF EMERGENCY MEDICINE<br/>AM J EMERG MED<br/>1N1, JUL 1983--<br/>CENTRUM PHILADELPHIA<br/>PHILADELPHIA UNITED STATES<br/>INDEXING BEGAN WITH V1N1, 1983.<br/>W1 AM451C 0735-6757<br/>A24175000 JTC: AA2<br/>CENTRUM PHILADELPHIA, UNIVERSITY CITY<br/>SCIENCE CENTER, 3508 MARKET STREET SUITE<br/>230, PHILADELPHIA PA 19104 (215-386-0774)</p>  | <p>IM ANNALES D UROLOGIE<br/>ANN UROL (PARIS)<br/>3, 1969--<br/>EXPANSION SCIENTIFIQUE FRANCAISE<br/>PARIS FRANCE<br/>VOL 1-2 PUB IN ANNALES DE CHIRURGIE.<br/>INDEXING CEASED WITH V6N4, 1972 AND RESUMED<br/>WITH V18N1, 1984.<br/>W1 AM407 0003-4401<br/>A33930000 JTC: 6AD<br/>EXPANSION SCIENTIFIQUE FRANCAISE, 15 RUE<br/>SAINT-BENOIT, 75278 PARIS FRANCE</p>                       |
| <p>IM AMERICAN JOURNAL OF PERINATOLOGY<br/>AM J PERINATOL<br/>1N1, OCT 1983--<br/>THIEME-STRATTON<br/>NEW YORK UNITED STATES<br/>INDEXING BEGAN WITH V1N1, 1983.<br/>W1 AM498BP 0735-1631<br/>A24640000 JTC: AA3<br/>THIEME-STRATTON, 381 PARK AVE SOUTH, NEW<br/>YORK NY 10016</p>  | <p>IM ASIAN PACIFIC JOURNAL OF ALLERGY AND<br/>IMMUNOLOGY<br/>ASIAN PAC J ALLERGY IMMUNOL<br/>1N1, JUN 1983--<br/>BANGKOK MEDICAL PUBLISHERS<br/>BANGKOK THAILAND<br/>INDEXING BEGAN WITH V1N1, 1983.<br/>W1 AS14F 0125-877X<br/>A69557000 JTC: ABB<br/>BANGKOK MEDICAL PUBLISHERS, SUKHUMVIT<br/>ROAD, BANGKOK, THAILAND</p>  |
| <p>IM ANNALES DE CHIRURGIE DE LA MAIN<br/>ANN CHIR MAIN<br/>1N1, 1982--<br/>EXPANSION SCIENTIFIQUE FRANCAISE<br/>PARIS FRANCE<br/>INDEXING BEGAN WITH V3N1, 1984.<br/>W1 AN327LR 0753-9053<br/>A31670000 JTC: 67T<br/>SOCIETE D EDITION DE L ASSOCIATION DE<br/>ENSEIGNEMENT, MEDICAL DES HOPITAUX DE<br/>PARIS, 46 BD DE LATOUR-MAUBOURGE, 75340<br/>PARIS CEDEX 7, FRANCE</p>  | <p>IM CAHIERS D ANESTHESIOLOGIE<br/>CAH ANESTHESIOLOG<br/>1, 1953--<br/>CAHIERS D ANESTHESIOLOGIE<br/>PARIS FRANCE<br/>INDEXING CEASED WITH V20N8, 1972 AND RESUMED<br/>WITH V32N1, 1984.<br/>W1 CA134 0007-7625<br/>C00480000 JTC: CBV<br/>CAHIERS D ANESTHESIOLOGIE, 2 RUE<br/>CASIMIR-DELAVIGRE, 75006 PARIS FRANCE</p>   |
| <p>IM ANNALES DE GASTROENTEROLOGIE ET D<br/>HEPATOLOGIE<br/>ANN GASTROENTEROL HEPATOL (PARIS)<br/>1970--<br/>EXPANSION SCIENTIFIQUE FRANCAISE<br/>PARIS FRANCE<br/>CONT OF ACTUALITES HEPATO-GASTRO-ENTEROLOGIQ<br/>UES. PART A. ACTUALITES DE L HOTEL-DIEU,<br/>AND OF ACTUALITES HEPATO-GASTRO-<br/>ENTEROLOGIQUES. PART B. ANNALES DE<br/>GASTROENTEROLOGIE<br/>INDEXING CEASED WITH V9N1, 1973 AND RESUMED<br/>WITH V20N1, 1984.<br/>W1 AN335K 0066-2070<br/>A32010000 JTC: 55A<br/>EXPANSION SCIENTIFIQUE FRANCAISE, 15 RUE<br/>SAINT-BENOIT, 75278 PARIS, FRANCE</p> | <p>IM CHEMIOTERAPIA<br/>CHEMIOTERAPIA<br/>1N1, FEB 1982--<br/>IL SEDICESIMO<br/>FIRENZE ITALY<br/>FORMED BY THE UNION OF: CHEMIOTERAPIA<br/>ANTIMICROBICA, AND: CHEMIOTERAPIA<br/>ONCOLOGICA. SUPPLEMENTS ACCOMPANY SOME<br/>NUMBERS.<br/>INDEXING BEGAN WITH V3N1, 1984.<br/>W1 CH303 0392-906X<br/>C15965000 JTC: CYR<br/>IL SEDUCESUMO, VIA MANNELLI 29/R, 50136<br/>FIRENZE, ITALY</p> |

- IM CLINICAL AND EXPERIMENTAL RHEUMATOLOGY  
 CLIN EXP RHEUMATOL  
 IN1, JAN-MAR, 1983--  
 PACINI EDITORE  
 PISA ITALY  
 INDEXING BEGAN WITH VIN1, 1983.  
 WI CL664F 0392-856X  
 C25570000 JTC: DFA  
 PACINI EDITORE, VIA S. MARIA 31, 56100  
 PISA, ITALY
- IM FIZIOLOGIA CHELOVEKA  
 FIZIOL CHELOVEKA  
 1, FEB, 1975--  
 IZDATELSTVO NAUKA  
 MOSCOW USSR  
 ISSUED BY THE AKADEMIIA NAUK SSSR  
 INDEXING BEGAN WITH VION1, 1984.  
 WI FI82L 0131-1646  
 F06420000 JTC: FAN
- IM CRC CRITICAL REVIEWS IN ONCOLOGY/HEMATOLOGY  
 CRC CRIT REV ONCOL HEMATOL  
 IN1, 1984--  
 CRC PRESS  
 BOCA RATON FL UNITED STATES  
 CALLED ALSO: CRITICAL REVIEWS IN  
 ONCOLOGY/HEMATOLOGY.  
 INDEXING BEGAN WITH VIN1, 1984.  
 WI CR1244 0737-9587  
 C51270000 JTC: COH  
 CRC PRESS, 2000 CORPORATE BLVD. N.W.,  
 BOCA RATON FL 33431
- IM JOURNAL OF HYPERTENSION  
 J HYPERTENS  
 IN1, JUN 1983--  
 GOWER ACADEMIC JOURNALS  
 LONDON ENGLAND  
 VOL. 1 COMPLETE IN 4 NOS.  
 INDEXING BEGAN WITH VIN1, 1983.  
 WI JO674R 0263-6352  
 J23623000 JTC: IEW  
 GOWER MEDICAL PUBLISHING, MIDDLESEX  
 HOUSE, 34-42 CLEVELAND ST, LONDON W1P  
 5FB, ENGLAND
- IDL DEUTSCHE ZEITSCHRIFT FUR MUND-, KIEFER-,  
 UND GESICHTS-CHIRURGIE  
 DTSCH Z MUND KIEFER GESICHTSCHIR  
 IN1, 1977--  
 CARL HANSER VERLAG  
 MUNCHEN GERMANY, WEST  
 INDEXING BEGAN WITH VOL. 8 NO. 1, 1984.  
 ON ORDER 0343-3137  
 SR0052577 JTC: DEU
- IM MAGNETIC RESONANCE IMAGING  
 MAGN RESON IMAGING  
 IN1, 1982--  
 PERGAMON PRESS  
 NEW YORK UNITED STATES  
 INDEXING BEGAN WITH VIN1, 1983.  
 WI MA34H 0730-725X  
 MO1133000 JTC: MAK  
 PERGAMON PRESS, FAIRVIEW PARK, ELMSFORD,  
 NEW YORK NY 10523
- IM DIABETES RESEARCH  
 DIABETES RES  
 IN1, MAY 1984--  
 TEVIOT-KIMPTON PUBLICATIONS  
 EDINBURGH SCOTLAND  
 INDEXING BEGAN WITH VIN1, 1984.  
 IN PROCESS 0265-5985  
 D09270000 JTC: DIA  
 TEVIOT-KIMPTON PUBLICATIONS, 31  
 MONTPELIER PARK, EDINBURGH EH10 4LX,  
 SCOTLAND
- IM NUCLEAR MEDICINE COMMUNICATIONS  
 NUCL MED COMMUN  
 IN1, MAR, 1980--  
 CHAPMAN AND HALL  
 LONDON ENGLAND  
 SPECIAL ISSUES ARE CLASSED SEPARATELY.  
 INDEXING BEGAN WITH VIN1, 1984.  
 WI NU124P 0143-3636  
 N33450000 JTC: OBB  
 CHAPMAN AND HALL, 733 3RD AVE., NEW YORK  
 NY 10017
- IM EMERGENCY MEDICINE CLINICS OF NORTH AMERICA  
 EMERG MED CLIN NORTH AM  
 IN1, APR 1983--  
 SAUNDERS  
 PHILADELPHIA UNITED STATES  
 INDEXING BEGAN WITH VIN1, 1983.  
 WI EM661J 0733-8627  
 E06036000 JTC: EGO
- IDL OCCASIONAL NEWSLETTER / THE LINDSAY CLUB  
 OCCAS NEWSL LINDSAY CLUB  
 IN1, 1975?--  
 BRITISH DENTAL ASSOCIATION  
 LONDON ENGLAND  
 OFFICIAL PUBLICATION OF THE SOCIETY FOR THE  
 HISTORY OF DENTISTRY.  
 INDEXING BEGAN WITH NO. 10 SEP, 1984.  
 ON ORDER  
 SR0052679 JTC: OC4  
 BRITISH DENTAL ASSOCIATION, 64 WIMPOLE  
 STREET, LONDON W1M 8AL ENGLAND
- IM FAMILY PRACTICE  
 FAM PRACT  
 IN1, MAR 1984--  
 OXFORD UNIVERSITY PRESS  
 OXFORD ENGLAND  
 INCLUDES A SECTION WITH TITLE: WONCA NEWS,  
 WHICH IS PUBLISHED FOR THE WORLD  
 ORGANIZATION OF NATIONAL COLLEGES,  
 ACADEMIES AND ACADEMIC ASSOCIATIONS OF  
 GENERAL PRACTITIONERS/FAMILY PHYSICIANS.  
 INDEXING BEGAN WITH VIN1, 1984.  
 WI FA454CDA 0263-2136  
 F01050000 JTC: FAM  
 OXFORD UNIVERSITY PRESS, JOURNAL  
 SUBSCRIPTION DEPARTMENT, WALTON ST.,  
 OXFORD OX2 6DP, ENGLAND
- IM OXFORD REVIEWS OF REPRODUCTIVE BIOLOGY  
 OXF REV REPROD BIOL  
 1, 1979--  
 CLARENDON PRESS  
 OXFORD ENGLAND  
 INDEXING BEGAN WITH V6, 1984.  
 WI OX621T 0260-0854  
 O14030000 JTC: OOB  
 OXFORD UNIVERSITY PRESS, PRESS  
 ROAD, NEASDEN, LONDON, ENGLAND

- IDL PARODONTOLOGIA E STOMATOLOGIA (NUOVA)  
 PARODONTOL STOMATOL (NUOVA)  
 23N1, JAN-APR 1984--  
 CLINICA ODONTOIATRICA DELL UNIVERSITA  
 GENOVA ITALY  
 INDEXING BEGAN WITH V23N1, JAN-APR 1984.  
 ON ORDER  
 SR0053076 JTC: ORB  
 CLINICA ODONTOIATRICA DELL UNIVERSITA,  
 VIALE BENEDETTO XV 10, 16132 GENOVA,  
 ITALY
- IM PHOTO-DERMATOLOGY  
 PHOTODERMATOL  
 1N1, FEB 1984--  
 MUNKSGAARD  
 COPENHAGEN DENMARK  
 SPINE TITLE: PHOTODERMATOLOGY.  
 INDEXING BEGAN WITH V1N1, 1984.  
 W1 PH661H 0108-9684  
 P13350000 JTC: PBA  
 MUNKSGAARD, 35 NORRE SOGADE, DK-1370  
 COPENHAGEN K, DENMARK
- IM PROCEEDINGS OF THE NATIONAL SCIENCE  
 COUNCIL, REPUBLIC OF CHINA. PART B, LIFE  
 SCIENCES  
 PROC NATL SCI COUNC REPUB CHINA B  
 8N1, JAN 1984--  
 NATIONAL SCIENCE COUNCIL  
 TAIPEI TAIWAN  
 CONTINUES: PROCEEDINGS OF THE NATIONAL  
 SCIENCE COUNCIL, REPUBLIC OF CHINA. PART  
 A: BASIC SCIENCES.  
 IN PROCESS  
 SR0053367 JTC: QBH  
 NATIONAL SCIENCE COUNCIL, 2 CANTON ST.,  
 TAIPEI, TAIWAN 107, REPUBLIC OF CHINA
- IM REVUE FRANCAISE DE GYNECOLOGIE ET D  
 OBSTETRIQUE  
 REV FR GYNECOL OBSTET  
 14N8, 1919--  
 EXPANSION SCIENTIFIQUE FRANCAISE  
 PARIS FRANCE  
 CONTINUES REVUE MENSUELLE DE GYNECOLOGIE ET  
 D OBSTETRIQUE  
 INDEXING CEASED WITH V74N1, 1979 AND RESUMED  
 WITH V79N1, 1984.  
 W1 RE845C 0035-290X  
 R42720000 JTC: S0H
- IM VACCINE  
 VACCINE  
 1N1, DEC 1983--  
 BUTTERWORTH  
 GUILDFORD ENGLAND  
 INDEXING BEGAN WITH V1N1, 1983.  
 W1 VA239 0264-410X  
 V00105000 JTC: X60  
 QUADRANT SUBSCRIPTION SERVICES LTD.,  
 OAKFIELD HOUSE, PERRYMOUNT RD., HAYWARDS  
 HEATH, SUSSEX RH16 3DH, ENGLAND
- IM VIRUS RESEARCH  
 VIRUS RES  
 1N1, JAN 1984--  
 ELSEVIER SCIENCE  
 AMSTERDAM NETHERLANDS  
 INDEXING BEGAN WITH V1N1, 1984.  
 W1 VI836D 0168-1702  
 V08043000 JTC: X98

TITLE CHANGES, FEBRUARY 1985

- IDL ADM: REVISTA DE LA ASOCIACION DENTAL  
 MEXICANA  
 ADM REV ASOC DENT MEX  
 1, 1943-36, 1978  
 ASOCIACION DENTAL MEXICANA  
 MEXICO CITY MEXICO  
 TITLE VARIES. CONTINUED BY: REVISTA ADM.  
 W1 A1148 0001-0944  
 A12240000 JTC: 2H0
- IM AMERICAN JOURNAL OF REPRODUCTIVE IMMUNOLOGY  
 AND MICROBIOLOGY  
 AM J REPROD IMMUNOL MICROBIOL  
 7N1, JAN 1985--  
 ALAN R. LISS  
 NEW YORK UNITED STATES  
 OFFICIAL JOURNAL OF: THE AMERICAN SOCIETY  
 FOR THE IMMUNOLOGY OF REPRODUCTION AND THE  
 INTERNATIONAL COORDINATION COMMITTEE FOR  
 IMMUNOLOGY OF REPRODUCTION. CONTINUES:  
 AMERICAN JOURNAL OF REPRODUCTIVE IMMUNOLOGY.  
 W1 AM521D 8755-8920  
 SR0052627 JTC: 3XX
- IM AMERICAN JOURNAL OF REPRODUCTIVE IMMUNOLOGY  
 AM J REPROD IMMUNOL  
 1N1, JAN 1980-6N4, DEC 1984  
 ALAN R. LISS  
 NEW YORK UNITED STATES  
 CEASED WITH: VOL. 6, NO. 4 (DEC. 1984).  
 CONTINUED BY: AMERICAN JOURNAL OF  
 REPRODUCTIVE IMMUNOLOGY AND MICROBIOLOGY.  
 W1 AM521N 0271-7352  
 A24879000 JTC: 3XX
- IM JOURNAL OF CLINICAL AND EXPERIMENTAL  
 NEUROPSYCHOLOGY  
 J CLIN EXP NEUROPSYCHOL  
 7N1, FEB 1985--  
 SWETS AND ZEITLINGER  
 LISSE NETHERLANDS  
 CONTINUES: JOURNAL OF CLINICAL  
 NEUROPSYCHOLOGY.  
 W1 J0586 0168-8634  
 SR0052659 JTC: HRF

IM JOURNAL OF CLINICAL NEUROPSYCHOLOGY  
 J CLIN NEUROPSYCHOL  
 1N1,AUG 1979-6N4,NOV 1984  
 SWETS AND ZEITLINGER  
 LISSE NETHERLANDS  
 CONTINUED BY: JOURNAL OF CLINICAL AND  
 EXPERIMENTAL NEUROPSYCHOLOGY.  
 INDEXING BEGAN WITH V.3,N.1,AUG. 1981.  
 W1 J05893S 0165-0475  
 J16830000 JTC: HTW

IM PHYSIOLOGICAL CHEMISTRY AND PHYSICS AND  
 MEDICAL NMR  
 PHYSIOL CHEM PHYS MED NMR  
 15N1,1983--  
 PACIFIC PRESS  
 PORTLAND OR UNITED STATES  
 CONTINUES: PHYSIOLOGICAL CHEMISTRY AND  
 PHYSICS.  
 W1 PH926K 0748-6642  
 SR0052772 JTC: P7D

IM PHYSIOLOGICAL CHEMISTRY AND PHYSICS  
 PHYSIOL CHEM PHYS  
 1,1969-14N6,1982  
 PACIFIC PUBLISHING COMPANY  
 PORTLAND OR UNITED STATES  
 CONTINUED BY: PHYSIOLOGICAL CHEMISTRY AND  
 PHYSICS AND MEDICAL NMR.  
 W1 PH926J 0031-9325  
 P15000000 JTC: P7C

IDL REVISTA ADM  
 REV ADM  
 37,1979--  
 ASOCIACION DENTAL MEXICANA  
 MEXICO CITY MEXICO  
 CONTINUES: ADM: REVISTA DE LA ASOCIACION  
 DENTAL MEXICANA.  
 IN PROCESS 0001-0944  
 R29385000 JTC: SZS

TITLES NO LONGER INDEXED AS OF FEBRUARY 1985

IM ACAROLOGIA  
 ACAPOLOGIA  
 1,1959--  
 CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE  
 PARIS FRANCE  
 INDEXING CEASED WITH VOL.25 NO.4,1984.  
 W1 AC585 0044-586X  
 A02805000 JTC: 05X

IM EXPOSES ANNUELS DE BIOCHIMIE MEDICALE  
 EXPOS ANNU BIOCHIM MED  
 1,1939-35,1982  
 MASSON ET CIE  
 PARIS FRANCE  
 W1 EX545 0300-9076  
 E19880000 JTC: ER9

HLI AMERICAN JOURNAL OF EEG TECHNOLOGY  
 AM J EEG TECHNOL  
 1,1961--  
 RAVEN PRESS  
 NEW YORK UNITED STATES  
 INDEXING CEASED WITH V24N4 DEC,1984.  
 W1 AM451 0002-9238  
 A24165000 JTC: 3YN

HLI HOSPITAL DEVELOPMENT  
 HOSP DEV  
 1,1973--  
 NORTHWOOD PUBLICATIONS  
 LONDON ENGLAND  
 SUPSEDES HOSPITAL BUILDING AND ENGINEERING  
 INDEXING CEASED WITH V12N9 NOV-DEC,1984.  
 W1 H077T 0300-5720  
 H18100000 JTC: G08

IM ANNALES DE DROIT INTERNATIONAL MEDICAL  
 ANN DPOIT INT MED  
 N1,1957--  
 COMMISSION MEDICO-JURIDIQUE  
 MONTE CARLO MONACO  
 INDEXING CEASED WITH N29,1980-81.  
 W1 AN335  
 A31800000 JTC: YFB

IM JOURNAL FRANCAIS D OTO-RHINO-LARYNGOLOGIE,  
 AUDIOPHONOLOGIE, CHIRURGIE MAXILLO-FACIALE  
 J FR OTORHINOLARYNGOL  
 26,1977--  
 SIMEP EDITIONS  
 VILLEURBANNE FRANCE  
 CONTINUES JFORL; JOURNAL FRANCAIS D  
 OTO-RHINO-LARYNGOLOGIE, AUDIOPHONOLOGIE ET  
 CHIRURGIE MAXILLO-FACIALE  
 INDEXING CEASED WITH VOL.33 NO. 9,NOV. 1984  
 W1 J0442Z 0398-9771  
 J21800000 JTC: I7J

IM ANNEE PSYCHOLOGIQUE  
 ANNEE PSYCHOL  
 1,1894--  
 PRESSES UNIVERSITAIRES DE FRANCE  
 PARIS FRANCE  
 INDEXING CEASED WITH VOL.84 NO.3,1984.  
 W1 AN673 0003-5033  
 A35685000 JTC: 6C2

IM LARC MEDICAL  
 LARC MED  
 IN1,OCT 1981--  
 LARC MEDICAL  
 LILLE FRANCE  
 OFFICIAL ORGAN OF FACULTES DE MEDECINE DE  
 LILLE, AMIENS, ROUEN, CAEN. CONTINUES:  
 LILLE MEDICAL.  
 INDEXING CEASED WITH VOL.4,NO.10,1984  
 W1 LA774M 0242-9462  
 L02370000 JTC: LIQ

IM ORTHODONTIE FRANCAISE  
 IDL  
 ORTHOD FR  
 1,1921-52,1981  
 SOCIETE FRANCAISE D ORTHOPEDIE DENTO-FACIALE  
 LYONS FRANCE  
 W1 OR79 0078-6608  
 010640000 JTC: OKK

IM NEUROPSYCHIATRIE DE L ENFANCE ET DE L  
 ADOLESCENCE  
 NEUROPSYCHIATR ENFANCE ADOLESC  
 27,1979--  
 EXPANSION SCIENTIFIQUE  
 PARIS FRANCE  
 CONTINUES REVUE DE NEUROPSYCHIATRIE  
 INFANTILE ET D HYGIENE MENTALE DE L  
 ENFANCE. OFFICIAL ORGAN OF THE SOCIETE  
 FRANCAISE DE PSYCHIATRIE DE L ENFANT ET DE  
 L ADOLESCENT.  
 INDEXING CEASED WITH VOL.32,NO.10-11,1984.  
 W1 NE339L 0222-9617  
 N13390000 JTC: NZI

IM PAROI ARTERIELLE  
 PAROI ARTERIELLE  
 1,1973-8N4,1982  
 CENTRE DE RECHERCHES CARDIOLOGIQUES  
 PARIS FRANCE  
 FIRST ISSUE INDEXED; VOL.2, NO.4, 1975  
 W1 PA864H 0398-7655  
 P04560000 JTC: ORO

(The following titles will no longer be indexed for IM,  
 but will continue to be indexed for IDL.)

IDL ACTUALITES ODONTO-STOMATOLOGIQUES  
 ACTUAL ODONTOSTOMATOL (PARIS)  
 N1,1947--  
 EDITIONS JULIEN PRELAT  
 PARIS FRANCE  
 INDEXING FOR IM CEASED WITH VOL.147,1984.  
 W1 AC996 0001-7817  
 A11475000 JTC: 2FI

IDL DEUTSCHE ZAHNARZTLICHE ZEITSCHRIFT  
 DTSCH ZAHNARZTL Z  
 1,1946--  
 CAPL HANSER ZEITSCHRIFTENVERLAG GMBH  
 MUNCHEN GERMANY, WEST  
 INDEXING FOR IM CEASED WITH VOL.40  
 NO.1,1985.  
 W1 DE879 0012-1029  
 D07320000 JTC: ED7

IDL REVUE D ODONTO-STOMATOLOGIE  
 REV ODONTOSTOMATOL (PARIS)  
 1,1972--  
 LIBRAIRIE MALOINE  
 PARIS FRANCE  
 SUPERSEDES REVUE FRANCAISE D  
 ODONTO-STOMATOLOGIE. ISSUE FOR JAN/FEB 1972  
 CALLED V. 19, NO 1 BUT CONSTITUTES V. 1, NO  
 1. SOCIETE ODONTOLOGIQUE DE PARIS  
 INDEXING FOR IM CEASED WITH  
 VOL.13,NO.5,1984.  
 W1 RE833K 0300-9815  
 R45700000 JTC: SWC

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES -- FEBRUARY 1985

The following substantive serial titles were received or ordered by the Serial Records Section. Titles indexed for MEDLINE, HEALTH, and POPLINE are listed in the "INDEXED TITLES UPDATE" section. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement and will include price information if known. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

ADVANCES IN FREE RADICAL BIOLOGY AND  
MEDICINE  
1,1985--  
PERGAMON PRESS  
ELMSFORD, NY UNITED STATES  
ON ORDER  
SR0053224 \$60.00

CALCIUM-ANTAGONISMUS AKTUELL  
N1,1984--  
PHARMA-VERLAGS  
RUHPOLDING GERMANY, WEST  
IN PROCESS  
SR0053183 \$3.33  
PHARMA-VERLAGS, DIENSTLEISTUNGS-,  
HANDELS-GMBH, GUNEZRHAINER WEG 4, 8222  
RUHPOLDING, GERMANY

CARDIOVASCULAR MEDICINE  
9N10, OCT 1984--  
CAHNERS PUBLISHING COMPANY  
NEW YORK UNITED STATES  
CONTINUES: JOURNAL OF CARDIOVASCULAR  
MEDICINE.  
IN PROCESS  
SR0053196  
CAHNERS PUBLISHING COMPANY, MEDICAL  
HEALTH CARE GROUP, 475 PARK AVENUE  
SOUTH, NEW YORK N.Y. 10016

CLADISTICS  
1N1, WINTER 1985--  
MECKLER PUBLISHING  
WESTPORT CT UNITED STATES  
ON ORDER  
SR0052650 \$35.00  
MECKLER PUBLISHING, 11 FERRY LANE WEST,  
WESTPORT CT 06880

CLINICAL CHILD PSYCHOLOGY AND CHILD  
PSYCHIATRY  
1,1985--  
SAGE PUBLICATIONS  
BEVERLY HILLS CA UNITED STATES  
CATALOGING IN PUBLICATION.  
ON ORDER-CIP  
SR0052536

CLINICAL NUTRITION  
1,1984--  
SAUNDERS  
PHILADELPHIA UNITED STATES  
ON ORDER  
SR0052632

COMPUTERS IN HUMAN SERVICES  
1N1, SPRING 1985--  
HAWORTH PRESS  
NEW YORK UNITED STATES  
ON ORDER  
SR0053228 \$40.00  
HAWORTH PRESS, 28 E 22ND ST, NEW YORK NY  
10010

CURRENT PODIATRIC MEDICINE  
JAN, 1985--  
CURRENT PODIATRY PUBLICATIONS  
BEARVILLE NY UNITED STATES  
CONTINUES: CURRENT PODIATRY.  
IN PROCESS  
SR0052538 \$15.00  
CURRENT PODIATRY PUBLICATIONS INC., P.O.  
BOX 458, BEARVILLE NY 12409

DIAGNOSTIC RADIOLOGY  
27TH, 1984?--  
DEPARTMENT OF RADIOLOGY, UNIVERSITY OF  
CALIFORNIA, SAN FRANCISCO  
SAN FRANCISCO UNITED STATES  
CONTINUES: INNOVATIONS IN DIAGNOSTIC  
RADIOLOGY.  
IN PROCESS  
SR0052584

DIRECTORY OF PUBLISHING / CASSELL AND THE  
PUBLISHERS ASSOCIATION  
1985--  
CASSELL  
LONDON ENGLAND  
CONTINUES: DIRECTORY OF PUBLISHING IN GREAT  
BRITAIN, THE COMMONWEALTH, IRELAND,  
PAKISTAN AND SOUTH AFRICA.  
IN PROCESS  
SR0052645  
CASSELL, 10 GREYCOAT PLACE, LONDON SW1P  
1SB, ENGLAND

EMERGENCY CARE QUARTERLY  
1N1, APR 1985--  
ASPEN SYSTEMS CORP  
ROCKVILLE MD UNITED STATES  
ON ORDER  
SR0053194 \$42.50  
ASPEN SYSTEMS CORP, 1600 RESEARCH  
BLVD, ROCKVILLE MD 20850

HOSPITAL THERAPY  
 10N1, JAN 1985--  
 BIOMEDICAL INFORMATION CORPORATION  
 NEW YORK UNITED STATES  
 CONTINUES: DRUG THERAPY. HOSPITAL EDITION.  
 IN PROCESS  
 SR0052578  
 BIOMEDICAL INFORMATION CORPORATION, 800  
 2ND AVE, NEW YORK NY 10017

MOST-PRESCRIBED DRUGS  
 1985--  
 W.B. SAUNDERS COMPANY  
 PHILADELPHIA UNITED STATES  
 CONTINUES: TOP 200.  
 IN PROCESS  
 SR0052580 \$9.95  
 W. B. SAUNDERS, WEST WASHINGTON SQUARE,  
 PHILADELPHIA PA 19105

IMMUNE INTERVENTION  
 1,1984--  
 ACADEMIC PRESS  
 LONDON ENGLAND  
 IN PROCESS  
 SR0053340 \$27.50

NIGERIAN JOURNAL OF PHARMACEUTICAL SCIENCES  
 1,1985?--  
 AHMADU BELLO UNIVERSITY PRESS  
 ZARIA NIGERIA  
 ON ORDER  
 SR0053142  
 MEDICAL LIBRARY, AHMADU BELLO UNIVERSITY  
 HOSPITAL, P.M.B.1026, ZARIA, NIGERIA

IMPORTANT ADVANCES IN ONCOLOGY  
 1985--  
 J.B. LIPPINCOTT COMPANY  
 PHILADELPHIA UNITED STATES  
 IN PROCESS  
 SR0052683  
 J.B. LIPPINCOTT COMPANY, EAST WASHINGTON  
 SQUARE, PHILADELPHIA PA 19105

PROGRESS IN TRANSPLANTATION  
 1,1984--  
 CHURCHILL LIVINGSTONE  
 EDINBURGH SCOTLAND  
 IN PROCESS  
 SR0052684  
 CHURCHILL LIVINGSTONE INC., 1560  
 BROADWAY, NEW YORK NY 10036

JOURNAL OF FREE RADICALS IN BIOLOGY AND  
 MEDICINE  
 1,1985--  
 PERGAMON PRESS  
 ELMSFORD NY UNITED STATES  
 ON ORDER  
 SR0053225 \$125.00

REFERATIVNYI ZHURNAL. 25, FIZIOLOGIYA I  
 MORFOLOGIYA CHELOVEKA I ZHIVOTNYKH  
 1,1985--  
 VINITI  
 MOSKVA USSR  
 IN PROCESS  
 SR0053389

LEARNING RESOURCES DIRECTORY FOR HEALTHCARE  
 EXECUTIVES  
 1,1984/85--  
 FOUNDATION OF THE AMERICAN COLLEGE OF  
 HOSPITAL ADMINISTRATORS  
 CHICAGO UNITED STATES  
 LOOSELEAF.  
 IN PROCESS  
 SR0052654 \$85.00  
 FOUNDATION OF THE AMERICAN COLLEGE OF  
 HOSPITAL ADMINISTRATORS, 840 NORTH LAKE  
 SHORE DRIVE, CHICAGO IL 60611

REVIEWS IN THE NEUROSCIENCES  
 1,1985?--  
 FREUND PUBLISHING  
 TEL AVIV ISRAEL  
 ON ORDER  
 SR0052941  
 FREUND PUBLISHING, SUITE 500 CHESHAM  
 HOUSE, 150 REGENT ST, LONDON W1R  
 5FA, ENGLAND

MODERN CONCEPTS IN IMMUNOLOGY  
 1,1985--  
 WILEY  
 NEW YORK UNITED STATES  
 CATALOGING IN PUBLICATION.  
 ON ORDER - CIP  
 SR0053439

VETERINARY MEDICINE  
 80N1, JAN 1985--  
 VETERINARY MEDICINE PUBLISHING  
 EDWARDSVILLE KS UNITED STATES  
 CONTINUES: VM/SAC.  
 IN PROCESS  
 SR0052558  
 VETERINARY MEDICINE PUBLISHING  
 COMPANY, 690 S. 4TH STREET, EDWARDSVILLE  
 KS 66113





# THE NLM TECHNICAL BULLETIN

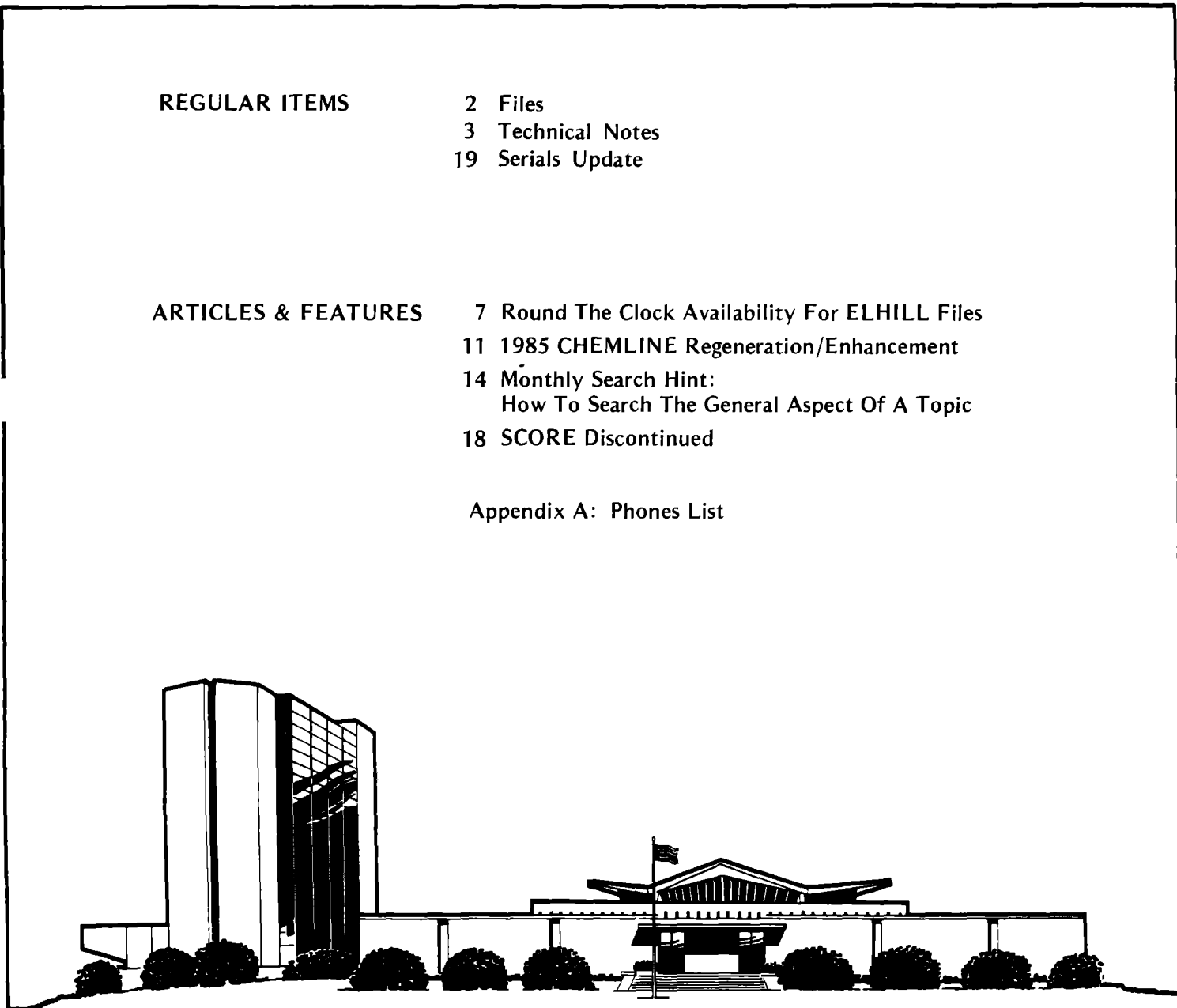
## REGULAR ITEMS

- 2 Files
- 3 Technical Notes
- 19 Serials Update

## ARTICLES & FEATURES

- 7 Round The Clock Availability For ELHILL Files
- 11 1985 CHEMLINE Regeneration/Enhancement
- 14 Monthly Search Hint:  
How To Search The General Aspect Of A Topic
- 18 SCORE Discontinued

Appendix A: Phones List



Contents Not Copyrighted • Freely Reproducible

NLM TECHNICAL BULLETIN - APR 85

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	13,257	THROUGH 1985	11 APR 85	
BIOETHICS	17,802	JAN 73-FEB 85	25 FEB 85	8502(EM)
CANCERLIT	452,813	JAN 63-APR 85	01 APR 85	8504(EM)
CANCERPROJ	2,970	THROUGH 1984	01 APR 85	8504(EM)
CATLINE	588,850	THROUGH 1985	11 APR 85	
CHEMLINE	625,693		25 FEB 85	8502(EM)
CLINPROT	4,792		01 APR 85	8503(EM)
DIRLINE	14,816		25 MAR 85	
EXPRESS	7,384	DEC 84-APR 85	05 APR 85	8504(EM)
HEALTH	307,699	JAN 75-MAY 85	09 APR 85	8505(EM)
HISTLINE	66,402		05 APR 85	8504(EM)
MEDLINE	561,991	JAN 83-MAY 85	01 APR 85	8505(EM)
MED80	804,815	JAN 80-DEC 82	08 APR 85	
MED77	775,078	JAN 77-DEC 79	04 FEB 85	
MED75	642,710	JAN 75-DEC 76	10 DEC 84	
MED71	883,895	JAN 71-DEC 74	25 MAR 85	
MED66	954,650	JAN 66-DEC 70	10 DEC 84	
MESH VOC	53,416	1985	15 APR 85	
NAME AUTH	174,107		15 APR 85	
POPLINE	131,905	1970-APR 85	15 APR 85	8504(EM)
RTECS	72,573	THROUGH JAN 85	11 MAR 85	
SDILINE	24,330	MAY 85	01 APR 85	8505(EM)
SERLINE	61,480	1985	28 MAR 85	
TDB	4,114		28 JAN 85	
TOXLINE	558,499		15 APR 85	8504(EM)
CBAC	322,529	1981-VOL 102(5,6)		
TOXBIB	120,996	1981-MAY 85		
IPA (ASHP)	27,860	1981-VOL 22 (7,8)		
HEEP	46,433	1981-VOL 14(5)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	5,937	1981-APR 1984		
TD3	15,817	1981-GRA&I 8502-8503		
HMTC	563			
ILO	3,411	FEB 1985		
RPROJ/CRISP	4,518	FISCAL YEAR 1983		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXBIB	106,643	1976-1980		
IPA(ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA(ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAPAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		

Editor: Carolyn B. Tilley  
Assistant Editor: T. Scott Plutchak  
Technical Notes Editor: Patricia E. Healy

(301) 496-6193

Direct Inquiries to:  
MEDLARS Management Section  
National Library of Medicine  
Bldg. 38A, Rm. 4N421  
Bethesda, Maryland 20209

TECHNICAL NOTES

Whenever applicable, the heading of each Technical Note includes a reference to the section of the 1982 Online Services Reference Manual that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

MEMORIAL DAY - The NLM computer will be up on Monday, May 27, 1985, the HOLIDAY day of the Federal Government observance of Memorial Day. SCHEDULE Non-prime rates will be in effect all day. The MEDLARS Management Service desk will not be staffed. On Memorial Day, Thursday, May 30, 1985, the NLM computer will be up and the MMS Service desk staffed. Regular rates will be in effect all day.

NEW MEDLEARN - Effective April 1, 1985, the hours during which MEDLEARN HOURS may be accessed have been expanded. The new hours are:

Monday-Friday	5:00 am - 11:00 pm
Saturday	8:30 am - 5:00 pm
Sunday	unavailable

There are no longer any restrictions on midday access.

CATLINE/ - CATLINE and AVLINE were regenerated on March 25, 1985 and AVLINE/NAF both files are now searchable with the 1985 MeSH REGENERATION Vocabulary. The NAME AUTHORITY FILE was regenerated on (Manual 8+, April 1, 1985. Please read the articles in the March 1985 9+, 10+) issue of the NLM Technical Bulletin, pages 10-12, for information about new data elements, changes to existing elements, and data changes.

TRAINING - "Teaching MEDLINE to the Health Professional: A Workshop TRAINERS for Search Intermediaries," the NLM "Training Trainers" AT MLA workshop being held in conjunction with the Medical Library Association's Annual Conference on May 31, 1985, was announced in a flier sent with the February issue of the NLM Technical Bulletin. The workshop will be held at the Uris Auditorium, Cornell University Medical College, Samuel J. Wood Library, 1300 York Avenue, New York, NY 10021, from 9:00 am to 4:30 pm. The deadline for receipt of applications to attend this workshop is May 1, 1985. Letters of confirmation to all persons registered will be mailed after that date. If you have any questions or need an application form, please call the MMS Service desk at (301) 496-6193.

ZIP CODES - Beginning with the June 1985 SDILINE (available online May IN SDILINE 6, 1985), Zip Codes for United States addresses (when (Manual 7.3.3) given in the original article) will appear in the Address (AD) field. The corresponding codes in foreign addresses will not be picked up. The Address (AD) field exists in SDILINE only; addresses are not included in MEDLINE.

AVERAGE  
DATABASE  
USAGE COSTS

- With the advent of the pricing algorithm, which became effective for domestic users on October 3, 1983, NLM began charging users not only for online connect time, but also for online search statements, citations, interactions (carriage returns), computer resources (disk accesses), and characters transmitted to the searcher's terminal. Although NLM charges for each of these components separately, searchers should be aware that the algorithm was based on an average total hourly cost per database and that the cost of most searches performed online will approximate these hourly charges. For domestic users, these average hourly charges are:

	<u>Prime Time*</u>	<u>Non-Prime Time</u>
MEDLINE & BACKFILES	\$22.00/hour	\$15.00/hour
TOXLINE & BACKFILES	72.00/hour	69.25/hour
CHEMLINE	52.00/hour	49.25/hour
RTECS	55.00/hour	48.00/hour
TDB	75.00/hour	68.00/hour
ALL OTHER DATABASES	22.00/hour	15.00/hour

\*Prime time is 10:00 am - 5:00 pm Eastern Time  
Monday-Friday.

These average hourly charges incorporate all price changes made since October 1983. Actual charges may differ from these average charges depending on the nature of any given search. A large volume of online printing will result in actual charges considerably higher than the average charges. Royalties for the file content suppliers are included in the TOXLINE/BACKFILES and CHEMLINE charges. Any offline charges are not included. For a complete explanation of NLM charges, access FILE INFORM and type EXPLAIN CHARGES.

AUTOMATIC  
SDIs AND  
OVERFLOW  
CONDITIONS

- Users of the Automatic SDI service are reminded that Automatic SDIs are run in the OFFSEARCH programs and are thus subject to OFFSEARCH search limits. These limits are:
  1. STRINGSEARCHes will not be performed on any retrieval that exceeds 3,000 citations.
  2. No search in which an Explosion or truncation generates more than 2,250 terms will be processed.
  3. No search that exceeds 240 seconds of processing time will be processed.

Any SDI search which encounters these limits will be automatically purged by the program, and the user will receive no output. Users should observe the following guidelines when formulating searches to be run as Automatic SDIs.

AUTOMATIC  
SDIs  
(Continued)

1. Do not STRINGSEARCH for anything that can be searched directly, such as ENG (LA).
2. Avoid truncated roots, such as TOXIC:.
3. Avoid long, involved strategies, and never use ranging.

Automatic SDI searches running against the TOXLINE, CANCERLIT, and HEALTH files are more likely than SDILINE searches to encounter OFFSEARCH limits because there is no separate monthly file for these databases. Instead, the search strategy is processed against the entire database and is combined with the latest Entry Month (EM) only in the last step. Once a search has encountered an overflow condition, it will do so each month; the user must therefore purge it, using the PURGESEARCH command, and reformulate it.

LIST OF  
JOURNALS  
INDEXED IN  
INDEX MEDICUS

- The List of Journals Indexed in Index Medicus, 1985 (LJI), is now available for purchase from the U.S. Government Printing Office. The stock number is S/N 017-052-00254-6; the domestic price is \$6.00 (\$7.50 foreign). Orders should be sent to:

Superintendent of Documents  
U.S. Government Printing Office  
Washington, DC 20402  
(202) 783-3238 (for phone orders)

A change in this edition of LJI is the designation of Abridged Index Medicus (AIM) titles. AIM titles are preceded in all listings by an asterisk (\*).

Unfortunately, this issue of LJI contains a sorting error in the "Full Title Listing." Titles are sorted (filed) character-by-character including internal prepositions and other insignificant words. This is contrary to existing NLM policy which is to ignore insignificant words in the full title for filing and printing purposes. For example, the Journal of Infectious Diseases (Chicago) incorrectly sorts before the Journal of the American Optometric Association (St. Louis) in this issue. The correct sort for these journals would be to ignore words such as "of" and "the" and to sort on significant words. Therefore the Journal of the American Optometric Association should sort before the Journal of Infectious Diseases. The 1986 edition will be corrected to conform to NLM policy. This error affects the "Full Title Listing" only. The "Abbreviation Listing" which contains journal title abbreviations, the "Subject Listing" and the "Geographic Listing" are sorted correctly.

- HARDCOPY  
RTECS
- The 1983 Supplement to the Registry of Toxic Effects of Chemical Substances (RTECS) is now available from the U.S. Government Printing Office (GPO). This Supplement contains substances added to the RTECS file, and substances for which changes were made in data, between January 1983 and January 1984. The stock number is: S/N 017-033-00415-3; the domestic price is \$14.00 (\$17.50 foreign). Orders should be sent to:  
  
Superintendent of Documents  
U.S. Government Printing Office  
Washington, DC 20402  
(202) 783-3238 (for phone orders)
- CLINPROT  
INDEX TERM  
LIST
- The CLINPROT Index Term listing for April 1985 is now available. It may be requested by writing to Mr. Jim Carter, International Cancer Information Center, R.A. Bloch Building, Bethesda, Maryland 20205, or the MEDLARS Management Section. Please include a self-addressed label with your request. No postage is necessary.
- PHONES  
LIST
- A list of available telephone numbers used to access the NLM Computer is enclosed as Appendix A.

*PLEASE ACCESS FILE INFORM AND TYPE NEWS TO SEE THE MOST  
RECENT NEWS ITEM ONLINE!*

ROUND-THE-CLOCK AVAILABILITY FOR ELHILL FILES

Lois Ann Colaianni  
Associate Director For Library Operations, NLM

In the February issue of the NLM Technical Bulletin, NLM announced that the hours of availability for the ELHILL files (MEDLINE, CATLINE, TOXLINE, etc.) had shifted to 5:00 am - 11:00 pm Eastern Time (ET) Monday through Friday. In the March Bulletin, NLM gave notice of expanded weekend service for these files.

In this issue, NLM is pleased to announce that effective June 1, 1985, ELHILL files will be available 24 hours a day, 7 days a week, around the clock.

Extended Schedule For ELHILL Files

As part of the continuing effort to provide more hours of computer service to users, the Office of Computer and Communications Systems (OCCS) staff have developed procedures that enable NLM to offer service under the following general schedule effective June 1:

Guaranteed hours:            Sunday midnight through Saturday 5:00 pm ET  
Non-guaranteed hours:       Saturday 5:00 pm ET through Sunday 11:00 pm ET

Scheduled Downtimes

1. Monday-Friday: In order to accomodate users who may want access to the system at any given time, NLM mounts three identical copies of the ELHILL programs. The system distributes online users among the three copies automatically to maintain an equitable balance in the system workload, thus assuring the best possible response time for the user.

Printing citations requested by OFFLINE print commands and executing and printing search results of OFFSEARCHes is termed "post-processing". This post-processing cannot be done on the ELHILL files while they are available for online searching. Therefore, the three copies will be taken down according to the following schedule in order to process OFFLINE prints and OFFSEARCHes.

Each weekday evening at 4:00 pm ET, MEDLARS Management staff will input a BROADCAST message into one copy indicating that it will be coming down for post-processing at 7:00 pm ET. That copy will be closed to any new logons at 6:00 pm ET. Users entering the system after 6:00 pm ET will automatically be routed to one of the two remaining copies. At 7:00 pm ET, the closed copy will be taken down and post-processing on that copy will begin.

At 11:00 pm ET, the two remaining copies will be closed to permit processing of their OFFLINE prints and OFFSEARCHes. The copy which had been brought down at 7:00 pm ET will be restarted at 11:15 pm ET. The 15-minute period from 11:00 pm - 11:15 pm ET, during which none of the copies is available, is necessary to update the Stored Searches File and

the MeSH Vocabulary File. Both of these files can only be updated when the online system and post-processing activities are completely down.

Using these procedures, at least one copy of the system will be available for searching almost 24 hours a day (except for the 15 minutes between 11:00 and 11:15 pm ET).

2. Saturday-Sunday: As indicated in the March Technical Bulletin, NLM will normally take the entire system down at 11:00 pm ET Saturday to gather billing statistics and bring it back up 15-30 minutes later. BROADCASTs will be loaded at least 6 hours prior to any scheduled Saturday evening shutdowns. NLM will also prepare online BROADCASTs and/or NEWS notes containing information about weekend hours of non-availability; these will be entered into the system by Thursday evening if the system will not be up.

On those occasional Sundays when the system must be turned over to IBM for preventive maintenance or repair of system problems, BROADCASTs and/or NEWS notes will be loaded as described above, informing users of the hours scheduled for these activities. The system will generally be available again at the conclusion of any maintenance or repair work.

#### Unscheduled Downtimes

1. Monday-Friday: If the system experiences any unscheduled downtimes on weekdays, it will be brought up as soon as the source of the problem has been identified and repairs have been made. Usually the system will be available within 15-20 minutes after the problem has been identified.

2. Saturday-Sunday: Saturday evening and Sunday hours are not guaranteed because the computer room may not be staffed after 5:00 pm ET Saturday. If the system fails at any later time, it is unlikely that it will be restarted before midnight on Sunday.

#### User Support

1. Weekdays: The MEDLARS Management Section Service Desk is staffed Mondays through Fridays 8:30 am - 5:00 pm ET. During these hours, users may call the following numbers for assistance:

Search strategy, training, etc.: (301) 496-6193  
Telecommunications problems: (800) 638-8480 (toll-free)

Searchers can also enter messages to the Service Desk using the online COMMENT command. These messages are retrieved by MMS staff at 9:00 am ET and 4:00 pm ET Monday-Friday. If a reply to the message has been requested, MMS staff will contact the searcher. (A brief article reviewing the use of the COMMENT command will appear in the May issue of the Technical Bulletin.)

2. All other times: There are several options available for notifying MMS of questions or problems that may arise during hours when the MMS Service Desk is not staffed. First, users are strongly urged to make use of the online COMMENT command.



In addition, a telephone answering device on the 800 toll-free number will permit users to leave a message including their userid, name, telephone number, and a brief description of the problem or information needed. This telephone message capability will become operational June 1st on an experimental basis. MMS staff will respond to both online COMMENTS and recorded messages at the earliest work-day opportunity.

Finally, at times when the Service Desk is not staffed, users encountering problems logging on may call the NLM computer room to determine whether the system is up or down. However, no search strategy or telecommunications assistance can be provided by the computer operators. Users should not call the computer room until all other sources of assistance have been checked.

In summary, during evenings and weekends, users will have the following service options:

While connected to ELHILL:	online COMMENT command
To leave message with Service Desk:	(800) 638-8480 (toll-free)
System status:	(301) 496-9113

#### Offline Prints and OFFSEARCHes

Post-processing of all offline prints and OFFSEARCH requests will take place at the earliest available time throughout the week. No change in the mailing of offline printouts is expected; you will always get all offprints requested together in an envelope as is the current practice, unless the size of the printouts make it necessary to split the mailing into two or more envelopes. Post-processing of weekend offprints and system entering of stored searches (see below) will take place on Monday evening, with mailings on Tuesday. Searchers should call the Service Desk before 5:00 pm ET Monday - Friday to cancel OFFLINE prints and OFFSEARCHes entered that day. Offline prints and OFFSEARCHes entered between 5:00 pm ET and 11:15 pm ET cannot be cancelled. If a request for an offline print or OFFSEARCH is entered on a weekend and needs to be cancelled, the user must call the MMS Service Desk on the following Monday between 8:30 am ET and 5:00 pm ET to do so.

#### STORESEARCHes

All STORESEARCH stored searches entered Monday through Friday will be available for display on the following work day. A searcher can check on the following day using the DISPLAY (searchname) command to see if the search was actually entered.

STORESEARCHes input on Saturday or Sunday will not be finally stored until after 11:00 pm ET Monday evening. A searcher cannot check on Monday, but must wait until Tuesday, to DISPLAY any weekend searches stored. If a search is stored twice with the same name, it becomes unusable and cannot be removed. No charges for storage will result in these instances because NLM charges only for the cost of monthly execution and page charges, not for storage costs for Automatic SDI stored searches and stored searches used in OFFSEARCHes.

### SAVE SEARCHes

Expanded hours will have no effect on SAVE searches (or SAVESEARCH). However, SAVEs should be removed after NLM has processed the offline print to make room for other searches and assure at least 10 percent free space for each ID code at all times.

### Exceptions

On some holiday observances, it is possible that the computer hours may be non-guaranteed. Specific information concerning the holiday schedule will be provided in the online NEWS and in future issues of the NLM Technical Bulletin. The Service Desk is not staffed when the Federal Government observance of a holiday falls on Monday. For 1985, these Monday holidays are: May 27 (Memorial Day), September 4 (Labor Day), October 14 (Columbus Day), and November 11 (Veterans Day).

Please call the MEDLARS Management Section at (301) 496-6193 if you have any questions about the extended availability of ELHILL databases.

#### HIGHLIGHTS

June 1: ELHILL files available virtually 24 hours a day, 7 days a week. (Except for 11:00 pm ET to 11:15 pm ET).

Guaranteed hours: Sunday midnight through Saturday 5:00 pm ET.

Non-guaranteed hours: Saturday 5:00 pm ET through Sunday 11:00 pm ET.

BROADCAST messages and/or online NEWS notes will be entered to alert users to any unexpected downtimes.

Service desk is staffed from 8:30 am ET to 5:00 pm ET Monday through Friday.

Telephone answering machine available at all other times.

Use online COMMENT command at any time when connected to ELHILL.

Call computer room to determine if system is up when other avenues of support have been exhausted.

Weekend offline prints and OFFSEARCHes will not be processed until Monday evening.

They may be cancelled on most Mondays by calling the MMS Service Desk.

Weekend STORESEARCHes will not be entered into the system until Monday evening.

Searchers should wait until Tuesday to DISPLAY them.

\*\*\*\*\*

1985 CHEMLINE REGENERATION/ENHANCEMENT

George F. Hazard, Jr., Ph.D.  
Specialized Information Services, NLM

Introduction

The CHEMLINE file is scheduled for regeneration in April, 1985 with several important new additions to its capabilities. The number of drug names has been increased and the quality of nomenclature has been strengthened. More names have been added with the name source "NLM", the ring data fields have been updated, and the locator field has been modified to show the presence of CAS Registry Numbers in MEDLINE backfiles.

Regeneration -- General Features

The new file includes names taken from the CAS Index Guide, and the NLM RTECS, TDB, and MESH Vocabulary files. In addition to these sources of names, additional drug names were obtained from United States Pharmacopeial Convention Inc. (USP) in a process explained below. All names have been merged by CAS Registry Number, and passed through a computer validation step before addition to CHEMLINE. As a consequence, the latest MeSH Heading status from the 1985 MESH file is now carried as "MESH\*" in the name source portion of the SY (Synonym) field. Over 60,000 records have been augmented with over 120,000 names and synonyms to increase the user's chance of finding substances of interest.

New Drug Data From U.S. Pharmacopeial Convention, Inc. (USP)

An important new source of drug nomenclature has been added to the CHEMLINE file. Under an agreement with USP, drug names from the 1985 publication, USAN and the USP Dictionary of Drug Names have been merged by CAS Registry Number into CHEMLINE records with the name source "USPDDN" appended to the SY field. Records that are official US Adopted Names (USAN) have an asterisk appended to the name source and will thus be "USPDDN\*". A sample record follows:

RN - 50-12-4  
 MF - C12-H14-N2-O2  
 N1 - 2,4-Imidazolidinedione, 5-ethyl-3-methyl-5-phenyl- (9CI)  
 SY - Epilan [CAS:RTECS]  
 SY - Hydantoin, 5-ethyl-3-methyl-5-phenyl- (8CI) [CAS:RTECS]  
 SY - Insulton [RTECS]  
 SY - Mephentoin [CAS:MESH\*:RTECS:USPDDN\*]  
 SY - Mesantoin [CAS:MESH:RTECS:USPDDN]  
 SY - Mesontoin [RTECS]  
 SY - Methoin [CAS:MESH:RTECS:USPDDN]  
 SY - NSC-34652 [RTECS:USPDDN]  
 SY - Phenantoin [CAS:RTECS]  
 SY - Phenylethylmethylhydantoin [RTECS]  
 SY - Sacerno [CAS:RTECS]  
 SY - Triantoin [CAS:RTECS]  
 SY - [component of] Hydantal [USPDDN]  
 LO - TOXLINE

LO - TOXBACK76  
 LO - TOXBACK65  
 LO - RTECS  
 LO - MEDLINE  
 LO - MED80  
 LO - MED77

The synonym "Mephenytoin" is labelled "USPDDN\*" and is thus an official USAN name approved by the USAN Council. As of 1984, the Food and Drug Administration no longer routinely designates "established" names for drugs, and instead recommends that interested persons rely on certain of the nonproprietary names contained in USAN and the USP Dictionary of Drug Names for labelling and other purposes as the established name under Section 502(e) of the Federal Food, Drug and Cosmetic Act. As a USAN name, Mephenytoin is a non-proprietary name suitable for this purpose. Names in CHEMLINE labelled "USPDDN" without an asterisk, may be either a non-proprietary name or a trade name, and thus may not be suitable for use as an "established" name.

A major new type of data obtained from USP is the name of drug mixtures containing the component substance found in the CHEMLINE record. Thus Mephenytoin is a "component of" the compound Hydantal. That is, it is one of several substances that make up the formulation of Hydantal. The phrase "component of" is enclosed in square brackets in CHEMLINE (indicating that it is ignored for the purposes of search term generation) so that a user typing "Hydantal" would retrieve the record of Mephenytoin, plus the records for any other substances which USP labelled as components of Hydantal. Since the other components in a mixture may well have their own pharmacological activity or toxicity, the user should always be careful after a CHEMLINE retrieval to: 1) print the record to be certain that the name input is not labelled as a "component of" and 2) be cautious in using names labelled this way in further searching in a file like TOXLINE.

Since the USPDDN names have been merged by CAS Registry Number with names from RTECS, TDB, CAS and MESH, the user may note some differences in the way name sources choose Registry Numbers. In some cases, USP has used the Registry Number for the hydrated form of a drug. Although this may reflect the actual chemical composition of the substance, many files containing data for that substance use the Registry Number of the parent, non-hydrated form for indexing. If a search for a drug name in CHEMLINE causes retrieval of the records for both the hydrated and non-hydrated forms of a substance (the only difference in the N1 name will be "hydrate", "dihydrate", etc.), both Registry Numbers may be used to search files such as TOXLINE. In many cases the Registry Number of the non-hydrated form will result in more comprehensive retrieval.

#### NLM Names

In order to remain current with names of substances that appear in the popular press, but do not appear in CHEMLINE's normal sources, Specialized Information Services staff at NLM have monitored the newspapers and trade literature for chemical names of high interest that should be included in CHEMLINE. The synonym "MIC" for Methyl Isocyanate is a case in point.

These names have been added only if they would not appear in the file otherwise.

### Ring Data

As of December 1982, Chemical Abstracts Service no longer supplied NLM with Ring Data, which comprised the NR (Number of Rings), RS (Ring Size), RE (Ring Elemental Analysis), and CL (Component Line Formula) fields. NLM has initiated an experimental effort to add such data for substances new to the file since that time. The first addition of these data is scheduled for the April regeneration of CHEMLINE, and the remaining backlog of data is being processed. The new data cover CHEMLINE updates through May 1983.

### Other Enhancements

Some formatting changes have been made to help users search for certain types of data. Names from RTECS flagged as "(DOT)" for Department of Transportation, will carry the DOT designation in square brackets as in "[DOT]" when moved to CHEMLINE. This format change has the effect of stripping out this designation in the searchable name, and thus eliminating the need to type "(DOT)" when searching for this type of data. We have also added programming to be certain that names in RTECS labelled "RCRA" (Resource Conservation and Recovery Act) are pulled into CHEMLINE. These names give the official hazardous waste code number designated by the Environmental Protection Agency (EPA) and applied to substances in the RTECS file. Examples of these two changes follow:

```

SY - Formalin [DOT] [RTECS]
SY - UN 1198 [DOT] [RTECS]
SY - RCRA WASTE NUMBER U1222 [RTECS]
    
```

### Locators

The number of file names allowed in the Locator (LO) field has been expanded from 7 to a maximum of 20. This has allowed us to carry the locators "MED80" and "MED77" for the MEDLINE backfiles. Users should remember that this field gives the name of a file where the CAS Registry Number, not the name, of a substance has been used to represent a substance. In files such as MED77, the Registry Number has not been used on all citations in the file, and other indexing terms such as MeSH Headings should be used for a complete search.

### Summary

We hope that these enhancements will be useful to searchers who need reliable chemical searching in NLM files. The ability to go to CHEMLINE as a central point for chemical identification, coupled with the individual strengths of the RTECS, TDB, and MESH Vocabulary files to back up searching ability, provides the user with a powerful set of tools to enhance search strategies that include chemical identification.

\*\*\*\*\*

MONTHLY SEARCH HINT:  
HOW TO SEARCH THE GENERAL ASPECT OF A TOPIC

Lou Wave S. Knecht  
MEDLARS Management Section, NLM  
T. Scott Plutchak  
Index Section, NLM

MEDLARS Management has been asked many times to implement a mechanism for searching the general aspects of a topic. Most citations are indexed to a main heading/subheading combination, with the subheading indicating the emphasis of the main heading. For example, in the online record, a citation with an MH reading: Kidney Diseases/\*DIAGNOSIS/METABOLISM/THERAPY is for an article primarily concerned with the diagnosis of kidney diseases, although metabolic and therapeutic aspects are also discussed. The MH for a general article on kidney diseases which discussed these three aspects although none of them was the central point would appear like this: \*Kidney Diseases/DIAGNOSIS/METABOLISM/THERAPY.

Under ELHILL there is no simple way to search only for this latter type of citation. The search statement \*KIDNEY DISEASES with no subheading added would retrieve both of these examples. There is, however, a way to isolate these general citations. Outlined below, with an accompanying example, are the steps needed to retrieve general citations on a topic.

1. NBRDET the MeSH heading to see the subheadings that currently exist in combination with the term. All the combinations will list out first, followed by those with an asterisk. The asterisk indicates the main heading/subheading combinations which are the main point of an article, and it is these combinations with which this procedure is concerned.
2. Use the SUBS APPLY command to "turn on" all of those asterisked subheadings. If the list is long, remember to end the line with a comma and carriage return, and the system will prompt you for "CONTINUE SUBS-."
3. Search the MeSH heading, using the asterisk. Because of the SUBS APPLY command, this will retrieve only those citations for which one of the subheadings connected to that Main Heading appears with an asterisk in the online record.
4. Issue the SUBS CANCEL command.
5. Search the MeSH heading (with asterisk) again. This retrieval contains both the citations retrieved in step 3 as well as those for which the Main Heading itself is assigned the asterisk.
6. Use the AND NOT Boolean logic to eliminate the retrieval from step 3 and isolate the general citations.

Searching The General Aspect Of A Topic -- Sample Search Strategy

SS 1 /C?

USER:

nbrdet reye's syndrome

PROG:

STEP 1

POSTINGS	TERM
159	REYE (TW)
1	REYE DN (AU)
177	REYE'S SYNDROME (MH)
11	REYE'S SYNDROME/BL (MH)
1	REYE'S SYNDROME/CF (MH)

UP N OR DOWN N?

USER:

d 10

PROG:

POSTINGS	TERM
35	REYE'S SYNDROME/CI (MH)
1	REYE'S SYNDROME/CL (MH)

(Display will list all MH/SH combinations before listing those with an asterisk)

•••

2	REYE'S SYNDROME/VE (MH)
144	*REYE'S SYNDROME (MH)
7	*REYE'S SYNDROME/BL (MH)
21	*REYE'S SYNDROME/CI (MH)
1	*REYE'S SYNDROME/CL (MH)
6	*REYE'S SYNDROME/CO (MH)
25	*REYE'S SYNDROME/DI (MH)
2	*REYE'S SYNDROME/DT (MH)

UP N OR DOWN N?

USER:

d 10

PROG:

POSTINGS	TERM
6	*REYE'S SYNDROME/EN (MH)
10	*REYE'S SYNDROME/ET (MH)
7	*REYE'S SYNDROME/ME (MH)
3	*REYE'S SYNDROME/MI (MH)
5	*REYE'S SYNDROME/NU (MH)
13	*REYE'S SYNDROME/OC (MH)
13	*REYE'S SYNDROME/PA (MH)
6	*REYE'S SYNDROME/PP (MH)
2	*REYE'S SYNDROME/RA (MH)
4	*REYE'S SYNDROME/TH (MH)

UP N OR DOWN N?

USER:

d 10

PROG:

POSTINGS	TERM
1	*REYE'S SYNDROME/UR (MH)
2	*REYE'S SYNDROME/VE (MH)
1	REYER RW (AU)
3	REYERS F (AU)
2	REYERS I (AU)
3	REYES (TW)
7	REYES A (AU)
4	REYES AA (AU)
20	REYES AJ (AU)
1	REYES AL (AU)

UP N OR DOWN N?

USER:  
 SUBS APPLY BL, CI, CL, CO, DI, DT, EN, ET, ME,  
 PROG:  
 CONTINUE SUBS-

STEP 2

(It is necessary to enter only those subheadings  
 that appear with an asterisk in the NBR list)

USER:  
 MI, NU, OC, PA, PP, RA, TH, UR, VE  
 PROG:  
 SUBHEADINGS ACCEPTED.

SS 1 /C?

USER:  
 \*REYE'S SYNDROME  
 PROG:  
 SS (1) PSTG (134)

STEP 3

(This retrieves citations for which the MH with the  
 subheading is the main point of the article)

SS 2 /C?

USER:  
 SUBS CANCEL  
 PROG:  
 SUBHEADINGS CANCELLED.

STEP 4

SS 2 /C?

USER:  
 \*REYE'S SYNDROME  
 PROG:  
 SS (2) PSTG (144)

STEP 5

SS 3 /C?

USER:  
 2 AND NOT 1  
 PROG:  
 SS (3) PSTG (10)

STEP 6

SS 4 /C?

USER:  
 PRT TI, MH  
 PROG:

1

TI - Reye's syndrome and organ transplantation [letter]  
 MH - Case Report  
 MH - Human  
 MH - Infant  
 MH - Kidney/\*TRANSPLANTATION  
 MH - Male  
 MH - \*Reye's Syndrome  
 MH - \*Tissue Donors

2

TI - Reye's syndrome.  
 MH - Adolescence  
 MH - Barbiturates/ADMINISTRATION & DOSAGE  
 MH - Catheterization  
 MH - Child  
 MH - Child, Preschool  
 MH - Human  
 MH - Intubation, Intratracheal  
 MH - Mannitol/THERAPEUTIC USE  
 MH - Pancuronium/THERAPEUTIC USE  
 MH - Pentobarbital/THERAPEUTIC USE  
 MH - Phenothiazines/ADVERSE EFFECTS  
 MH - Prognosis  
 MH - Review  
 MH - \*Reye's Syndrome/CHEMICALLY INDUCED/COMPLICATIONS/DIAGNOSIS/DRUG  
 THERAPY/ETIOLOGY/PHYSIOPATHOLOGY/THERAPY  
 MH - Salicylates/ADVERSE EFFECTS



3

TI - Reye's syndrome--still an elusive entity [editorial]  
 MH - Child  
 MH - Human  
 MH - \*Reye's Syndrome/METABOLISM/PREVENTION & CONTROL/THERAPY  
 CONTINUE PRINTING? (YES/NO)

USER:

Y

PROG:

4

TI - Reye's syndrome.  
 MH - Adolescence  
 MH - Child  
 MH - Child, Preschool  
 MH - Human  
 MH - Infant  
 MH - \*Reye's Syndrome/CHEMICALLY INDUCED/DRUG THERAPY/METABOLISM/  
 PATHOLOGY  
 MH - Salicylates/ADVERSE EFFECTS

5

TI - Reye's syndrome: a devastating childhood illness.  
 MH - Child  
 MH - Great Britain  
 MH - Human  
 MH - \*Reye's Syndrome/OCCURRENCE

6

TI - Reye's syndrome. A review from the forensic viewpoint.  
 MH - Aflatoxins/ADVERSE EFFECTS  
 MH - Aminotransferases/BLOOD  
 MH - Ammonia/BLOOD  
 MH - Child  
 MH - Coroners and Medical Examiners  
 MH - \*Forensic Medicine  
 MH - Human  
 MH - Infant  
 MH - Insecticides/ADVERSE EFFECTS  
 MH - Mitochondria/PATHOLOGY  
 MH - Review  
 MH - \*Reye's Syndrome/DIAGNOSIS/ETIOLOGY/PATHOLOGY  
 MH - Salicylates/ADVERSE EFFECTS  
 MH - Virus Diseases/COMPLICATIONS  
 CONTINUE PRINTING? (YES/NO)

...

\*\*\*\*\*

STANDING COMMITTEE ON  
ONLINE RETRIEVAL EDUCATION (SCORE) DISCONTINUED

Lois Ann Colaianni  
Associate Director for Library Operations, NLM

The Standing Committee on Online Retrieval Education (SCORE) has been discontinued. Implemented in 1976, the program was developed as an advisory committee to respond to the need to coordinate and standardize continuing education and update sessions throughout the NLM Online Network.

The major replacement for SCORE's guidance to NLM was the successful decentralization of online services training and the close working relationships which have developed among the training staffs. Excellent work and advice as well as preparation of some Medical Library Association Continuing Education courses was provided by SCORE members. Also, the annual update program by Technical Resource Persons, proposed originally by SCORE, has continued to provide excellent feedback to NLM.

The SCORE program was of great benefit to NLM and to all MEDLARS searchers. NLM staff sincerely appreciate all the efforts of SCORE members over the years.

\*\*\*\*\*

SERIALS UPDATE

INDEXED TITLES UPDATE, APRIL 1985

The following titles cited in MEDLINE, HEALTH, and POPLINE have recently been selected for indexing, deselected, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last UPDATE. More detailed information about each title may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, MARCH 1985

<p>HLI AMERICAN JOURNAL OF HOSPICE CARE AM J HOSPICE CARE 1N1,WINTER 1984-- PRIME NATIONAL PUBLISHING WESTON MA UNITED STATES INDEXING BEGAN WITH V1N1,WINTER 1984. W1 AM454M 0749-1565 SR0050391 JTC: AJH</p>	<p>IM JOURNAL OF CELL SCIENCE. SUPPLEMENT J CELL SCI [SUPPL] 1,1984-- COMPANY OF BIOLOGISTS CAMBRIDGE ENGLAND W1 J05785A SR0053589 JTC: HNG THE COMPANY OF BIOLOGISTS, LTD., DEPARTMENT OF ZOOLOGY, UNIVERSITY OF CAMBRIDGE, DOWNING ST., CAMBRIDGE CB2 3EJ ENGLAND</p>
<p>HLI CORPORATE COMMENTARY CORP COMMENT 1N1,JUN 1984-- WASHINGTON BUSINESS GROUP ON HEALTH WASHINGTON UNITED STATES INDEXING BEGAN WITH V1N1,JUN 1984. W1 C0897BR 0749-4335 SR0050440 JTC: COC</p>	<p>INI REVISTA GAUCHA DE ENFERMAGEM REV GAUCHA ENFERM 5N1,JAN 1984-- ESCOLA DE ENFERMAGEM DA UNIVERSIDADE FEDERAL DO RIO GRANDE E DO SUL PORTO ALEGRE BRAZIL INDEXING BEGAN WITH VOL.5 NO.1,JAN 1984. ON ORDER SR0053577 JTC: REV</p>
<p>IDL FACIAL ORTHOPEDICS AND TEMPOROMANDIBULAR ARTHROLOGY FACIAL ORTHOP TEMPOROMANDIBULAR ARTHROL 1N1,1984-- FOUNDATION FOR ADVANCED RESEARCH AND TRAINING EVANS GA UNITED STATES INDEXING BEGAN WITH V2N1,1985. ON ORDER 0749-0399 SR0053453 JTC: ERO</p>	<p>INI SOCIETY FOR NURSING HISTORY GAZETTE SOC NURS HIST GAZ 1N1,1980?-- SOCIETY FOR NURSING HISTORY NEW YORK UNITED STATES IN PROCESS SR0053478 JTC: UVS SOCIETY FOR NURSING HISTORY, BOX 150-TEACHERS COLLEGE,COLUMBIA UNIVERSITY ,NEW YORK 10027</p>

TITLE CHANGES, MARCH 1985

<p>IM ANNALES D IMMUNOLOGIE ANN IMMUNOL (PARIS) 124,FEB 1973-135DN3,NOV-DEC 1984 MASSON ET CIE PARIS FRANCE FORMED BY THE UNION OF ANNALES DE L INSTITUT PASTEUR, IN PART, AND OF REVUE D IMMUNOLOGIE. COMPRISES ONE PART OF COLLECTION DES ANNALES DE L INSTITUT PASTEUR. CONTINUED BY: ANNALES DE L INSTITUT PASTEUR / IMMUNOLOGIE. W1 AN398H 0300-4910 A32175000 JTC: 58N</p>	<p>IM ANNALES DE L INSTITUT PASTEUR / IMMUNOLOGIE ANN INST PASTEUR IMMUNOL 136CN1,JAN-FEB 1985-- ELSEVIER PARIS NETHERLANDS CONTINUES: ANNALES D IMMUNOLOGIE. W1 AN345JC 0300-4910 SR0053588 JTC: 58Z</p>
	<p>IM ANNALES DE L INSTITUT PASTEUR / MICROBIOLOGIE ANN INST PASTEUR MICROBIOL 136A,1985-- ELSEVIER PARIS NETHERLANDS CONTINUES: ANNALES DE MICROBIOLOGIE W1 AN345JE 0300-5410 SR0053586 JTC: 59M</p>

- IM ANNALES DE MICROBIOLOGIE  
ANN MICROBIOL (PARIS)  
124A,1973-135BN3,NOV-DEC 1984  
MASSON ET CIE  
PARIS FRANCE  
EACH ISSUE CONSISTS OF TWO PARTS: A AND B.  
CONTINUES IN PART ANNALES DE L INSTITUT  
PASTEUR. CONTINUED BY: ANNALES DE L  
INSTITUT PASTEUR / MICROBIOLOGIE.  
WI AN373E 0300-5410  
A32835000 JTC: 5JY
- IM ANTIBIOTIKI  
ANTIBIOTIKI  
1,1956-29N12,DEC 1984  
IZDATELSTVO MEDITSINA  
MOSKVA USSR  
CONTINUED BY: ANTIBIOTIKI I MEDITSINSKAIA  
BIOTEKHNOLOGIIA.  
WI AN8582 0003-5637  
A55785000 JTC: 6GC
- IM ANTIBIOTIKI I MEDITSINSKAIA BIOTEKHNOLOGIIA  
ANTIBIOT MED BIOTEKHNOL  
1,1985--  
IZDATELSTVO MEDITSINA  
MOSKVA USSR  
CONTINUES: ANTIBIOTIKI.  
WI AN859C 0233-7525  
SR0053537 JTC: 6GE
- IM BIOLOGICAL CHEMISTRY HOPPE-SEYLER  
BIOL CHEM HOPPE SEYLER  
366N1,JAN 1985--  
WALTER DE GRUYTER  
BERLIN GERMANY, WEST  
CONTINUES: HOPPE-SEYLER'S ZEITSCHRIFT FUR  
PHYSIOLOGISCHE CHEMIE.  
WI BI733H 0177-3593  
SR0053624 JTC: AHC
- IM EXPERIMENTAL BIOLOGY  
EXP BIOL  
43N1,JUL 1984--  
SPRINGER VERLAG  
BERLIN GERMANY, WEST  
CONTINUES: REVUE CANADIENNE DE BIOLOGIE  
EXPERIMENTALE.  
WI EX47J  
SR0052892 JTC: EQ2
- IM FOLIA HISTOCHEMICA ET CYTOBIOLOGICA  
FOLIA HISTOCHEM CYTOBIOL  
22N1,1984--  
POLISH SCIENTIFIC PUBLISHERS  
WARSAWA POLAND  
CONTINUES: FOLIA HISTOCHEMICA ET  
CYTOCHEMICA.  
WI FO1812 0015-5586  
SR0053490 JTC: EZM
- IM FOLIA HISTOCHEMICA ET CYTOCHEMICA  
FOLIA HISTOCHEM CYTOCHEM (KRAKOW)  
1,1963-21N3-4,1983  
PANSTWOWE WYDAWNICTWO NAUKOWE  
WARSAWA POLAND  
OFFICIAL JOURNAL OF THE POLISH  
HISTOCHEMICAL AND CYTOCHEMICAL SOCIETY.  
CONTINUED BY: FOLIA HISTOCHEMICA ET  
CYTOBIOLOGICA.  
WI FO19 0015-5586  
F08400000 JTC: FOU
- HLI HEALTH MANAGEMENT QUARTERLY  
HEALTH MANAGE Q  
FALL 1984--  
AMERICAN HOSPITAL SUPPLY CORP. FOUNDATION  
EVANSTON IL UNITED STATES  
CONTINUES: HOSPITAL MANAGEMENT QUARTERLY.  
WI HE413Q  
SR0053511 JTC: HMS
- IM HOPPE-SEYLER'S ZEITSCHRIFT FUR  
PHYSIOLOGISCHE CHEMIE  
HOPPE SEYLER'S Z PHYSIOL CHEM  
21N2,1895-365N12,DEC 1984  
WALTER DE GRUYTER  
BERLIN GERMANY, WEST  
PUBLICATION SUSPENDED FEB. 1945-JUNE 1947.  
CONTINUES ZEITSCHRIFT FUR PHYSIOLOGISCHE  
CHEMIE. CONTINUED BY: BIOLOGICAL  
CHEMISTRY HOPPE-SEYLER.  
WI HO592 0018-4888  
HI6840000 JTC: GB3
- HLI HOSPITAL MANAGEMENT QUARTERLY  
HOSP MANAGE Q  
FALL 1979-SUMMER 1984  
AMERICAN HOSPITAL SUPPLY CORPORATION  
EVANSTON IL UNITED STATES  
CONTINUED BY: HEALTH MANAGEMENT QUARTERLY.  
INDEXING BEGAN MAY 1981.  
WI HO817CJ  
HI4495000 JTC: GCA
- IM JOGN NURSING  
INI  
JOGN NURS  
IN1,JUN 1972-13,1984  
J.B. LIPPINCOTT  
PHILADELPHIA UNITED STATES  
NURSES ASSOCIATION OF THE AMERICAN COLLEGE  
OF OBSTETRICIANS AND GYNECOLOGISTS.  
INCLUDES ITS BULLETIN FORMERLY ISSUED  
SEPARATELY. CONTINUED BY: JOURNAL OF  
OBSTETRIC, GYNECOLOGIC, AND NEONATAL  
NURSING.  
INDEXING FOR IM BEGAN WITH V7N3,1978.  
PREVIOUS ISSUES INDEXED FOR INI ONLY.  
WI J513 0090-0311  
J08320000 JTC: KS2
- IM JOURNAL OF APPLIED PHYSIOLOGY  
J APPL PHYSIOL  
58N1 JAN,1985--  
AMERICAN PHYSIOLOGICAL SOCIETY  
BETHESDA MD UNITED STATES  
CONTINUES: JOURNAL OF APPLIED PHYSIOLOGY:  
RESPIRATORY, ENVIRONMENTAL AND EXERCISE  
PHYSIOLOGY.  
WI J0542KB 8750-7587  
SR0053459 JTC: HEG
- IM JOURNAL OF APPLIED PHYSIOLOGY: RESPIRATORY,  
ENVIRONMENTAL AND EXERCISE PHYSIOLOGY  
J APPL PHYSIOL  
42,JAN,1977-57N6 DEC,1984  
AMERICAN PHYSIOLOGICAL SOCIETY  
BETHESDA MD UNITED STATES  
CONTINUES JOURNAL OF APPLIED PHYSIOLOGY.  
CONTINUED BY: JOURNAL OF APPLIED  
PHYSIOLOGY.  
WI J0542KE 0161-7567  
J13000000 JTC: HAL

<p>IM JOURNAL OF OBSTETRIC, GYNECOLOGIC, AND NEONATAL NURSING</p> <p>INI J OBSTET GYNECOL NEONATAL NURS 14N1, JAN-FEB 1985-- J.B. LIPPINCOTT PHILADELPHIA UNITED STATES CONTINUES: JOGN NURSING. W1 JO978LR 0090-0311 SR0053587 JTC: JG8</p>	<p>IM UNFALLCHIRURG UNFALLCHIRURG 88N1, JAN 1985-- SPRINGER-VERLAG BERLIN GERMANY, WEST CONTINUES: UNFALLHEILKUNDE. W1 UN103Y 0177-5537 SR0053479 JTC: UNP</p>
<p>IM REVUE CANADIENNE DE BIOLOGIE EXPERIMENTALE REV CAN BIOL EXP 41N1, MAR 1982-42N3, NOV 1983 PRESSES DE L UNIVERSITE DE MONTREAL MONTREAL CANADA CONTINUES: REVUE CANADIENNE DE BIOLOGIE. CONTINUED BY: EXPERIMENTAL BIOLOGY. W1 RE745ND 0714-6140 R41810000 JTC: RLE</p>	<p>IM UNFALLHEILKUNDE UNFALLHEILKUNDE 79, 1976-87, 1984 SPRINGER VERLAG BERLIN GERMANY, WEST CONTINUES MONATSSCHRIFT FUR UNFALLHEILKUNDE. DEUTSCHE GESELLSCHAFT FUR UNFALLHEILKUNDE. CONTINUED BY: UNFALLCHIRURG. W1 UN1035 0341-5694 U02140000 JTC: WNL</p>

TITLES NO LONGER INDEXED AS OF MARCH 1985

<p>IM ADVANCES IN SHOCK RESEARCH ADV SHOCK RES 1, 1979-10, 1983 ALAN R LISS NEW YORK UNITED STATES VOLS. FOR 1979- INCLUDE PAPERS PRESENTED AT THE 1ST- CONFERENCE ON SHOCK. INDEXING BEGAN WITH V.1, 1978. W3 AD243M 0195-878X A15320000 JTC: 2PT</p>	<p>IM RINSHO KYOBU GEKA RINSHO KYOBU GEKA 1N1, MAY 1981-4N6, NOV 1984 SHINKO KOEKI ISHO SHUPPANBU TOKYO JAPAN INDEXING BEGAN WITH V1N1, 1981. W1 RI2165RM 0389-7893 R49570000 JTC: TGO</p>
--	--

NEW SERIAL AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES - APRIL 1985

The following substantive serial titles were received or ordered by the Serial Records Section. Titles indexed for MEDLINE, HEALTH, and POPLINE are listed in the "INDEXED TITLES UPDATE" section. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement and will include price information if known. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

<p>BIOSENSORS 1N1, 1985-- ELSEVIER APPLIED SCIENCE PUBLISHERS ESSEX ENGLAND ON ORDER SR0053536 \$81.00</p>	<p>DIABETES ANNUAL 1, 1985-- ELSEVIER AMSTERDAM NETHERLANDS IN PROCESS SR0053336 \$70.50</p>
<p>CANCER REVIEWS 1N1, FEB 1985-- MUNKSGAARD COPENHAGEN DENMARK ON ORDER SR0053543 \$105.00</p>	<p>EUROPEAN JOURNAL OF POPULATION 1N1, JAN 1985-- ELSEVIER SCIENCE PUBLISHERS NEW YORK UNITED STATES ON ORDER SR0053525 \$62.00</p>

GERIATRIC MEDICINE  
 15N1, JAN 1985--  
 MODERN MEDICINE PUBLICATIONS  
 HORTON KIRBY, KENT ENGLAND  
 CONTINUES: GERIATRICS FOR GPS.  
 IN PROCESS  
 SR0053579  
 FRANKS HALL HORTON KIRBY, KENT DA4 9LL,  
 ENGLAND

INTERNATIONAL JOURNAL OF CLINICAL  
 NEUROPSYCHOLOGY  
 6N1, 1984--  
 OWENS CLINIC  
 MADISON WI UNITED STATES  
 CONTINUES: CLINICAL NEUROPSYCHOLOGY.  
 IN PROCESS  
 SR0053628  
 OWENS CLINIC, 125 WEST DOTY STREET,  
 MADISON WI 53703

INTERNATIONAL JOURNAL OF HYPERTHERMIA  
 1, 1985--  
 TAYLOR AND FRANCIS  
 LONDON ENGLAND  
 ON ORDER  
 SR0053575 \$40.00  
 TAYLOR AND FRANCIS, 4 JOHN STREET,  
 LONDON WCIN 2ET, ENGLAND

JOURNAL OF RURAL HEALTH  
 1N1, JAN 1985--  
 AMERICAN RURAL HEALTH ASSOCIATION  
 STATESBORO GA UNITED STATES  
 OFFICIAL JOURNAL OF THE AMERICAN RURAL  
 HEALTH ASSOCIATION AND THE NATIONAL RURAL  
 HEALTH CARE ASSOCIATION.  
 IN PROCESS  
 SR0053627 \$30.00  
 AMERICAN RURAL HEALTH ASSOCIATION, BOX  
 8148, GEORGIA SOUTHERN COLLEGE, STATESBORO  
 GA 30460

LANTHANIDE AND ACTINIDE RESEARCH  
 1N1, 1985--  
 VCH PUBLISHERS  
 DEERFIELD BEACH FL UNITED STATES  
 ON ORDER  
 SR0053513 \$125.00  
 VCH PUBLISHERS, 303 N.W. 12TH AVE,  
 DEERFIELD BEACH FL 33442

OCCUPATIONAL HEALTH AND SAFETY AND NEWS  
 1N1, FEB 1985--  
 STEVENS PUBLISHING  
 WACO TX UNITED STATES  
 ON ORDER  
 SR0053528 \$60.00

PRACTICAL DIABETES  
 SEP 1984--  
 ASGARD PUBLISHING  
 PETERSFIELD HANTS ENGLAND  
 ON ORDER  
 SR0053480  
 ASGARD PUBLISHING, 4A THE SQUARE,  
 PETERSFIELD HANTS, ENGLAND

PROGRESS IN LEUKOCYTE BIOLOGY  
 1, 1985--  
 LISS  
 NEW YORK UNITED STATES  
 CATALOGING IN PUBLICATION.  
 ON ORDER - CIP  
 SR0053320

PROGRESS IN SURGERY  
 1, 1984?--  
 CHURCHILL LIVINGSTONE  
 EDINBURGH SCOTLAND  
 ON ORDER  
 SR0053493  
 CHURCHILL LIVINGSTONE, STEVENSON HOUSE,  
 1-3 BAXTER PL. LEITH WALK, EDINBURGH EH1  
 3AF SCOTLAND

RECENT ADVANCES IN TROPICAL MEDICINE  
 1N1, 1984--  
 CHURCHILL LIVINGSTONE  
 EDINBURGH SCOTLAND  
 IN PROCESS  
 SR0053442  
 CHURCHILL LIVINGSTONE, ROBERT STEVENSON  
 HOUSE, 1-3 BAXTERS PLACE LEITH WALK,  
 EDINBURGH EH1 3AF SCOTLAND

SEMINARS ADOLESCENT MEDICINE  
 1, 1985--  
 THIEME-STRATTON  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0053594 \$50.00







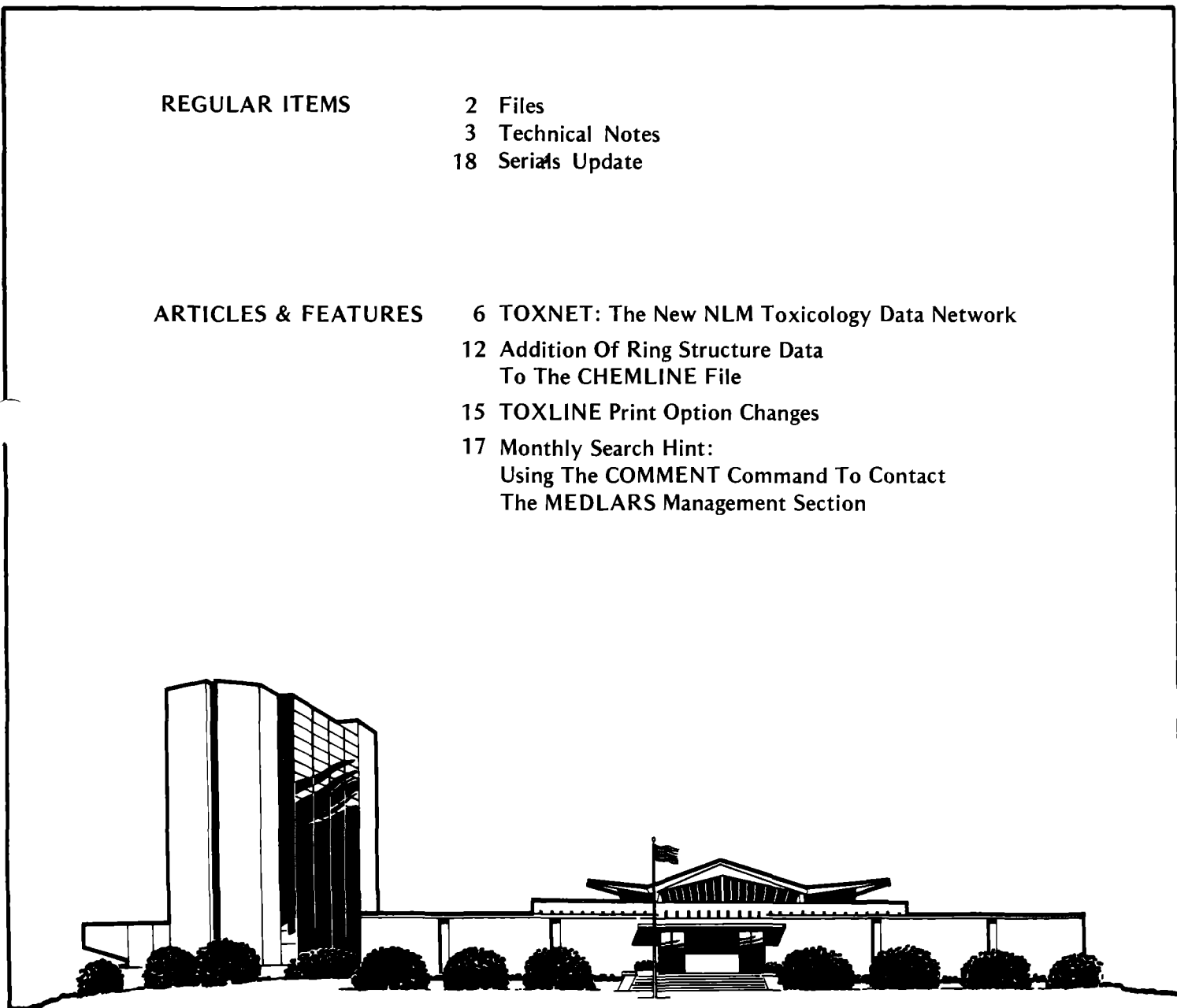
# THE NLM TECHNICAL BULLETIN

## REGULAR ITEMS

- 2 Files
- 3 Technical Notes
- 18 Serials Update

## ARTICLES & FEATURES

- 6 TOXNET: The New NLM Toxicology Data Network
- 12 Addition Of Ring Structure Data  
To The CHEMLINE File
- 15 TOXLINE Print Option Changes
- 17 Monthly Search Hint:  
Using The COMMENT Command To Contact  
The MEDLARS Management Section



Contents Not Copyrighted • Freely Reproducible

NLM TECHNICAL BULLETIN - MAY 85

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	13,346	THROUGH 1985	09 MAY 85	
BIOETHICS	18,127	JAN 73-APR 85	19 APR 85	8504(EM)
CANCERLIT	452,946	JAN 63-MAY 85	13 MAY 85	8505(EM)
CANCERPROJ	2,970	THROUGH 1984	01 APR 85	8504(EM)
CATLINE	589,682	THROUGH 1985	13 MAY 85	
CHEMLINE	631,748		30 APR 85	8504(EM)
CLINPROT	4,850		30 APR 85	8504(EM)
DIRLINE	14,816		25 MAR 85	
EXPRESS	7,384	DEC 84-APR 85	05 APR 85	8504(EM)
HEALTH	311,058	JAN 75-JUN 85	13 MAY 85	8506(EM)
HISTLINE	66,985		06 MAY 85	8505(EM)
MEDLINE	588,590	JAN 83-JUN 85	06 MAY 85	8506(EM)
MED80	804,815	JAN 80-DEC 82	08 APR 85	
MED77	775,078	JAN 77-DEC 79	04 FEB 85	
MED75	642,710	JAN 75-DEC 76	10 DEC 84	
MED71	883,895	JAN 71-DEC 74	25 MAR 85	
MED66	954,618	JAN 66-DEC 70	06 MAY 85	
MESH VOC	53,758	1985	20 MAY 85	
NAME AUTH	175,607		13 MAY 85	
POPLINE	132,691	1970-MAY 85	13 MAY 85	8505(EM)
RTECS	72,573	THROUGH JAN 85	11 MAR 85	
SDILINE	26,599	JUN 85	06 MAY 85	8506(EM)
SERLINE	63,856	1985	01 MAY 85	
TDB	4,114		28 JAN 85	
TOXLINE	580,843		20 MAY 85	8505(EM)
CBAC	333,949	1981-VOL 102(7,8,9)		
TOXBIB	124,146	1981-JUN 85		
IPA (ASHP)	28,558	1981-VOL 22 (9,10)		
HEEP	47,494	1981-VOL 14(6)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	5,937	1981-APR 1984		
TD3	16,334	1981-GRA&I (4,5)		
HMTC	563			
ILO	3,411	FEB 1985		
RPROJ/CRISP	10,016	FY 83 and 84		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXBIB	106,643	1976-1980		
IPA(ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA(ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAPAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		

Editor: Carolyn B. Tilley  
 Assistant Editor: T. Scott Plutchak  
 Technical Notes Editor: Patricia E. Healy

(301) 496-6193

Direct Inquiries to:  
 MEDLARS Management Section  
 National Library of Medicine  
 Bldg. 38A, Rm. 4N421  
 Bethesda, Maryland 20209

TECHNICAL NOTES

Whenever applicable, the heading of each Technical Note includes a reference to the section of the Online Services Reference Manual, 1982 and Supplement, 1984 that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

INDEPENDENCE DAY HOLIDAY SCHEDULE (REVISED) - Revision: The NLM computer will be up on a non-guaranteed basis on Thursday July 4, 1985, Independence Day. Non-guaranteed hours will be in effect from 11:15 pm Eastern Time (ET) on Wednesday, July 3 to 11:15 pm ET Thursday, July 4; that is, if the computer fails at any time after 11:15 pm ET July 3, it is unlikely that it will be restarted until after 11:15 pm ET July 4. The computer room will not be staffed July 4. Non-prime rates will be in effect all day. The MEDLARS Management Service Desk will not be staffed.

This availability of the computer is a change from the status of availability as announced in the holiday schedule published in the October 1984 NLM Technical Bulletin, p. 8. Previously, the computer was scheduled to be down. However, with the new round-the-clock availability of the ELHILL files (effective June 1, 1985), the computer will be up, but non-guaranteed.

ONE COPY OF ELHILL DOWN AT 7:00 PM EASTERN TIME - Reminder: Effective April 15, 1985, one copy of the ELHILL program will be taken down each weekday at 7:00 pm Eastern Time (ET) in order to begin some evening processing routines. (Usually MEDLARS® operates with three copies of the ELHILL program. ELHILL is the program which allows for the searching of MEDLINE and most of the other databases.) A broadcast message will be entered daily at 4:00 pm ET, in the only copy to be brought down, to alert users who LOGIN to that copy of the scheduled down time. If you receive the broadcast message at LOGIN, it means you are connected to the copy that will be brought down at 7:00 pm ET. You should plan to finish your search on that copy by 7:00 pm and logoff. If you do not logoff by 7:00 pm, you will automatically be disconnected. Your search environment will not be saved. You may LOGIN again, since the two other copies of ELHILL will be up and running the search system; however, the search that was being entered at disconnect will have to be entered again. Users accessing the system between 6:00 pm and 7:00 pm ET will automatically be routed to the two copies of ELHILL which will remain up and will not be affected.

- DIRECT DIAL TELEPHONE NUMBERS CHANGE - Beginning May 1985, the telephone company will begin the process of changing the direct dial telephone numbers to the NLM MEDLARS computer. The change should be complete in June 1985. The old and new numbers are:

<u>User's Modem Type</u>	<u>Old Number</u>	<u>New Number</u>
Bell Modem	(301)492-3150	(301)480-3150
Vadic Modem	(301)492-3129	(301)480-3129

Note: Only the exchange is changing (from 492 to 480). The change affects only direct dial numbers. This does not affect network numbers.

- MARCH INVOICES - March 1985 invoices, which were received by users at the beginning of May 1985, contain a credit of \$1.00 per day if the user logged into MEDLARS on March 11 or March 12, 1985 (maximum credit: \$2.00). During this two-day period, NLM ran the special LOGIN procedure for the purpose of informal information gathering.

If the logon credit of \$1.00 or \$2.00 was applied to the invoice, the totals will not add up to the "GRAND TOTAL" and the message, LOGON CRED, appears below the "GRAND TOTAL."

- CHEMLINE REGENERATION (Manual 13+) - The CHEMLINE® database has been regenerated and now contains data on 631,748 substances. Records have been updated with the latest nomenclature from Chemical Abstracts Service (CAS) and the RTECS, TDB, and MESH files. In addition, over 14,800 drug names from the publication USAN and USP Dictionary of Drug Names have been added to over 5,500 records in an important increase in scope and functionality. For more details on the CHEMLINE regeneration, please see the April 1985 NLM Technical Bulletin, p. 11.

- "POPULAR APPROACH" IN BIOETHICSLINE (Manual 21.4.3, 21.9) - A new approach-oriented Subject Caption (SC) code has been added to BIOETHICS records input since February 1984. The code is PO (meaning Popular Approach), and indicates that the document cited is from the mass media or from a journal or other publication geared to the general public. For more information on Subject Captions in BIOETHICS, please see the article "New Search Element in BIOETHICSLINE" in the January 1984 issue of the NLM Technical Bulletin.

- ABSTRACTS IN MEDLINE (Manual 7.3.1, 7.3.2) - Occasionally, MEDLARS Management receives inquiries concerning the percentage of author-generated abstracts in the MEDLINE database and its Backfiles. These percentages are:

ABSTRACTS IN MEDLINE (Continued)	<u>Database</u>	<u>Total Records</u>	<u>Total Abstracts</u>	<u>Percent</u>
	MEDLINE (8301- 8506 (EM))	588,590	344,759	59%
	MED80 (1980-82)	804,815	368,522	46%
	MED77 (1977-79)	775,078	315,412	41%
	MED75 (1975-76)	642,710	201,731	31%

Abstracts were not entered into the MEDLINE databases prior to 1975. To limit a search to citations with abstracts available online, combine the retrieval with AUTHOR (AA), e.g., 3 AND AUTHOR (AA).

CALLING  
MEDLARS  
MANAGEMENT  
ABOUT A  
PRINTOUT

- Searchers are requested to call MEDLARS Management Section (MMS) if a large output of OFFLINE print and/or OFFSEARCH print pages is expected to be generated from any User ID code; a large output is considered to be in excess of 1,000 pages. This will ensure that all searches can be processed during the allotted time schedule.

Searchers should also notify MMS when they intend to pick up searches at the National Library of Medicine or if they are arranging for special pick up of search output. The address for a search to be picked up should contain the words "WILL PICK UP" and/or other relevant information.

Notification must be made to MMS by phone the day the particular printout is requested. MMS staff will need to know the User ID code, the taskname (e.g., P1102523 or S1112320), and information about the printout, i.e., large output or pick up details.

PDQ USER  
GUIDE

- In January 1985, all users who had been assigned passwords to PDQUFS (PDQ User-Friendly System) were sent a revised PDQ User Guide. Searchers who did not receive their copy should write to Mr. Jim Carter, R.A. Bloch Building, Bethesda, Maryland 20205, or the MEDLARS Management Section. Please include a self-addressed label with your request. No postage is necessary.

PLEASE ACCESS FILE INFORM AND TYPE NEWS TO SEE THE MOST  
RECENT NEWS ITEM ONLINE!

TOXNET: THE NEW NLM TOXICOLOGY DATA NETWORK

Bruno M. Vasta  
Philip Wexler  
Specialized Information Services, NLM

The Toxicology Information Program, operated by NLM's Division of Specialized Information Services (SIS), is reaching the final stages of implementing two data banks in the broad areas of toxicology, chemistry and hazardous waste information, as the first components of the Library's new Toxicology Data Network (TOXNET) data retrieval system.

One file is an expanded version of the Toxicology Data Bank (TDB) currently in ELHILL, and retains the TDB name. The second file, known as the Hazardous Substances Data Bank (HSDB), is a broader, more comprehensive file initially containing the entire TDB content. Both of these files are maintained on a Data General Eclipse minicomputer and will be accessible to domestic MEDLARS users on the TOXNET system as of July 1, 1985. The TOXNET system will operate in parallel with the ELHILL system under MEDLARS.

Background

In the mid 1970's, NLM's Toxicology Information Program initiated the development of a data retrieval file, known as the Toxicology Data Bank (TDB), to collect, organize and disseminate information about the effects of chemical substances on human health and biological systems. This original TDB file has experienced considerable growth since its first public availability in 1978; it is currently composed of approximately 4,000 chemical records containing referenced data statements. The file is peer-reviewed by an expert panel of toxicologists, the TDB Peer Review Committee.

Starting in the early 1980's, SIS set out to improve the building and searching of the TDB by: a) streamlining the data entry and maintenance procedures used to build and update TDB records; b) expanding the number and completeness of its chemical profiles; c) increasing the permissible record length; d) utilizing new computer technologies to aid the peer review process; and e) improving the software to facilitate searching and retrieval. Through a collaborative program between SIS and the Information Technology Branch of the Library's Lister Hill Center, existing software was adapted to achieve these goals. The resultant system was named TOXNET.

An event that proved to have a significant impact on the efforts to enrich TDB content and improve the support software was the passage of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, commonly called the Superfund Act. CERCLA authorized cleanup and emergency response for hazardous substances released into the environment, and the cleanup of inactive hazardous waste disposal sites. Section 104 (i) of the Act called for the "Establishment and Maintenance of an Inventory of Literature, Research, and Studies on the Health Effects of Toxic Substances." NLM was assigned a role within the Department of Health and Human Service's (DHHS) activities under the foregoing requirement. The Library identified its publicly available chemical and toxicological files as the basis for this Inventory. It also sought to expand these files,

further improve computer capabilities for data record creation, and develop methods for providing rapid and effective access to the data.

The TOXNET system is a fully integrated software system with such modules as remote online data entry for the creation and maintenance of records; online, interactive review and editing; electronic mail/messaging; in-process control/tracking for all records; and a new search and retrieval capability. All modules are operated on a Data General Eclipse minicomputer and accessed by the Library's staff, data extraction contractors, peer review committee members, and users by direct dial service or via telecommunication networks such as GTE TELENET® and TYMNET®. Of most significance to NLM users is the search and retrieval module, which will be briefly summarized later in this article.

#### TDB and HSDB on TOXNET

Initially, the Library had planned to offer TDB with the CERCLA-related enhancements on a single database, replacing the original TDB. For various reasons it was found preferable to offer two files, both to start with information on the same 4,100 chemicals. One is the NLM-supported TDB with 96 data elements; the other is the new HSDB with 144 data elements. The data elements (or fields) in both files are arranged in the following ten broad categories (see Unit Record Descriptions, Figures 1 and 2 on pages 10 and 11):

ID	Substance Identification
MANF	Manufacturing/Use Information
CPP	Chemical and Physical Properties
SAFE	Safety and Handling
TOXB	Toxicity/Biomedical Effects
PHCY	Pharmacology
ENEX	Environmental Fate/Exposure Potential
EXSR	Exposure Standards and Regulations
MAM	Monitoring and Analysis Methods
REFS	Additional References

Data elements within each of these categories may contain one or more occurrences of data or, possibly, no data, if none are available.

Users familiar with the ELHILL TDB should note that the TOXNET TDB will continue to focus upon toxicological information and maintain a high degree of quality control through review by a committee of experts. The scope of HSDB includes and expands upon that of the TDB by providing fuller information primarily in the areas of environmental fate and exposure, standards and regulations, monitoring and analysis, and safety and handling. Data are extracted not only from the materials on the TDB source list but also from a variety of other sources, including Government documents and special reports. This more comprehensive file (HSDB) will be scientifically reviewed and edited, but short of the detailed peer review of TDB.

## Search Features

Key requirements in the creation of the search and retrieval module of TOXNET were considerable flexibility in command options and print formats, and a high degree of that often-sought and frequently elusive "user-friendliness." TOXNET offers a powerful and flexible user-friendly interface that will have two modes of access. The initial access mode, to be available in July, will closely resemble ELHILL and is intended for experienced users. Work is also underway to provide a menu-oriented access mode later this year for the novice or occasional user.

In TOXNET, search statements may be entered with or without the mnemonic qualifiers for the various fields. Searching without qualifiers retrieves occurrences of the terms from throughout the record and displays the number of postings associated with each, allowing the user to select those data elements he/she would like to view. Standard Boolean logic (AND, OR, AND NOT) is acceptable to the system.

TOXNET offers proximity searching through the use of the SAME command. This allows users to restrict their search for two or more terms to a particular occurrence within a given field. Thus, a searcher desiring information on "elevated blood pressure in cats" in the Non-human Toxicity Excerpts (NTOX) field could use the SAME command in the following manner:

```
same (ntox) cats and blood and pressure and elevated
```

This will avoid retrieving statements which may discuss epilepsy in cats in one NTOX occurrence, and elevated blood pressure in rhesus monkeys in another, both within the same record.

In TOXNET, there is no preset limitation to the number of search statements, so that one is not, for instance, required to erase all prior search statements after a certain number is reached in order to make room for more.

Online "news", "help" and "explain" messages will keep users up-to-date about new system developments and provide assistance during searches.

The new array of TOXNET print options provides great flexibility for users seeking different ways of displaying data. Of course, any combination of categories or fields can be printed by specifying them. So-called header information (i.e., the record number and the common chemical name) will generally be printed in addition to other data specified by the user. However, this and other information can be suppressed by the use of the EXCLUDE or ONLY commands. STANDARD and DETAILED are the two main preset formats. Offline prints are available. The PRT CONTINUOUS command allows users to print, without system interruption, all the data they have specified, thus overriding at the outset the CONTINUE PRINTING?(Y/N) prompt. PRINT HITS allows users to print only those specific occurrences that matched their search statement and caused retrieval of the record(s). Many other commands (e.g., COMMENT, DISPLAY, STOP, FIND, NEIGHBOR) will look familiar to NLM users. This article merely highlights those TOXNET features that are most likely to be of interest to NLM users. Complete training packages and informational brochures are being prepared and will



be distributed. Further NLM Technical Bulletin articles will cover individual commands and program messages in more detail, paying particular attention to those features which differ from their ELHILL counterparts.

The system will be available 24 hours a day, 7 days a week and should therefore satisfy a panoply of body rhythms.

The new TDB and HSDB files will be priced comparably to the \$75/hour average prime-time charge for the existing TDB.

### Future Plans

TDB and HSDB are but the first two files on TOXNET. The acquisition of other toxicology and environmental files is being explored. Near-term possibilities include moving the National Institute for Occupational Safety and Health's Registry of the Toxic Effects of Chemical Substances (RTECS) from ELHILL to TOXNET, and mounting the National Cancer Institute's Chemical Carcinogenesis Research and Information System (CCRIS) and the Environmental Protection Agency's Oil and Hazardous Materials Technical Assistance Documentation System (OHM-TADS) databases.

As mentioned earlier, a number of screens (or menus) are being developed to facilitate searching for the novice user. These screens will guide users along each step of the way, allowing them to choose from a list of items they are interested in seeing. Neither prior MEDLARS training nor other computer experience will be necessary in order to search TOXNET effectively in this mode.

\*\*\*\*\*

New Toxicology Data Bank (TDB)  
Unit Record

1.	<p><u>SUBSTANCE IDENTIFICATION</u></p> <p>TDB Number Substance Name CAS Registry Number Related TDB Records Synonyms Molecular Formula Weisser Line Notation RTECS Number</p> <p><u>MANUFACTURING/USE INFORMATION</u></p> <p>Methods of Manufacturing Formulations/Preparations Manufacturers Other Manufacturing Information Major Uses Consumption Patterns U.S. Production U.S. Imports U.S. Exports</p> <p><u>CHEMICAL &amp; PHYSICAL PROPERTIES</u></p> <p>Color/Form Odor Taste Boiling Point Melting/Freezing Point Molecular Weight Critical Temperature &amp; Pressure Density/Specific Gravity Heat of Combustion Heat of Vaporization Octanol/Water Partition Coeff. pH Solubilities Spectral Properties Surface Tension Vapor Density Vapor Pressure Viscosity Other Chemical/Physical Prop</p>	4.	<p><u>SAFE</u></p> <p><u>FLAM</u> Flammable Properties Fire Potential NFPA Hazard Classification Flammable Limits Flash Point Autoignition Temperature</p> <p><u>FIRE</u> Fire Fighting Information Fire Fighting Procedures Toxic Combustion Products</p> <p><u>HAZR</u> Hazardous Reactions Reactivities &amp; Incompatibilities Decomposition Polymerization</p> <p><u>WRNP</u> Warning Properties Odor Threshold Skin, Eye &amp; Respiratory Irritations</p> <p><u>PRVN</u> Preventive Measures Protective Equipment &amp; Clothing Other Preventive Measures</p> <p><u>SSL</u> Stability/Shelf-life Shipment Methods &amp; Regulations Storage Conditions Cleanup Methods Disposal Methods Radiation Limits &amp; Potential</p> <p><u>TOXB</u> Toxic Hazard Rating Poisoning Potential Antidote &amp; Emergency Treatment Medical Surveillance</p> <p><u>TOX</u> Toxicity Excerpts Human Toxicity Excerpts Non-human Toxicity Excerpts</p> <p><u>TOXV</u> Toxicity Values Human Toxicity Values Non-human Toxicity Values Ecotoxicity Values Minimum Fatal Dose Level Populations at Special Risk</p>	5.	<p><u>TOXB</u></p> <p><u>PHMK</u> Pharmacokinetics Absorption, Distribution &amp; Excretion Metabolism/Metabolites Biological Half-Life Mechanism of Action Interactions</p> <p><u>PHCY</u></p> <p><u>PHARM</u> Pharmacology Bioreactivity Therapeutic Uses Drug Warnings Drug Idiosyncrasies Drug Tolerance Maximum Drug Dose</p> <p><u>ENEX</u></p> <p><u>ENVIRON</u> Environmental Fate/Exposure Potential</p> <p><u>HUEX</u> Human Exposure Probable Routes of Human Exposure Average Daily Intake Probable Exposures Body Burden</p> <p><u>EXSR</u></p> <p><u>EXPOSURE</u> Standards &amp; Regulations Immediately Dangerous to Life or Health Acceptable Daily Intakes Allowable Tolerances Occupational Permissible Levels OSHA Standards NIOSH Recommendations Threshold Limit Value Other Occupational Permissible Levels</p> <p><u>MONIT</u> Monitoring and Analysis Methods Sampling Procedures Analytic Procedures Clinical Laboratory Methods</p> <p><u>REFS</u> Additional References Special Reports Test Status</p>
2.	<p><u>MANF</u></p> <p><u>MMFG</u> Methods of Manufacturing Formulations/Preparations Manufacturers Other Manufacturing Information Major Uses Consumption Patterns U.S. Production U.S. Imports U.S. Exports</p> <p><u>CHEMICAL &amp; PHYSICAL PROPERTIES</u></p> <p>Color/Form Odor Taste Boiling Point Melting/Freezing Point Molecular Weight Critical Temperature &amp; Pressure Density/Specific Gravity Heat of Combustion Heat of Vaporization Octanol/Water Partition Coeff. pH Solubilities Spectral Properties Surface Tension Vapor Density Vapor Pressure Viscosity Other Chemical/Physical Prop</p>	3.	<p><u>CPP</u></p> <p><u>COFO</u> Color/Form Odor Taste Boiling Point Melting/Freezing Point Molecular Weight Critical Temperature &amp; Pressure Density/Specific Gravity Heat of Combustion Heat of Vaporization Octanol/Water Partition Coeff. pH Solubilities Spectral Properties Surface Tension Vapor Density Vapor Pressure Viscosity Other Chemical/Physical Prop</p>		

May 1985

Figure 1

Hazardous Substances Data Bank (HSDB)  
Unit Record

1. • SUBSTANCE IDENTIFICATION  
 TDB Number  
 Substance Name  
 CAS Registry Number  
 Related TDB Records  
 Synonyms  
 Molecular Formula  
 Wiswesser Line Notation  
 RTECS Number  
 OHSATIS Number  
 Shipping Name/Number  
 Std. Transportin Number  
 EPA Hazardous Waste No.
2. • MANUFACTURING/USE INFORMATION  
 Methods of Manufacturing  
 Impurities  
 Formulations/Preparations  
 Manufacturer's  
 Other Manufacturing Information  
 Major Uses  
 Consumption Patterns  
 U.S. Production  
 U.S. Imports  
 U.S. Exports
3. • CHEMICAL & PHYSICAL PROPERTIES  
 Color/Form  
 Odor  
 Taste  
 Boiling Point  
 Melting/Freezing Point  
 Molecular Weight  
 Corrosivity  
 Critical Temperature & Pressure  
 Density/Specific Gravity  
 Dissociation Constants  
 Heat of Combustion  
 Heat of Vaporization  
 Octanol/Water Partition Coeff.  
 pH  
 Solubilities  
 Spectral Properties  
 Surface Tension  
 Vapor Density  
 Vapor Pressure  
 Relative Evaporation Rate  
 Viscosity  
 Other Chemical/Physical Prop.
4. • SAFETY & HANDLING  
 Hazards Summary  
 DOT Emergency Guidelines  
 Flammable Properties  
 Fire Potential  
 NFPA Hazard Classification  
 Flammable Limits  
 Flash Point  
 Autoignition Temperature  
 Fire Fighting Information  
 Fire Fighting Procedures  
 Intensity of Heat  
 Toxic Combustion Products  
 Other Firefighting Hazards  
 Explosive Limits & Potential  
 Hazardous Reactions  
 Reactivities & Incompatibilities  
 Decomposition  
 Polymerization  
 Other Hazardous Reactions  
 Warning Properties  
 Odor Threshold  
 Skin, Eye & Respiratory Irritations  
 Preventive Measures  
 Protective Equipment & Clothing  
 Other Preventive Measures  
 Stability/Shelf-life  
 Shipment Methods & Regulations  
 Storage Conditions  
 Cleanup Methods  
 Disposal Methods  
 Radiation Limits & Potential
5. • TOXICITY/BIOLOGICAL EFFECTS  
 Toxicity Summary  
 Toxic Hazard Rating  
 Poisoning Potential  
 Antidote & Emergency Treatment  
 Medical Surveillance  
 Toxicity Excerpts  
 Human Toxicity Excerpts  
 Non-human Toxicity Excerpts  
 Toxicity Values  
 Human Toxicity Values  
 Non-human Toxicity Values  
 Ecotoxicity Values  
 Minimum Fatal Dose Level  
 Populations at Special Risk
5. • TOXICITY/BIOLOGICAL EFFECTS (cont)  
 Pharmacokinetics  
 Absorption, Distribution  
 & Excretion  
 Metabolism/Metabolites  
 Biological Half-Life  
 Mechanism of Action  
 Interactions  
 PHARMACOLOGY  
 Bioreactivity  
 Therapeutic Uses  
 Drug Warnings  
 Drug Idiosyncrasies  
 Drug Tolerance  
 Maximum Drug Dose  
 ENVIRONMENTAL FATE/EXPOSURE POTENTIAL  
 Environmental Fate/Exposure Summary  
 Pollution Sources  
 Naturally Occurring Sources  
 Artificial Sources  
 Environmental Fate  
 (Atmospheric, Terrestrial, & Aquatic)  
 Environmental Transformations  
 Biodegradation  
 Abiotic Degradation  
 Environmental Transport  
 Bioconcentration  
 Soil Adsorption/Mobility  
 Volatilization from Water/Soil  
 Environmental Concentrations  
 Water Concentration  
 Effluent Concentrations  
 Sediment/Soil Concentrations  
 Atmospheric Concentrations  
 Food Survey Values  
 Plant Concentrations  
 Fish/Seafood Concentrations  
 Animal Concentrations  
 Milk Concentrations  
 Other Environmental Concentrations  
 Human Exposure  
 Probable Routes of Human Exposure  
 Average Daily Intake  
 Probable Exposures  
 Body Burden
8. • EXPOSURE STANDARDS & REGULATIONS  
 Immediately Dangerous to Life or Health  
 Acceptable Daily Intakes  
 Allowable Tolerances  
 Occupational Permissible Levels  
 OSHA Standards  
 NIOSH Recommendations  
 Threshold Limit Value  
 Other Occupational Permissible Levels  
 Other Standards and Regulations  
 Water Standards  
 Atmospheric Standards  
 Soil Standards  
 CERCLA Reportable Quantities  
 TSCA Requirements  
 RCRA Requirements  
 FIFRA Requirements  
 FDA Requirements
9. • MONITORING AND ANALYSIS METHODS  
 Sampling Procedures  
 Analytic Procedures  
 Clinical Laboratory Methods
10. • ADDITIONAL REFERENCES  
 Special Reports  
 On-line Databases  
 Test Status  
 Prior History of Accidents

Figure 2

ADDITION OF RING STRUCTURE DATA TO THE CHEMLINE FILE

Kenneth Alan Collins, Ph.D.  
Specialized Information Services, NLM

All CHEMLINE records containing cyclic structures that were input from the time the file went up through 1982 include ring structure data as part of the record. These data were supplied by the Chemical Abstracts Service (CAS). As of 1983, however, CAS discontinued supplying ring data to NLM (as well as to other database creators and vendors) under its contractual arrangements to update CHEMLINE with new chemical records. At the time, NLM did not have the resources to code these missing data and add them to CHEMLINE. With the passage of time, the ability to search the file via the ring data elements became compromised by the fact that retrieval would probably be incomplete.

The first concrete result of the effort to furnish ring structure data omitted from post-1982 CHEMLINE records became apparent as a result of the April 1985 regeneration of the CHEMLINE file. Among other important enhancements, such as the addition to the file of synonyms taken from the 1985 publication, USAN and the USP Dictionary of Drug Names, ring structure data were added to 9,172 records previously lacking them. These ring-containing records come from the first and second CHEMLINE file updates of 1983. (For a discussion of all CHEMLINE enhancements, see the April 1985 NLM Technical Bulletin.)

Having accumulated a sizable backlog, NLM established a contract in late 1984 to code and key into machine-readable form the ring data elements for each chemical substance added to the CHEMLINE file since the start of 1983. This project is being carried out using CAS-furnished structural diagrams of cyclic compounds added to CHEMLINE when the file is updated, approximately bimonthly. Ring data consist of four related data elements in the CHEMLINE unit record: Number of Rings (NR); Ring Size (RS); Ring Elemental Analysis (RE); and Component Line Formula (CL). Although searching in CHEMLINE via ring data is still likely to result in incomplete retrieval, a start has been made. At the present time, ring structures are being coded at a rate greater than the rate at which new structure-containing records are being received so that the backlog is being reduced.

The ring data elements permit a user to specify characteristics of a particular "ring system" that he/she wishes to find present in compounds of interest. A "ring system" may contain one or more "component", i.e., individual rings, defined as closed rings which share at least one atom in common.

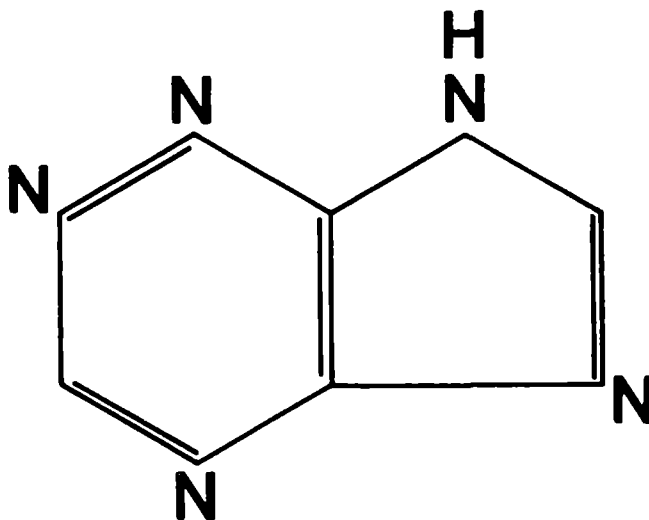
The ring data elements are defined as follows:

1. NR (Number of Rings) specifies the number of component rings in the ring system.
2. RS (Ring Size) lists the total number of atoms in the skeleton of each component ring (excluding hydrogen).

3. RE (Ring Elemental Analysis) states how many of each type of atom are present in each component ring of a ring system (excluding hydrogen).
4. CL (Component Line Formula) is present only for component rings with a ring size between 4 and 8 in which there are at least two non-carbon atoms present. It indicates the arrangement of atoms around the component ring.

Note that when searching, if enough information is available to specify RE, then NR and RS need not be included in the search. This is because RE implicitly embeds all information found in NR and RS. None of the ring data elements require use of mnemonics for searching. All the same, it is frequently helpful to include mnemonics in a search statement for the sake of clarity. The RS, RE, and CL data elements can also be searched as fragments, similar to Molecular Formula Fragments (MF) and Name Fragments (NF).

Using ring data to carry out substructure (i.e., generic) searches can often result in more exhaustive retrieval than Name Fragment searching. Compare the following two searches on all compounds containing the purine substructure, which is illustrated below. (The number of postings shown is correct as of April 30, 1985).



```
SS 1 /C?
USER:
(nf) all purin#
```

```
PROG:
SS (1) PSTG (5820)
```

```
SS 2 /C?
USER:
(re) c3n2-c4n2 and ncnc2.ncnc3 (c1)
```

```
PROG:
SS (2) PSTG (8151)
```

Both searches retrieve substances containing the purine ring system. The first search uses the Name Fragments "purin" (as in "purin-2-ol," etc.) and "purine." The second search uses the combination of Ring Elemental Analysis and Component Line Formula to describe the ring structure of the purine ring system. Using ring data retrieved more records because not all substances containing the purine ring system have the words "purin" or "purine" as part of the name. Other substances include the purine ring system without specifically mentioning purine in the name, i.e., they include name fragments such as "adenosine" instead. These substances are lost in a name fragment search. However, the ring structure data elements remain the same, and characterize the purine ring structure, no matter what the name of the substance.

Specialized Information Services (SIS) has prepared a detailed manual on coding ring data for the use of its contractor. As the same rules which apply to coding ring data apply to entering ring data for searching, SIS is adapting this in-house document for use by searchers. Since the current CHEMLINE User's Guide, the revised CHEMLINE User's Guide (expected to be available sometime in mid-1985), and the Online Services Reference Manual do not cover ring data in great detail, this special publication on ring data will be particularly useful to searchers who wish to do generic or substructure searching based on ring data. Searchers who would like a copy should write to the following address, or call (301) 496-1131:

Chemical Information Services Section  
 Specialized Information Services (SIS)  
 National Library of Medicine  
 38A/3N314  
 Bethesda, MD 20209  
 Attn: Dr. Kenneth A. Collins

SIS welcomes all comments, in writing or by telephone, on users' experiences with ring data in CHEMLINE.

\*\*\*\*\*

NOTICE

The DIRLINE Self-Instructional Guide, mailed to users with the February 1985 NLM Technical Bulletin, includes as an example a record for the National Health Standards and Quality Information Clearinghouse (NHSQIC). Please be advised that the NHSQIC is no longer in operation. Information requests made to the telephone number or address listed in the guide cannot be honored. We regret any inconvenience this may have caused.

TOXLINE PRINT OPTION CHANGES

Susan Hawk  
Specialized Information Services, NLM

Effective May 13, 1985 there were two changes in the print option for TOXLINE , TOXBACK76, and TOXBACK65. First, "PRINT AR," which has been available in MEDLINE, its Backfiles, POPLINE, and HEALTH, can now be used in TOXLINE and its Backfiles. PRINT AR lists the following data elements: AU (Author), CN (Corporate Name), TI (Title), SI (Secondary Source ID), SA (Supporting Agency), SO (Source), and AB (Abstract).

Second, the Supporting Agency (SA) field will print in the Standard, Full, Detailed, and PRINT AR formats. Printing the SA field should help those users who want more information about the research projects cited in the RPROJ subfile of TOXLINE.

Searchers who have automatic SDIs from the TOXLINE file should keep in mind that the SA will now print in all the standard ranges and has been added to the T601-700 range. Users may want to include SA in the user-specified print options for the T701-800 range, or define this range to be PRINT AR. In addition, Corporate Name (CN) will now also print in the T601-700 range.

Please see the TOXLINE Unit Record on the following page which incorporates the changes and can be removed for use as a replacement page for your Online Services Reference Manual.

\*\*\*\*\*

TOXLINE UNIT RECORD

The unit record in TOXLINE consists of twenty-six (26) data elements. Each is identifiable to ELHILL by a two or three character mnemonic. While the record length is fixed, the data element lengths are variable. Some records have multiple occurrences of certain data elements and some records do not contain every data element. Each element can be searchable, printable, or both. The table below indicates the basic characteristics of the available data elements.

TOXLINE UNIT RECORD

SEARCH STATUS	DATA ELEMENT	MNEM	PRINT OPTIONS			
			S D	F U	D L	A R
TW	Abstract	AB	-	X	X	X
	Address	AD	-	X	X	-
*	Author	AU	X	X	X	X
*	Award Type	AW	-	-	X	-
*	Classification Code	CC	-	-	X	-
*	Coden	CD	-	-	X	-
*,TW	Corporate Name	CN	X	X	X	X
*	Country or State	CY	-	-	X	-
*	Data Tags	DTG	-	-	X	-
*,R	Entry Month	EM	-	-	X	-
*	Identification Number	ID	-	-	X	-
*	International Standard Serial Number	IS	-	-	X	-
*,TW	Keywords	KW	-	-	X	-
*	Language	LA	-	X	X	-
	Order Number	OD	-	X	X	-
	Price	PR	-	X	X	-
*	Publication Type	PT	-	-	X	-
*	CAS Registry Number	RN	-	-	X	-
	Supporting Agency	SA	X	X	X	X
*	Secondary Source ID	SI	X	X	X	X
	Source	SO	X	X	X	X
TW	Title	TI	X	X	X	X
	Initial Year	Y1	-	-	X	-
	Final Year	Y2	-	-	X	-
*,R	Year (part of Source Field)	YR	-	-	-	-
*	Zip Code	ZP	-	-	X	-

- \* indicates the element is directly searchable
- TW indicates the element is textextracted and is searchable via Text Words
- R indicates the element is rangeable



MONTHLY SEARCH HINT:  
 USING THE COMMENT COMMAND  
 TO CONTACT THE MEDLARS MANAGEMENT SECTION

T. Scott Plutchak  
 Assistant Editor, NLM Technical Bulletin

Now that NLM has expanded its hours of computer service, searchers may occasionally find themselves with a question concerning the system during a time that the MMS Service Desk is not staffed. (The MMS Service Desk is staffed Monday through Friday from 8:30 am to 5:00 pm Eastern Time (ET)). The COMMENT command provides a useful mechanism for communicating with NLM at any time the searcher is online. Messages entered using the COMMENT command are retrieved by MMS staff twice a day, at 9:00 am and 4:00 pm ET. Staff will attempt to contact the searcher with a response the same day or the next working day. The following example clarifies use of the COMMENT command.

SS 3 /C?  
 USER:  
 comment  
 PROG:  
 REPLY? (YES/NO)

Type the word COMMENT at any 'USER:' prompt.

USER:  
 y  
 PROG:  
 NAME & TELEPHONE NUMBER:

Be sure to answer 'yes' to the 'REPLY' query if a response from MMS is desired.

USER:  
 thomas witte 414/231-3497  
 PROG:  
 ADDRESS?

If a phone number is provided, MMS staff can call as soon as possible with an answer.

USER:  
 809 powers  
 PROG:  
 CITY, STATE (PLEASE DO NOT ABBREVIATE), AND ZIP-

Be sure to provide a complete mailing address also.

USER:  
 oshkosh wisconsin 54901  
 PROG:  
 CONT. OR FINISHED-

Do not enter 'CONT.' This prompt means simply enter the comment line-by-line.

USER:  
 why don't i get abstracts for searches that I do  
 PROG:  
 CONT. OR FINISHED-

USER:  
 in the early backfiles?  
 PROG:  
 CONT. OR FINISHED-

(Note: The answer to this search question can be found in this issue's Technical Notes.)

USER:  
 finished  
 PROG:

After the comment is complete, enter 'FINISHED' (or 'DONE') to return to the search statement prompt.

SS 3 /C?  
 USER:

\*\*\*\*\*

NLM EXPANDS AUDIOVISUAL INTERLIBRARY LOAN

Beginning in April 1985 for a one-year trial period, all audiovisuals in the NLM AVLINE collection will be available for interlibrary loan through established NLM loan procedures. Previously, only 3/4-inch videocassettes were loaned. An NLM fact sheet is available which fully explains the policies and procedures for borrowing material from the NLM collection. For more information specifically on audiovisual titles, contact the Audiovisual Resources Section, National Library of Medicine, 8600 Rockville Pike, Bethesda MD 20209, (301) 496-4244.

SERIALS UPDATE

INDEXED TITLES UPDATE, MAY 1985

The following titles cited in MEDLINE, HEALTH, and POPLINE have recently been selected for indexing, deselected, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last UPDATE. More detailed information about each title may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, APRIL 1985

- |  |   |
|--|---|
| <p>IM BIORHEOLOGY. SUPPLEMENT<br/>BIORHEOLOGY (SUPPL)<br/>1,1984--<br/>PERGAMON PRESS<br/>NEW YORK UNITED STATES<br/>INDEXING BEGAN WITH N1,1984.<br/>W1 BI893<br/>SR0053771 JTC: BIS</p>  | <p>IDL ENDODONTICS AND DENTAL TRAUMATOLOGY<br/>ENDOD DENT TRAUMATOL<br/>IN1,FEB 1985--<br/>MUNKSGAARD<br/>COPENHAGEN DENMARK<br/>INDEXING BEGAN WITH V1N1,FEB 1985.<br/>ON ORDER<br/>SR0052262 JTC: EHD</p>   |
| <p>IDL COMMUNITY DENTAL HEALTH<br/>COMMUNITY DENT HEALTH<br/>IN1,MAR 1984--<br/>JOHN LIBBEY<br/>LONDON ENGLAND<br/>PUBLISHED IN COLLABORATION WITH THE BRITISH<br/>ASSOCIATION FOR THE STUDY OF COMMUNITY<br/>DENTISTRY.<br/>INDEXING BEGAN WITH V1N1,MAR 1984.<br/>W1 C0428H 0265-539X<br/>C33080000 JTC: CDH</p> | <p>INI GERIATRIC NURSING<br/>GERIATR NUR (LONDON)<br/>IN1,1981?--<br/>BRAILLIERE TINDALL<br/>LONDON ENGLAND<br/>INDEXING BEGAN WITH VOL.5 NO.1,1985.<br/>IN PROCESS 0262-5024<br/>SR0053749 JTC: GES<br/>BAILLIERE TINDALL, JOURNAL SUBSCRIPTION<br/>DEPARTMENT, 1 VINCENT SQUARE, LONDON<br/>SWIP 2PN, ENGLAND</p> |
| <p>IDL DENTAL MATERIALS<br/>DENT MATER<br/>IN1,FEB 1985--<br/>MUNKSGAARD<br/>COPENHAGEN DENMARK<br/>OFFICIAL PUBLICATION OF THE ACADEMY OF<br/>DENTAL MATERIALS.<br/>INDEXING BEGAN WITH V1N1,FEB 1985.<br/>ON ORDER<br/>SR0052257 JTC: E84</p>  | <p>IDL GERODONTICS<br/>GERODONTICS<br/>IN1,FEB 1985--<br/>MUNKSGAARD<br/>COPENHAGEN DENMARK<br/>INDEXING BEGAN WITH V1N1,FEB 1985.<br/>ON ORDER 0109-565X<br/>SR0052163 JTC: FAE</p>  |

<p>HLI HOSPICE JOURNAL HOSP J 1N1, SPRING 1985-- HAWORTH PRESS BINGHAMTON NY UNITED STATES INDEXING BEGAN WITH VINI, 1985. ON ORDER 0742-969X SR0053907 JTC: GCC THE HAWORTH PRESS, INC., 75 GRISWOLD STREET, BINGHAMTON NY 13904</p>	<p>HLI JOURNAL OF HEALTHCARE PROTECTION MANAGEMENT J HEALTHC PROT MANAGE 1984-- INTERNATIONAL ASSOCIATION FOR HOSPITAL SECURITY LOMBARD IL UNITED STATES ON ORDER SR0053757 JTC: GB9 JOURNAL OF HEALTHCARE PROTECTION MANAGEMENT, P.O. BOX 190, PORT WASHINGTON, NY 11050</p>
---	---

HLI LONG TERM CARE  
LONG TERM CARE (DON MILLS)  
1N1, MAR 1985--  
SOUTHAM BUSINESS PUBLICATIONS  
DON MILLS ONTARIO CANADA  
WITH SEMIANNUAL ISSUES OF: HEALTH CARE,  
VOL. 27, NO. 2 (MAR. 1985)- .  
INDEXING BEGAN WITH VINI, MAR 1985.  
WI HE298N V.27 NO.2 ETC 0316-2141  
SR0053882 JTC: LON

TITLE CHANGES, APRIL 1985

INI ALUMNAE MAGAZINE; COLUMBIA  
UNIVERSITY-PRESBYTERIAN HOSPITAL SCHOOL OF  
NURSING ALUMNAE ASSOCIATION  
ALUMNAE MAG (NY)  
1N1, 1906-79N1, 1984  
COLUMBIA UNIVERSITY HOSPITAL SCHOOL OF  
NURSING. ALUMNAE ASSOCIATION  
NEW YORK UNITED STATES  
CONTINUED BY: ALUMNI MAGAZINE / COLUMBIA  
UNIVERSITY-PRESBYTERIAN HOSPITAL SCHOOL OF  
NURSING ALUMNI ASSOCIATION.  
WI AL996N  
A22335000 JTC: 3B4

IM COMPTES RENDUS DE L ACADEMIE DES SCIENCES.  
SERIE III, SCIENCES DE LA VIE  
C R ACAD SCI [III]  
298N1, JAN 7 1984--  
GAUTHIER VILLARS  
PARIS FRANCE  
CONTINUES: COMPTES RENDUS DES SEANCES DE L  
ACADEMIE DES SCIENCES. SERIE III, SCIENCES  
DE LA VIE.  
WI C0454T 0249-6313  
SR0053642 JTC: CA1

INI ALUMNI MAGAZINE / COLUMBIA  
UNIVERSITY-PRESBYTERIAN HOSPITAL SCHOOL OF  
NURSING ALUMNI ASSOCIATION  
ALUMNI MAG COLUMBIA UNIV PRESBYT HOSP SCH  
NURS  
80N1, WINTER 1985--  
COLUMBIA UNIVERSITY-PRESBYTERIAN SCHOOL OF  
NURSING ALUMNI ASSOCIATION  
NEW YORK UNITED STATES  
CONTINUES: ALUMNAE MAGAZINE; COLUMBIA  
UNIVERSITY-PRESBYTERIAN HOSPITAL SCHOOL OF  
NURSING ALUMNAE ASSOCIATION.  
IN PROCESS  
SR0053891 JTC: 3B8

IM COMPTES RENDUS DES SEANCES DE L ACADEMIE  
DES SCIENCES. SERIE III, SCIENCES DE LA VIE  
C R SEANCES ACAD SCI [III]  
292N1, JAN 1981-297N13, DEC 1983  
GAUTHIER VILLARS  
MONTREUIL FRANCE  
CALLED ALSO: COMPTES RENDUS HEBDOMADAIRES  
DES SEANCES DE L ACADEMIE DES SCIENCES.  
SERIE III, SCIENCES DE LA VIE. CONTINUES  
COMPTES RENDUS DES SEANCES DE L ACADEMIE  
DES SCIENCES. SERIE D, SCIENCES  
NATURELLES. CONTINUED BY: COMPTES RENDUS  
DE L ACADEMIE DES SCIENCES. SERIE III,  
SCIENCES DE LA VIE.  
WI C0455QD 0249-6313  
C35310000 JTC: CA4

IM BONE  
BONE  
6N1, 1985--  
PERGAMON PRESS AND S.N.P.M.D  
NEW YORK UNITED STATES  
CONTINUES: METABOLIC BONE DISEASE AND  
RELATED RESEARCH.  
IN PROCESS 8756-3282  
SR0053908 JTC: ASR

HLI INDICATOR  
INDICATOR  
VINI, MAR 1985--  
MEDICAL-SURGICAL DIVISION/3M  
ST PAUL MN UNITED STATES  
WITH: JOURNAL OF HOSPITAL SUPPLY,  
PROCESSING AND DISTRIBUTION. CONTINUES:  
INFECTION CONTROL ROUNDS.  
IN PROCESS  
SR0053914 JTC: GK5

- HLI INFECTION CONTROL ROUNDS  
INFECT CONTROL ROUNDS  
1,1977-8N1,MAY 1983  
MEDICAL PRODUCTS DIVISION/3M  
ST PAUL MN UNITED STATES  
V.3 NO.2, OCT. 1979 MISNUMBERED V.3 NO.1,  
OCT. 1979. CONTINUED BY: INDICATOR.  
W1 IN406HI  
II2920000 JTC: DM4
- IM JOURNAL OF BASIC MICROBIOLOGY  
J BASIC MICROBIOL  
25N1,1985--  
AKADEMIE VERLAG  
BERLIN GERMANY, EAST  
CONTINUES: ZEITSCHRIFT FUR ALLGEMEINE  
MIKROBIOLOGIE.  
W1 J0553 0233-111X  
SR0053862 JTC: JOT
- IM JOURNAL OF RHEUMATOLOGY. SPECIAL ISSUE  
J RHEUMATOL (SPEC ISSUE)  
N10,NOV 1983--  
TORONTO CANADA  
CONTINUES: JOURNAL OF RHEUMATOLOGY.  
SUPPLEMENT.  
IN PROCESS  
SR0053946 JTC: JRO
- IM JOURNAL OF RHEUMATOLOGY. SUPPLEMENT  
J RHEUMATOL (SUPPL)  
N1,1974-N9,AUG 1983  
JOURNAL OF RHEUMATOLOGY PUBLISHING COMPANY  
TORONTO CANADA  
CONTINUED BY: JOURNAL OF RHEUMATOLOGY.  
SPECIAL ISSUE.  
W1 J087HD 0380-0903  
J37280000 JTC: JWY
- IM METABOLIC BONE DISEASE AND RELATED RESEARCH  
METAB BONE DIS RELAT RES  
1,1978-5N6,1984  
S.N.P.M.D. AND PERGAMON PRESS  
PARIS FRANCE  
CONTINUED BY: BONE.  
INDEXING BEGAN WITH V.3,N.1,1980.  
W1 ME961L 0221-8747  
M31840000 JTC: MUE
- HLI ORGANIZATIONAL BEHAVIOR AND HUMAN DECISION  
PROCESSES  
ORGAN BEHAV HUM DECIS PROCESS  
35N1,FEB 1985--  
ACADEMIC PRESS  
NEW YORK UNITED STATES  
CONTINUES: ORGANIZATIONAL BEHAVIOR AND  
HUMAN PERFORMANCE.  
IN PROCESS  
SR0052180 JTC: PCL
- HLI ORGANIZATIONAL BEHAVIOR AND HUMAN  
PERFORMANCE  
ORGAN BEHAV HUM PERFORM  
1,1966-34N3,DEC 1984  
ACADEMIC PRESS  
NEW YORK UNITED STATES  
CONTINUED BY: ORGANIZATIONAL BEHAVIOR AND  
HUMAN DECISION PROCESSES.  
W1 OR663G 0030-5073  
O09920000 JTC: OK6
- IM PROCEEDINGS OF THE EUROPEAN DIALYSIS AND  
TRANSPLANT ASSOCIATION  
PROC EUR DIAL TRANSPLANT ASSOC  
1,1964;6,1969-19,1983  
PITMAN PUBLISHING  
LONDON ENGLAND  
PROCEEDINGS OF THE 1965-68 CONGRESSES  
ISSUED IN THE EXCERPTA MEDICA INTERNATIONAL  
CONGRESS SERIES. 1969- CALLED ALSO DIALYSIS  
AND RENAL TRANSPLANTATION. CONTINUED BY:  
PROCEEDINGS OF THE EUROPEAN DIALYSIS AND  
TRANSPLANT ASSOCIATION -EUROPEAN RENAL  
ASSOCIATION.  
W3 EU877 0071-2736  
P34300000 JTC: PT4
- IM PROCEEDINGS OF THE EUROPEAN DIALYSIS AND  
TRANSPLANT ASSOCIATION - EUROPEAN RENAL  
ASSOCIATION  
PROC EUR DIAL TRANSPLANT ASSOC EUR REN ASSOC  
20TH,1983--  
PITMAN PUBLISHING  
LONDON ENGLAND  
CONTINUES: PROCEEDINGS OF THE EUROPEAN  
DIALYSIS AND TRANSPLANT ASSOCIATION.  
W1 EU626R 0308-9401  
SR0053818 JTC: PQS
- IM SCHWEIZER ARCHIV FUR NEUROLOGIE,  
NEUROCHIRURGIE UND PSYCHIATRIE  
SCHWEIZ ARCH NEUROL NEUROCHIR PSYCHIATR  
84,1959-135N2,1984  
ORELL FUSSLI  
ZURICH SWITZERLAND  
CONTINUES SCHWEIZER ARCHIV FUR NEUROLOGIE  
UND PSYCHIATRIE. CONTINUED BY: SCHWEIZER  
ARCHIV FUR NEUROLOGIE UND PSYCHIATRIE.  
W1 SC393 0036-7273  
S10540000 JTC: UDS
- IM SCHWEIZER ARCHIV FUR NEUROLOGIE UND  
PSYCHIATRIE  
SCHWEIZ ARCH NEUROL PSYCHIATR  
136N1,1985--  
ORELL FUSSLI  
ZURICH SWITZERLAND  
CONTINUES: SCHWEIZER ARCHIV FUR NEUROLOGIE,  
NEUROCHIRURGIE UND PSYCHIATRIE.  
W1 SC392Z 0036-7273  
SR0053764 JTC: UEX
- IM TROPENMEDIZIN UND PARASITOLOGIE  
TROPENMED PARASITOL  
25,1974-35N4,DEC 1984  
GEORG THIEME VERLAG  
STUTTGART GERMANY, WEST  
CONTINUES ZEITSCHRIFT FUR TROPENMEDIZIN UND  
PARASITOLOGIE. DEUTSCHE TROPENMEDIZINISCHE  
GESELLSCHAFT. CONTINUED BY: TROPICAL  
MEDICINE AND PARASITOLOGY.  
W1 TR876 0303-4208  
T21060000 JTC: WGM
- IM TROPICAL MEDICINE AND PARASITOLOGY  
TROP MED PARASITOL  
36N1,MAR 1985--  
GEORG THIEME VERLAG  
STUTTGART GERMANY, WEST  
CONTINUES: TROPENMEDIZIN UND PARASITOLOGIE.  
W1 TR882 0177-2392  
SR0053797 JTC: TRP

IM ZEITSCHRIFT FUR ALLGEMEINE MIKROBIOLOGIE  
 Z ALLG MIKROBIOL  
 1,1960-24N10,1984  
 AKADEMIE VERLAG  
 BERLIN GERMANY, EAST  
 CONTINUED BY: JOURNAL OF BASIC  
 MICROBIOLOGY.  
 W1 ZE2305 0044-2208  
 Z02360000 JTC: XSG

(The Following Title Has Been Recataloged. The Former Entry Was "Medecine Et Informatique.  
 Medical Informatics." The Title Abbreviation And JC Have Not Changed.)

IM MEDICAL INFORMATICS  
 HLI  
 MED INF (LONDON)  
 1,1976--  
 TAYLOR AND FRANCIS  
 LONDON ENGLAND  
 INDEXING BEGAN WITH V.3, N.1, 1978  
 W1 ME342C 0307-7640  
 M10400000 JTC: LU9

TITLES NO LONGER INDEXED AS OF APRIL 1985

IDL PROCEEDINGS OF THE BRITISH PAEDODONTIC  
 SOCIETY  
 PROC BR PAEDOD SOC  
 1,1971-15,1985?  
 BRITISH PAEDODONTIC SOCIETY  
 HOUNSLOW ENGLAND  
 SUPERSEDES JOURNAL OF PAEDIATRIC DENTISTRY  
 W1 PR5847S 0308-4922  
 P31540000 JTC: PS9

IM RIVISTA DI EMOTERAPIA ED IMMUNOEMATOLOGIA  
 RIV EMOTER IMMUNOEMATOL  
 1,1954-V29N4,1982  
 HAEMATOLOGICA  
 PAVIA ITALY  
 W1 RI458 0035-6204  
 R50620000 JTC: TJ5

IM TOXICOLOGICAL EUROPEAN RESEARCH. RECHERCHE  
 EUROPEENNE EN TOXICOLOGIE  
 TOXICOL EUR RES  
 IN1,1978-5N6,1983  
 EDITIONS OURANOS  
 PUTEAUX FRANCE  
 SUPERSEDES EUROPEAN JOURNAL OF TOXICOLOGY  
 AND ENVIRONMENTAL HYGIENE. JOURNAL  
 EUROPEEN DE TOXICOLOGIE. ISSUED BY SOCIETE  
 FRANCAISE DE TOXICOLOGIE.  
 W1 T0894 0249-6402  
 T13806000 JTC: VWD

(The Following Title Is No Longer Indexed For IDL But Is Still Indexed For POPLINE)

POP SOCIAL FORCES  
 SOC FORCES  
 1,1922--  
 UNIVERSITY OF NORTH CAROLINA PRESS  
 CHAPEL HILL NC UNITED STATES  
 INDEXING FOR HLI CEASED WITH V62N4, JUN 1984.  
 W1 S0104R 0037-7732  
 S28300000 JTC: UT8

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES -- APRIL 1985

The following substantive serial titles were received or ordered by the Serial Records Section. Titles indexed for MEDLINE, HEALTH, and POPLINE are listed in the "INDEXED TITLES UPDATE" section. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement and will include price information if known. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

AGING AND LONG-TERM CARE  
 INI, JAN/FEB 1985--  
 AMERICAN HOSPITAL ASSOCIATION  
 CHICAGO UNITED STATES  
 IN PROCESS  
 SR0053701  
 AMERICAN HOSPITAL ASSOCIATION, 840 NORTH  
 LAKE SHORE DRIVE, CHICAGO IL 60611

AIDS INFORMATION EXCHANGE  
 INI, JAN 1984?--  
 UNITED STATES CONFERENCE OF MAYORS  
 WASHINGTON UNITED STATES  
 IN PROCESS  
 SR0053787  
 UNITED STATES CONFERENCE OF MAYORS, 1620  
 EYE STREET N.W., WASHINGTON DC 20006

AMERICAN JOURNAL OF PHYSIOLOGIC IMAGING  
 INI, JAN 1986--  
 ALAN R. LISS  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0053631 \$95.00

ANNALES DE L INSTITUT PASTEUR. VIROLOGIE  
 136NI, JAN/MAR 1985--  
 ELSEVIER  
 AMSTERDAM NETHERLANDS  
 CONTINUES: ANNALES DE VIROLOGIE.  
 IN PROCESS  
 SR0053808

BRITISH JOURNAL OF HOLISTIC MEDICINE  
 1, APR 1984--  
 BRITISH HOLISTIC MEDICAL ASSOCIATION  
 LONDON ENGLAND  
 IN PROCESS  
 SR0053773  
 BRITISH HOLISTIC MEDICAL ASSOCIATION, 179  
 GLOUCESTER PLACE, LONDON NW1 6DX, ENGLAND

CANADIAN JOURNAL OF CARDIOLOGY  
 INI, JAN 1985--  
 CANADIAN JOURNAL OF CARDIOLOGY  
 ONTARIO CANADA  
 ON ORDER  
 SR0053755 \$84.95  
 CANADIAN JOURNAL OF CARDIOLOGY, 407  
 SPEERS RD., SUITE 200, OAKVILLE ONTARIO  
 L6K 3T5

COMPUTERS IN HUMAN BEHAVIOR  
 1, 1985--  
 PERGAMON  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0053881 \$100.00

COEUR 2000  
 INI, 1985--  
 SOCIETE FRANCAISE D EDITIONS MEDICALES  
 PARIS FRANCE  
 ON ORDER  
 SR0053680

CRC CRITICAL REVIEWS IN BIOCOMPATIBILITY  
 INI, 1985--  
 BOCA RATON FL UNITED STATES  
 ON ORDER  
 SR0053932

CRITICAL CARE CLINICS  
 1, MAR 1985--  
 W.B. SAUNDERS  
 PHILADELPHIA UNITED STATES  
 ON ORDER  
 SR0053683 \$18.00  
 W.B. SAUNDERS, WEST WASHINGTON SQUARE,  
 PHILADELPHIA PA 19105

CURRENT OPINION IN GASTROENTEROLOGY  
 INI, JAN/FEB 1985--  
 GOWER ACADEMIC JOURNALS  
 LONDON ENGLAND  
 IN PROCESS  
 SR0053702  
 GOWER MEDICAL PUBLISHING, MIDDLESEX  
 HOUSE, 34-42 CLEVELAND STREET, LONDON  
 W1P 5FB, ENGLAND

CURRENT REVIEWS IN PSYCHIATRY  
 1, 1985--  
 CHURCHILL LIVINGSTONE  
 EDINBURGH SCOTLAND  
 IN PROCESS  
 SR0053760  
 CHURCHILL LIVINGSTONE, ROBERT STEVENSON  
 HOUSE, 1-3 BAXTERS PLACE, LEITH WALK,  
 EDINBURGH EH1 3AF, SCOTLAND

CURRENT THERAPY IN NEUROLOGIC DISEASE  
1985/86?--  
B C DECKER  
PHILADELPHIA UNITED STATES  
IN PROCESS  
SR0053648  
B.C.DECKER INC, P.O. BOX 30246,  
PHILADELPHIA PA, 19103

HOSPITAL ETHICS  
1,1985--  
AMERICAN HOSPITAL ASSOCIATION  
CHICAGO UNITED STATES  
ON ORDER  
SR0053736 \$60.00  
AMERICAN HOSPITAL ASSOCIATION, 840 NORTH  
LAKE SHORE DRIVE, CHICAGO IL 60611

ICA REVIEW  
41NI,WINTER 1985--  
INTERNATIONAL CHIROPRACTORS ASSOCIATION  
WASHINGTON UNITED STATES  
CONTINUES: INTERNATIONAL REVIEW OF  
CHIROPRACTIC.  
IN PROCESS  
SR0053712 \$30.00  
INTERNATIONAL CHIROPRACTORS ASSOCIATION,  
1901 L STREET NW SUITE 800, WASHINGTON  
DC 20036

INTERNATIONAL JOURNAL OF HEALTH PLANNING  
AND MANAGEMENT  
1NI,1986--  
JOHN WILEY  
NEW YORK UNITED STATES  
ON ORDER  
SR0053859 \$110.00

JOURNAL OF CLINICAL HYPERTENSION  
1,APR 1985--  
ELSEVIER  
NEW YORK UNITED STATES  
ON ORDER  
SR0053804 \$85.00

JOURNAL OF MEDICAL PRACTICE MANAGEMENT  
1NI,JULY 1985--  
WILLIAMS AND WILKINS  
BALTIMORE UNITED STATES  
ON ORDER  
SR0053906

JOURNAL OF NEUROLOGICAL AND ORTHOPAEDIC  
MEDICINE AND SURGERY  
6NI,APR 1985--  
AMERICAN ACADEMY OF NEUROLOGICAL AND  
ORTHOPAEDIC SURGEONS  
LAS VEGAS NV UNITED STATES  
CONTINUES: JOURNAL OF NEUROLOGICAL AND  
ORTHOPAEDIC SURGERY.  
IN PROCESS  
SR0053725  
EDITORIAL AND PUBLICATIONS OFFICE,  
AMERICAN ACADEMY OF NEUROLOGICAL AND  
ORTHOPAEDIC SURGEONS, 2320 RANCHO DRIVE,  
SUITE 108, LAS VEGAS NV 89102-4592

JOURNAL OF PAEDIATRIC DENTISTRY  
1NI,1985--  
BLACKWELL SCIENTIFIC PUBLICATIONS  
OXFORD ENGLAND  
ON ORDER  
SR0053856 \$40.00  
BLACKWELL SCIENTIFIC PUBLICATIONS  
LTD.,P.O.BOX 88,OXFORD, ENGLAND

LECTURES IN ANAESTHESIOLOGY  
NI,1985--  
BLACKWELL SCIENTIFIC FOR THE WORLD  
FEDERATION OF SOCIETIES OF ANAESTHESIOLOGY  
OXFORD ENGLAND  
ON ORDER  
SR0053646

LUNG AND RESPIRATION  
1NI,MAY 1984--  
PMI VERLAG  
FRANKFURT/MAIN GERMANY, WEST  
IN PROCESS  
SR0053685  
PHI-PHARM AND MEDICAL INFORM.,  
VERLAGS-GMBH, WOLFGANGSTRASSE 18, 6000  
FRANKFURT/MAIN 1, WEST GERMANY

ONCOLOGY DATA BASE FOCUS  
1NI,MAR 1985--  
DATA CENTRUM COMMUNICATIONS  
NEW YORK UNITED STATES  
IN PROCESS  
SR0053730  
DATA CENTRUM COMMUNICATIONS INC., 200  
WEST 57TH STREET SUITE 204, NEW YORK NY  
10019

PEDIATRIC NEUROLOGY  
1NI,JAN/FEB 1985--  
PROFESSIONAL PUBLICATIONS  
CHIPPEWA FALLS WI UNITED STATES  
ON ORDER  
SR0053810 \$48.00  
PEDIATRIC NEUROLOGY, BOX 69, CHIPPEWA  
FALLS WI 54729

PRAEGER MONOGRAPHS IN PEDIATRIC  
HEMATOLOGY/ONCOLOGY  
1,1985--  
PRAEGER  
NEW YORK? UNITED STATES  
CATALOGING IN PUBLICATION.  
ON ORDER - CIP  
SR0053733

SEMINARS IN RECONSTRUCTIVE MICROSURGERY  
1,1985--  
ALAN R. LISS  
NEW YORK UNITED STATES  
ON ORDER  
SR0053747 \$80.00





MONICS -

- searches for the term "spark" in fields within the TOXNET AND HANDLING.

- searches for "spark" in fields within the header fields.

- searches for "spark" in fields within the header fields.

without mnemonics will appear.

SEARCHING -  
a listing of alphabetically below.

in retrieval of terms of the term throughout or in fields specified. The command may conjunction with symbol (:).

green: will retrieve greenish

retrieval of 2 or more selected by the logical "and" where these appear in the same occurrence field.

(use) all pyrotechnic: and green:

- will allow uninterrupted

prints all portions of which contain data.

prints full names of (not just mnemonics) statements.

specific particular and not result in default fields

allows for display of fields that would be printed.

PRINT EXCLUDE - suppresses printing of certain data fields that would otherwise be displayed.

PRINT HITS - allows display of those specific data statements of retrieved records in which the search terms appeared.

SAMPLE SEARCHES -

TO FIND: Information on a known chemical -

Question: What is the lead content of milk?  
Strategy: SS 1 /C?  
USER: lead (milk)  
SS (1) PSTG (1)

SS 2 /C?  
USER: print hits

TO FIND: Information about unknown chemicals -

Question: What chemicals manufactured by Union Carbide are explosive in the presence of ammonium compounds?  
Strategy: SS 1 /C?  
USER: same (mfs) union and carbide  
SS (1) PSTG (198)

SS 2 /C?  
USER: (expl) ammonia or ammonium  
SS (2) PSTG (51)

SS 3 /C?  
USER: 1 and 2  
SS (3) PSTG (4)

SS 4 /C?  
USER: prt hits indented

TO FIND: Information on more complex concepts

Question: What solvents affect both the brain and spinal cord in humans?  
Strategy: SS 1 /C?  
USER: (use) solvent or solvents  
SS (1) PSTG (446)

SS 2 /C?  
USER: same (htox) brain and spinal and cord  
3 OCCURRENCES IN 3 RECORDS  
SS (2) PSTG (3)

SS 3 /C?  
USER: 1 and 2  
SS (3) PSTG (2)

SS 4 /C?  
USER: prt tox include popl

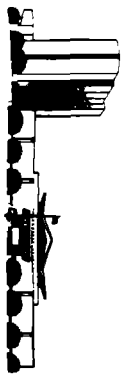
TOXNET COST AND AVAILABILITY -  
TOXNET files are available 24 hours a day, seven days a week.

The average search charges (per hour) for TDB or HSDB are \$75.00 in prime time.

# TOXNET

The National Library of Medicine's  
Toxicology Data Network

A BRIEF PRELIMINARY GUIDE TO  
SEARCHING ITS FILES



This guide highlights TOXNET features. Since TOXNET is an evolving system, revisions will be issued as necessary.

September, 1985

For detailed information on TOXNET contact: National Library of Medicine  
Specialized Information Services  
Biomedical Files Implementation Branch  
8600 Rockville Pike  
Bethesda, MD 20894  
Tel: 301/496-6531

TOXNET - a fully integrate offering the following

HAZARDOUS SUBSTANCES DATA

A scientifically reviewed databank containing toxic information augmented by the areas of environment exposure, standards and monitoring and analysis, and handling.

TOXICOLOGY DATA BANK (TDB)

A peer reviewed databank upon toxicological information extracted from a list of documents.

INTROTOX (INTRO)

A small subset of the HSDB intended for use as a print file and available at remote sites.

Access - TOXNET is available dial or via the telecommunications TELENET or TYMNET

Connecting to files - TOXNET upon login, are automatically connected to the HSDB file switch between files the command is used. Example switch to the TDB file, user would type FILE TDB

CONDUCTING A SEARCH -

TOXNET files automatically the user in the search statements are entered by single terms, or combined or previous search state the logical operators OR

UNIT RECORD CONCEPTS -

The Unit Records for TOXNET are printed on the inside of this guide. The basic in both files is the "data data field may contain a "occurrences" of data, and "data statements". Some are grouped together under these are represented by asterisk (\*). Headers are are further grouped into broad "data categories" a double asterisk (\*\*). header, or data category with it a two to four le

HSDB/TDB/INTROTOX FILE STRUCTURE

1. <u>CE IDENTIFICATION</u>	2. <u>SAFETY &amp; HANDLING</u>	3. <u>TOXICITY/BIOLOGICAL EFFECTS (Cont)</u>	4. <u>EXSR</u>	5. <u>EXPOSURE STANDARD</u>
4. <u>HAZ</u> 4. <u>DOT</u> 4. <u>FLAM</u> 4. <u>FPOT</u> 4. <u>FLMT</u> 4. <u>FLPT</u> 4. <u>AUTO</u> 4. <u>FIRE</u> 4. <u>INTH</u> 4. <u>TOXC</u> 4. <u>OFHZ</u> 4. <u>EXPL</u> 4. <u>HAZR</u> 4. <u>REAC</u> 4. <u>DCMP</u> 4. <u>POLY</u> 4. <u>OHMZ</u> 4. <u>WRNP</u> 4. <u>ODRT</u> 4. <u>SERI</u> 4. <u>PRVN</u> 4. <u>EQUIP</u> 4. <u>OPRM</u> 4. <u>SSL</u> 4. <u>SHIP</u> 4. <u>STRG</u> 4. <u>CLUP</u> 4. <u>DISP</u> 4. <u>RADL</u> 4. <u>TOXB</u> 4. <u>TOXS</u> 4. <u>TXHR</u> 4. <u>PPOT</u> 4. <u>ANTR</u> 4. <u>MEDS</u> 4. <u>TOX</u> 4. <u>HTOX</u> 4. <u>NTOX</u> 4. <u>TOXV</u> 4. <u>HTXV</u> 4. <u>NTXV</u> 4. <u>ETXV</u>	Hazards Summary DOT Emergency Guidelines Flammable Properties Fire Potential NFPA Hazard Classification Flammable Limits Flash Point Autoignition Temperature Fire Fighting Information Fire Fighting Procedures Intensity of Heat Toxic Combustion Products Other Firefighting Hazards Explosive Limits & Potential Hazardous Reactions Reactivities & Incompatibilities Decomposition Polymerization Other Hazardous Reactions Warning Properties Odor Threshold Skin, Eye & Respiratory Irritations Preventive Measures Protective Equipment & Clothing Other Preventive Measures Stability/Shelf-life Shipment Methods & Regulations Storage Conditions Cleanup Methods Disposal Methods Radiation Limits & Potential Toxicity Summary Toxic Hazard Rating Poisoning Potential Antidote & Emergency Treatment Medical Surveillance Toxicity Excerpts Human Toxicity Excerpts Non-human Toxicity Excerpts Toxicity Values Human Toxicity Values Non-human Toxicity Values Ecotoxicity Values	Minimum Fatal Dose Level Populations at Special Risk Pharmacokinetics Absorption, Distribution & Excretion Metabolism/Metabolites Biological Half-Life Mechanism of Action Interactions PHARMACOLOGY Bioreactivity Therapeutic Uses Drug Warnings Drug Idiosyncrasies Drug Tolerance Maximum Drug Dose ENVIRONMENTAL FATE/EXPOSURE POTENTIAL Environmental Fate/Exposure Summary Pollution Sources Naturally Occurring Sources Artificial Sources Environmental Fate (Atmospheric, Terrestrial, & Aquatic) Biodegradation Abiotic Degradation Environmental Transport Bioconcentration Soil Adsorption/Mobility Volatilization from Water/Soil Environmental Concentrations Water Concentration Effluent Concentrations Sediment/Soil Concentrations Atmospheric Concentrations Food Survey Values Plant Concentrations Fish/Seafood Concentrations Animal Concentrations Milk Concentrations Other Environmental Concentrations Human Exposure Probable Routes of Human Exposure Average Daily Intake Probable Exposures Body Burden	IDLH ADI ATOL OPL OSHA NREC TLV OPL OREG WSTD ASTD SSTD CERC TSCA RCRA FIFRA FDA MAM SAMP ALAB CLAB REFS RPTS DB TEST HIST	Immediately Dangerous Acceptable Daily Allowable Tolerant Occupational Permissible OSHA Standards NIOSH Recommended Threshold Limit Other Occupational Other Standards Water Standard Atmospheric Standards Soil Standards CERCLA Reportable TSCA Requirements RCRA Requirements FIFRA Requirements FDA Requirements Monitoring and Sampling Procedures Analytical Procedures Clinical Laboratory Additional Reference Special Reports On-line Databases Test Status Prior History of
5. <u>TOXB</u> 5. <u>TOXS</u> 5. <u>TXHR</u> 5. <u>PPOT</u> 5. <u>ANTR</u> 5. <u>MEDS</u> 5. <u>TOX</u> 5. <u>HTOX</u> 5. <u>NTOX</u> 5. <u>TOXV</u> 5. <u>HTXV</u> 5. <u>NTXV</u> 5. <u>ETXV</u>	Hazards Summary DOT Emergency Guidelines Flammable Properties Fire Potential NFPA Hazard Classification Flammable Limits Flash Point Autoignition Temperature Fire Fighting Information Fire Fighting Procedures Intensity of Heat Toxic Combustion Products Other Firefighting Hazards Explosive Limits & Potential Hazardous Reactions Reactivities & Incompatibilities Decomposition Polymerization Other Hazardous Reactions Warning Properties Odor Threshold Skin, Eye & Respiratory Irritations Preventive Measures Protective Equipment & Clothing Other Preventive Measures Stability/Shelf-life Shipment Methods & Regulations Storage Conditions Cleanup Methods Disposal Methods Radiation Limits & Potential Toxicity Summary Toxic Hazard Rating Poisoning Potential Antidote & Emergency Treatment Medical Surveillance Toxicity Excerpts Human Toxicity Excerpts Non-human Toxicity Excerpts Toxicity Values Human Toxicity Values Non-human Toxicity Values Ecotoxicity Values	Minimum Fatal Dose Level Populations at Special Risk Pharmacokinetics Absorption, Distribution & Excretion Metabolism/Metabolites Biological Half-Life Mechanism of Action Interactions PHARMACOLOGY Bioreactivity Therapeutic Uses Drug Warnings Drug Idiosyncrasies Drug Tolerance Maximum Drug Dose ENVIRONMENTAL FATE/EXPOSURE POTENTIAL Environmental Fate/Exposure Summary Pollution Sources Naturally Occurring Sources Artificial Sources Environmental Fate (Atmospheric, Terrestrial, & Aquatic) Biodegradation Abiotic Degradation Environmental Transport Bioconcentration Soil Adsorption/Mobility Volatilization from Water/Soil Environmental Concentrations Water Concentration Effluent Concentrations Sediment/Soil Concentrations Atmospheric Concentrations Food Survey Values Plant Concentrations Fish/Seafood Concentrations Animal Concentrations Milk Concentrations Other Environmental Concentrations Human Exposure Probable Routes of Human Exposure Average Daily Intake Probable Exposures Body Burden	IDLH ADI ATOL OPL OSHA NREC TLV OPL OREG WSTD ASTD SSTD CERC TSCA RCRA FIFRA FDA MAM SAMP ALAB CLAB REFS RPTS DB TEST HIST	Immediately Dangerous Acceptable Daily Allowable Tolerant Occupational Permissible OSHA Standards NIOSH Recommended Threshold Limit Other Occupational Other Standards Water Standard Atmospheric Standards Soil Standards CERCLA Reportable TSCA Requirements RCRA Requirements FIFRA Requirements FDA Requirements Monitoring and Sampling Procedures Analytical Procedures Clinical Laboratory Additional Reference Special Reports On-line Databases Test Status Prior History of

Prepared by- BFIB/SIS  
July 1985

IF DATA FIELDS OR HEADERS ARE AVAILABLE ONLY IN THE INTROTOX FILES, NOT TDB.

# The NLM Technical Bulletin

ISSN 0146-3055  
JUNE 1985  
No. 194

## In This Issue:

Report On The March 11-12, 1985  
MEDLARS Special Login Procedure 1

More On TOXNET--  
NLM's New Toxicology Data Network 7

1985 CANCERLIT/CANCEREXPRESS  
Regeneration 11

*Monthly Search Hint*  
Searching For A Numeric Data Element 12

Appendix A - Database Update Schedule

### Regular Features:

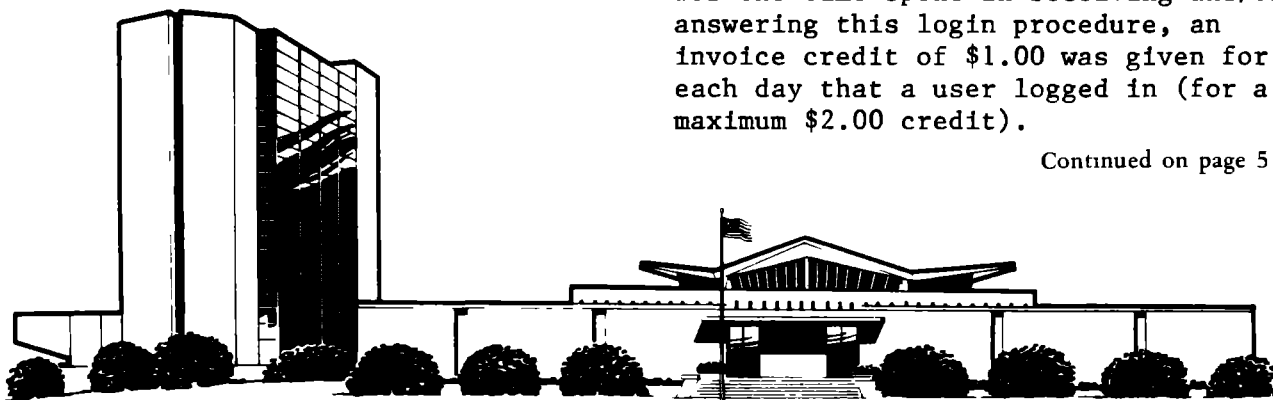
Databases	2
Technical Notes	3
Serials Update	13

## Report On The March 11-12, 1985 MEDLARS Special Login Procedure

During Monday and Tuesday, March 11-12, 1985, NLM implemented a special login procedure for domestic users. The purpose of this procedure was to improve NLM's understanding of users' information needs. This special procedure had been used previously during the week of February 14-19, 1983. A report on that experience appeared in the May 1984 NLM Technical Bulletin.

All persons accessing MEDLARS® during the two-day March period were asked to identify the profession of the individual for whom the search was being performed as well as the purpose of the search. The instructions and response alternatives are shown in Figure 1. Although online display of the modified login was mandatory for all domestic users, user response was not. In order to compensate searchers for the time spent in receiving and/or answering this login procedure, an invoice credit of \$1.00 was given for each day that a user logged in (for a maximum \$2.00 credit).

Continued on page 5



DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	13,425	THROUGH 1985	13 JUN 85	
BIOETHICS	18,127	JAN 73-APR 85	19 APR 85	8504(EM)
CANCERLIT	463,345	JAN 63-JUN 85	01 JUN 85	8506(EM)
CANCERPROJ	2,970	THROUGH 1984	01 APR 85	8504(EM)
CATLINE	590,762	THROUGH 1985	13 JUN 85	
CHEMLINE	631,748		30 APR 85	8504(EM)
CLINPROT	4,888		18 JUN 85	8505(EM)
DIRLINE	14,816		25 MAR 85	
EXPRESS	7,644	JAN 85-JUN 85	31 MAY 85	8506(EM)
HEALTH	313,770	JAN 75-JUL 85	08 JUN 85	8507(EM)
HISTLINE	66,943		10 JUN 85	8505(EM)
MEDLINE	612,999	JAN 83-JUL 85	01 JUN 85	8507(EM)
MED80	804,806	JAN 80-DEC 82	10 JUN 85	
MED77	775,078	JAN 77-DEC 79	04 FEB 85	
MED75	642,710	JAN 75-DEC 76	10 DEC 84	
MED71	883,895	JAN 71-DEC 74	25 MAR 85	
MED66	954,618	JAN 66-DEC 70	06 MAY 85	
MESH VOC	54,023	1985	17 JUN 85	
NAME AUTH	177,225		10 JUN 85	
POPLINE	133,488	1970-JUN 85	10 JUN 85	8506(EM)
RTECS	74,794	THROUGH APR 85	31 MAY 85	
SDILINE	24,505	JUL 85	01 JUN 85	8507(EM)
SERLINE	65,180	1985	17 JUN 85	
TDB	4,114		28 JAN 85	
TOXLINE	592,777		15 JUN 85	8506(EM)
CBAC	341,256	1981-VOL 102(10,11)		
TOXBIB	126,970	1981-JUL 85		
IPA (ASHP)	28,910	1981-VOL 22(11)		
HEEP	48,640	1981-VOL 14(7)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	5,937	1981-APR 1984		
TD3	16,639	1981-GRA&I 85(6,7)		
HMTC	563			
ILO	3,411	FEB 1985		
RPROJ/CRISP	10,016	FY 83 and 84		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXBIB	106,643	1976-1980		
IPA(ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA(ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAPAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		

Editor: Carolyn B. Tilley  
Assistant Editor: T. Scott Plutchak  
Technical Notes Editor: Patricia E. Healy  
Layout/Design: Joseph P. Fitzgerald  
(301) 496-6193

Direct Inquiries to:  
MEDLARS Management Section  
National Library of Medicine  
Bldg. 38A, Rm. 4N421  
Bethesda, Maryland 20209

## TECHNICAL NOTES

Whenever applicable, the heading of each Technical Note includes a reference to the section of the Online Services Reference Manual, 1982 and Supplement, 1984 that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

## CANCERPROJ CHARGES

At the request of the National Cancer Institute, regular online charges were reinstated for the new updated version of the CANCERPROJ database effective June 1, 1985. Online access to this updated version had been free through May 31, 1985, although OFFSEARCHes and Offprint pages were charged during the free online period, April-May 1985.

Charges for CANCERPROJ are the same as the current MEDLINE charges. To obtain a listing of current charges, access FILE INFORM and enter one of the following commands: EXPLAIN CHARGES or EXPLAIN PRICES or EXPLAIN COST or EXPLAIN ALGORITHM.□

## ABSTRACTS IN CANCERLIT (Manual 16.4.1, 16.4.2)

Prior to June 1983, all citations entered into the CANCERLIT database had abstracts present in the unit record. However, the presence of these abstracts was not indicated by any special data element; that is, these records do not contain the Abstract Author (AA) field. Since June 1983 (the 8306 (EM) update) when MEDLINE-derived citations were first added to CANCERLIT, not all records added to CANCERLIT have had abstracts present in the unit record. This is because all MEDLINE records do not have abstracts. MEDLINE-derived

citations with abstracts contain an Abstract Author (AA) field with the value AUTHOR. If the MEDLINE-derived citation has no abstract present, the Abstract Author (AA) field is absent from the unit record.

All supplementary citations not derived from MEDLINE (e.g., meeting abstracts, monographs, reports, some journals, etc.), which are being added to CANCERLIT, have abstracts. These citations will now also have an Abstract Author (AA) field present with three possible values in the field. The value AUTHOR will be present in the AA field if an author abstract is used. If the author abstract is extensively rewritten by the National Cancer Institute (NCI), the value MODIFIED will appear in the AA field. ICDB will be present in the AA field when the abstract has been written by NCI. The values ICDB and MODIFIED began appearing in the Abstract Author (AA) field with the 8412 (EM) update to the database.

The AA data element may be used to limit retrieval to citations with abstracts available online which have been input into the database since the 8306 (EM) update. A sample strategy would be:

```
3 AND AUTHOR (AA) OR 3 AND
MODIFIED (AA) OR 3 AND ICDB (AA)
```

Use of this strategy would eliminate all pre-8306 (EM) update citations from the retrieval plus all MEDLINE-derived citations added since 8306 (EM) without abstracts present in their unit records.□

## DATA ELEMENT NUMBER CHANGES IN CANCERLIT

Users with SAVED searches and STORESEARCHes (including Automatic SDI searches) in CANCERLIT may be affected

by changes made during the regeneration of the database on May 6, 1985 (8505 (EM)). Searches Saved or Stored before May 6 that contained qualified Title Abbreviations (TA), Journal Title Codes (JC), Codens (CD), Addresses (AD), Entry Months (EM), or STRINGSEARCHed Titles (TI) should be deleted by means of the SAVE searchname REMOVE and PURGESEARCH commands respectively and re-entered.

This is necessary because the element numbers by which the program recognizes the two-character qualifying mnemonics were changed for those data elements. Data element numbers are the numeric equivalents into which the program translates the data element mnemonics for searching. For example, previous to May 6 the Title Abbreviation (TA) was recognized by the program as element number 304; as of May 6 it was changed to 305. These changes were made in order to make the data element numbers the same for CANCERLIT and MEDLINE.

When re-entering the Saved or Stored searches the data element mnemonics should be entered exactly as they were previously; the program will now convert them to the new element numbers. (Note that EM is not a valid data element in searches stored to be run as Automatic SDI searches, since these are always ANDed with the current Entry Month by NLM.)

These changes will have no effect on day-to-day searching, but the above

listed data elements will retrieve NO POSTINGS until the search has been removed and re-entered. Users who encounter problems deleting or restoring searches should contact MEDLARS Management for assistance. □

#### DATABASE UPDATE SCHEDULE

Appendix A contains the revised DATABASE UPDATE SCHEDULE FOR 1985. Revision of this schedule was necessary because of the new 24-hour availability of the MEDLARS databases. Monthly updates of the databases listed on the schedule, MEDLINE/SDILINE, HEALTH, POPLINE, CANCERLIT/CANCEREXPRESS, and TOXLINE<sup>®</sup>, are now scheduled to be available on Saturday rather than Monday, as previously published.

If a problem with an update occurs, the updated database may not be available as scheduled. On Saturday and Sunday, there will be no way to notify searchers of a failed update. Therefore, searchers are advised to NEIGHBOR or search for the presence of the appropriate update Entry Month (EM) to ascertain which version of the database is being searched. Since the update Entry Month (EM) may vary from the calendar month of a scheduled update, the DATABASE UPDATE SCHEDULE now contains the update Entry Month in the left-hand column to facilitate searching for this tag. □

*Please access FILE INFORM and type NEWS to see the most recent news item online!*

Report On Login Procedure  
Continued from page 1

The responses to the procedure were analyzed as a whole and the tabulations follow in Table 1.

As was the case with the earlier experience, physicians accounted for the largest proportion of searches performed with 2,923 or 42.9% of the total. This is virtually identical to the 42.6% response in 1983. The only category to show appreciable variation was librarians with 21.5% reported this time as opposed to 15.9% in 1983. This may reflect some uncertainty on the part of librarians logging in as to the purpose of the procedure, however, rather than showing an increase in librarians searching for their own purposes. The procedure was not concerned with establishing the

identity of the individual actually performing the search; the focus was on the ultimate recipient of the search results.

As to the stated purpose of the search, Patient Care again was cited most often, with 36.6% compared to 36% in 1983. All of the other purpose categories were also virtually unchanged from 1983 to 1985.

In summary, the type of users and the purposes of searching have not changed remarkably between February of 1983 and March of 1985. Although the number of active domestic User ID codes increased from 2,532 to 3,499, and the monthly connect hours increased from 17,975 to 21,058, the spread of requester types and search purposes has remained constant. □

LOGIN PROCEDURE

The MEDLARS Management Section is temporarily using a new LOGIN procedure that is intended to improve our understanding of users' information needs. For a one week trial period, you will be asked to identify -- at LOGIN -- the search requester's profession and purpose of the search. All responses will be analyzed in the aggregate only. Please use the alphanumeric codes listed below. You will be credited for the time to complete this query. Thank you for your cooperation.

SEARCH REQUESTER'S PROFESSION	PURPOSE OF SEARCH
1 = PHYSICIAN	A = PATIENT CARE
2 = DENTIST	B = EDUCATION
3 = NURSE	C = RESEARCH/TESTING
4 = SCIENTIST	D = MANAGEMENT/ADMIN.
5 = STUDENT	E = REGULATION
6 = LIBRARIAN/INFO. SPECIALIST	F = OTHER
7 = OTHER      8 = UNKNOWN	G = UNKNOWN

For example, if the search requester is a 'physician' who requires information for 'patient care', please type '1A'. However, if the search session will involve several distinct searches, please include a 'requester/purpose' for each, separated by commas,  
e.g., '1A, 1A, 2C'.  
Please enter your response:

Figure 1

SEARCH REQUESTER'S PROFESSION AND PURPOSE OF SEARCH

Numeric Totals

	PHYSICIAN	DENTIST	NURSE	SCIENTIST	STUDENT	LIBRARIAN	OTHER	UNKNOWN	TOTAL
PATIENT CARE	1,780	16	181	20	68	262	166	5	2,498
EDUCATION	366	14	180	30	167	136	108	0	1,001
RESEARCH	538	12	98	488	136	433	159	6	1,870
MANAGEMENT	52	5	83	17	3	190	124	0	474
REGULATION	14	0	7	44	3	54	17	0	139
OTHER	89	2	17	17	4	374	144	2	649
UNKNOWN	84	1	17	6	7	21	28	16	180
TOTAL	2,923	50	583	622	388	1,470	746	29	6,811

Percentage of search purpose for each profession.

	PHYSICIAN	DENTIST	NURSE	SCIENTIST	STUDENT	LIBRARIAN	OTHER	UNKNOWN	TOTAL
PATIENT CARE	60.8	32.0	31.0	3.2	17.5	17.8	22.2	17.2	36.6
EDUCATION	12.5	28.0	30.8	4.8	43.0	9.2	14.4	0.0	14.6
RESEARCH	18.4	24.0	16.8	78.4	35.0	29.4	21.3	20.6	27.4
MANAGEMENT	1.7	10.0	14.2	2.7	0.7	12.9	16.6	0.0	6.9
REGULATION	0.4	0.0	1.2	7.0	0.7	3.6	2.2	0.0	2.0
OTHER	3.0	4.0	2.9	2.7	1.0	25.4	19.3	6.8	9.5
UNKNOWN	2.8	2.0	2.9	0.9	1.8	1.4	3.7	55.1	2.6
TOTAL	42.9	0.7	8.5	9.1	5.6	21.5	10.9	0.4	100.0

Numeric Totals

	PATIENT CARE	EDUCATION	RESEARCH	MANAGEMENT	REGULATION	OTHER	UNKNOWN	TOTAL
PHYSICIAN	1,780	366	538	52	14	89	84	2,923
DENTIST	16	14	12	5	0	2	1	50
NURSE	181	180	98	83	7	17	17	583
SCIENTIST	20	30	488	17	44	17	6	622
STUDENT	68	167	136	3	3	4	7	388
LIBRARIAN	262	136	433	190	54	374	21	1,470
OTHER	166	108	159	124	17	144	28	746
UNKNOWN	5	0	6	0	0	2	16	29
TOTAL	2,498	1,001	1,870	474	139	649	180	6,811

Percentage of profession for each search purpose.

	PATIENT CARE	EDUCATION	RESEARCH	MANAGEMENT	REGULATION	OTHER	UNKNOWN	TOTAL
PHYSICIAN	71.2	36.5	28.7	10.9	10.0	13.7	46.6	42.9
DENTIST	0.6	1.3	0.6	1.0	0.0	0.3	0.5	0.7
NURSE	7.2	17.9	5.2	17.5	5.0	2.6	9.4	8.5
SCIENTIST	0.8	2.9	26.0	3.5	31.6	2.6	3.3	9.1
STUDENT	2.7	16.6	7.2	0.6	2.1	0.6	3.8	5.6
LIBRARIAN	10.4	13.5	23.1	40.0	38.8	57.6	11.6	21.5
OTHER	6.6	10.7	8.5	26.1	12.2	22.1	15.5	10.9
UNKNOWN	0.2	0.0	0.3	0.0	0.0	0.3	8.8	0.4
TOTAL	36.6	14.6	27.4	6.9	2.0	9.5	2.6	100.0



*yellow 6/28/85  
Direct dial toll free =  
(800) 638-6609*

*TYMNET non billed = PLEASE LOGIN TOXNET1  
TELENET has no non billed code yet.*

## More On TOXNET-- NLM's New Toxicology Data Network

Philip Wexler  
Bruno Vasta  
Specialized Information Services, NLM

### Background

For a review of TOXNET, the files it includes, and basic search features, see the May 1985 NLM Technical Bulletin.

### Access

Beginning July 1, 1985, TOXNET will be available to domestic MEDLARS users round-the-clock. Access is via direct dial or through telecommunications networks (currently GTE-TELENET® and TYMNET®). Toll-free numbers will also be supplied to users in remote locations. (Toll-free users should contact the MEDLARS Management Section for information). See Figure 2 on page 9 for complete logon procedures.

TOXNET User IDs and passwords will initially be the same as those in ELHILL. After July 1, passwords may be changed in TOXNET by means of the PROFILE MODIFY PASSWORD command, which operates similarly to the same command in ELHILL. Please note, however, that a change of password in either system results in a change specific only to that system. Therefore, a change in an ELHILL password in itself will not alter the same user's TOXNET password, nor will a change in a TOXNET password alter that same user's ELHILL password. This is because the two systems are installed on different computers with no direct links; the searcher must change the password on both systems to keep the passwords consistent.

The HSDB (Hazardous Substances Data Bank) file will be available only on TOXNET. The TDB (Toxicology Data Bank) files will be available to United States users on both ELHILL and TOXNET until approximately October 1, 1985. During this transition period, however, the ELHILL/TDB will be a static file and all updates and changes will be made only to the TOXNET/TDB. Users are also reminded that the ELHILL/TDB and the TOXNET/TDB are not identical files. After October 1, the ELHILL/TDB will be taken down and TDB will reside solely on TOXNET. It is expected that International MEDLARS Centers that have the appropriate agreements with NLM and their users will be provided access to TOXNET on October 1. Only ELHILL/TDB will be available to these codes until then.

### Pricing

Costs (online and offline) for accessing TDB and HSDB on TOXNET will be identical. The TOXNET pricing algorithm (which is patterned after the ELHILL algorithm) is based upon connect time, number of searches, number of characters printed, and number of interactions (see Figure 1 on page 8). Connect time and online character charges are further broken down into prime and non-prime time categories. Pricing is expected to remain roughly equivalent to the \$75 per hour prime time, \$68 per hour non-prime time average currently assessed for domestic ELHILL/TDB users.

### Offline Prints

To request offline prints, the PRT OFFLINE command is used the same way it would be in ELHILL. Offline prints can be mailed to a stored address created by using the PROFILE MODIFY command. (Note, however, that stored addresses from ELHILL will not be

transferred to TOXNET. They must be created separately.) Offline prints will be generated by NLM's laser printer, but in a different processing stream from ELHILL. Thus users requesting offline prints from ELHILL and TOXNET will be receiving them in separate envelopes. Offline prints for either of TOXNET's files will cost the same as ELHILL/TDB: 60 cents per page for domestic users. OFFSEARCHes are not currently available on TOXNET.

Comparison of ELHILL/TDB and TOXNET/TDB or HSDB Searching

Users already familiar with the ELHILL/TDB file may benefit from a summary comparison of some fundamental differences between it and the TOXNET/TDB and HSDB files. Figure 3 on page 10 contrasts selected search and print characteristics in the two systems. This list is representative, not exhaustive. Likewise, the list does not include those system features currently being developed or planned.

Enhancements can be expected as TOXNET continues to evolve. The ability, for instance, to specify a print group of data fields, is now being developed. This will enable users to print whatever combination of fields they have defined by invoking the print group name. This feature will be available shortly. Users are encouraged to send comments and suggestions through the online COMMENT command. The online TOXNET NEWS capability will be a quick way of presenting new TOXNET information to users.

Training and Documentation

Formal classroom instruction in conjunction with NLM's other training programs is being planned. Training manuals, user guides and fact sheets are being prepared. Future Technical Bulletin articles will keep users informed about these and other TOXNET issues. □

TOXNET CHARGES FOR DOMESTIC ONLINE USERS									
Online pricing algorithm:									
	Connect Charge (per hour)		Search Statement Charge	Interaction Charge (carriage returns)	Online Character Charges (per 1000)		Average Searcher Charges (per hour)		
	Non-Prime	Prime			Non-Prime	Prime	Non-Prime	Prime	
TDB	\$56.50	\$60.25	\$.01	\$.01	\$.08	\$.12	\$68	\$75	
HSDB	\$56.50	\$60.25	\$.01	\$.01	\$.08	\$.12	\$68	\$75	
Offline Processing Rates:									
TDB:	\$.60 per page								
HSDB:	\$.60 per page								

Figure 1

ACCESS TO TOXNET

	<u>TELENET</u>	<u>TYMNET</u>	<u>Direct Dial</u>
<u>User Response:</u>	Dial TELENET number. Connect phone to terminal. (CR) (CR)*	Dial TYMNET number. Connect phone to terminal.	Dial (301)946-1184. Connect phone to terminal.
<u>System Prompt:</u>	TERMINAL=	Prints 1-2 lines of stray characters, <u>or</u> PLEASE TYPE YOUR TERMINAL IDENTIFIER	
<u>User Response:</u>	Enter terminal identifier.	Enter terminal identifier.	
<u>System Prompt:</u>	@	PLEASE LOG IN:	
<u>User Response:</u>	(Half duplex: type HALF (CR)) SET 5:1,12:1 (CR)**	(Half Duplex: CONTROL H) CONTROL R** TOXNET (CR)	
<u>System Prompt:</u>	@		
<u>User Response:</u>	C 301 633 <u>or</u> C 301 634		
<u>System Prompt:</u>	301 633 Connected <u>or</u> 301 634 Connected	P# (where # = a digit) HOST IS ONLINE	

\*\*\*From here on, logon procedures are the same for all access methods\*\*\*

User Response: Hit BREAK key or CONTROL, SHIFT, @ keys.

System Prompt: Welcome to the National Library of Medicine's  
Toxicology Data Network (TOXNET).  
Please enter USERID/PASSWORD.  
#####

User Response: Enter your USERID/PASSWORD (CR)

System Prompt: TOXNET NEWS BULLETIN  
...  
SS 1 /C?  
USER:

User Response: Begin searching.

\* (CR) = Hit RETURN or ENTER key.  
\*\* This optional action may be taken by users experiencing garbled characters on their printers. It should synchronize the printer with the terminal.

Figure 2

ELHILL/TDB vs. TOXNET/TDB, HSDB

ELHILL/TDB

Search Features:

- Search by free text or controlled vocabulary.
- All data elements not searchable.
- Search mnemonics differ from print mnemonics.
- NBR command lists index terms alphabetically above and below NEIGHBORed term.
- Maximum of 25 search statements may be entered within one search sequence.
- Molecular fragment searching available.
- Permits single variable character symbol (#).
- No SAME command for proximity searching.

Print Features:

- Prints hits only unless COMPLETE is added to print command to allow printing of all occurrences within a field or all fields within a category.

TOXNET/TDB, HSDB

Search Features:

- Free text searching only.
- All data elements searchable.
- Identical search and print mnemonics.
- NBR command lists index terms only alphabetically below NEIGHBORed term.
- No limit on number of search statements.
- Molecular fragment searching unavailable.
- Permits only end truncation (:).
- SAME command--allows user to search for two or more terms (ANDed together) in the same field occurrence.

Print Features:

- Prints all occurrences within a field(s) or category(ies) unless PRT HITS option is utilized. Does not utilize COMPLETE command.
- PRT ONLY overrides any predefined print and prints only those fields specified.
- PRT CONTINUOUS allows full printing without CONTINUE PRINTING? queries.

Other Features:

- TOXNET offers increased and enhanced EXPLAIN and HELP commands. EXPLAIN can be used with any category or field name to provide the equivalent of an online dictionary and user's manual.

Figure 3

## 1985 CANCERLIT/ CANCEREXPRESS Regeneration

Dianne E. Tingley, Ph.D.  
International Cancer Information Center, NCI

The CANCERLIT and CANCEREXPRESS files were regenerated and made available on May 13, 1985. The principal effect of the regeneration was the correction of known errors in individual records, and the removal of duplicate entries. The 1985 MeSH has been in effect in the CANCERLIT file since the January 1985 update.

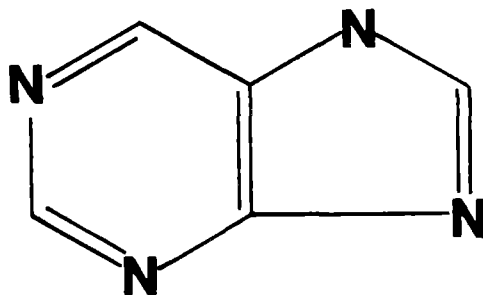
The Keyword (KW) field was deleted because the Keywords have not been used to index current input since mid-1983, and were carried on only a small percentage of CANCERLIT records. There are to be no additions or major modifications to the remaining data elements.

Certain Title Abbreviations (TA) have been revised in accordance with current NLM standards applicable in MEDLINE. Most of these are Title Abbreviations for German language journals which contain umlauts. (See the Technical Notes in the October 1984 NLM Technical Bulletin.)

Searchers should note that in the regenerated file, the Publication Type (PT) field will now contain "letter" where it was previously "letter to editor". The Title (TI) field of all records of this publication type will also contain the parenthetical expression (LETTER) rather than (LETTER TO EDITOR). The publication types directly searchable through the PT field in CANCERLIT are: journal article, meeting abstract, monograph, meeting paper, government report, thesis, technical report, letter and special publication. □

### CORRECTION

The diagram of the purine ring skeleton which appeared on page 13 of the May 1985 NLM Technical Bulletin was presented incorrectly. It should have appeared as shown below:



The presence of an extra nitrogen (N) in the six-membered ring was not only wrong but made Search Statement 2 of the accompanying example incomprehensible. We apologize for any confusion caused by this mistake.

Monthly Search Hint

## Searching For A Numeric Data Element

P.E. Pothier  
MEDLARS Management Section, NLM

If a numeric data element (such as may occur in a Name Fragment search) is used in a Search Statement, it may need to be post-qualified, even though the whole Search Statement has been pre-qualified. If the number being searched is the same as a previous Search Statement number, the program will act upon it as if it were the Search Statement and not the numeric data element. For example, in the following search of the MESH VOCABULARY File, at SS 7 if you wish to search for a Name Fragment containing the number 6, you must enter:

```
SS 7 /C?
USER:
(nf) 6 (nf) and alpha and
methylprogesterone
```

```
PROG:
SS (7) PSTG (1)
```

Otherwise, the program will try to search for ALPHA and METHYLPROGESTERONE and the contents of Search Statement 6.

At Search Statement 5, this search could be entered with only the prequalification and would retrieve the correct record.

Users should remember to post-qualify numeric data elements wherever they occur, when the number is less than the current Search Statement number. Among the fields in which numeric data elements may occur are the Name Fragment (NF) field in CHEMLINE, MESH, TDB, RTECS; the Form of Name (FN) and Series Treatment Code (SM) fields in the NAME AUTHORITY FILE; Encoding Level 8 (Cataloging in Publication) in the Encoding Level (EL) field of CATLINE® and the NAME AUTHORITY FILE; and the Indexing Status (IX) field in SERLINE®. □

### NOTE

This issue of the NLM Technical Bulletin inaugurates a new design format. The redesign is intended to enhance the Bulletin's visual appeal and improve readability. Comments and suggestions regarding the form and content of the Bulletin are always appreciated. (Remember that the online COMMENT command is a quick and easy way to get such messages to MEDLARS Management).

SERIALS UPDATE

INDEXED TITLES UPDATE, JUNE 1985

The following titles cited in MEDLINE, HEALTH, and POPLINE have recently been selected for indexing, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last

UPDATE. More detailed information about each title may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, MAY 1985

INI COMMUNITY NURSING  
COMMUNITY NURS  
1,1984?--  
ANTHONY J. JANNETTI  
PITMAN NJ UNITED STATES  
INDEXING BEGAN WITH V2N1,1985.  
ON ORDER  
SR0054091 JTC: CYN  
COMMUNITY NURSING NEWSLETTER, C/O  
ANTHONY J. JANNETTI INC., NORTH WOODBURY  
RD., BOX 56, PITMAN NJ 08071

HLI JOURNAL OF HEALTH CARE TECHNOLOGY  
J HEALTH CARE TECHNOL  
IN1,SUMMER 1984--  
ECRI  
PLYMOUTH MEETING UNITED STATES  
PA  
INDEXING BEGAN WITH VIN1,SUMMER 1984.  
W1 J067BH 0748-075X  
SR0051082 JTC: JHC

IDL DENTAL MATERIALS  
DENT MATER  
IN1,FEB 1985--  
MUNKSGAARD  
COPENHAGEN DENMARK  
OFFICIAL PUBLICATION OF THE ACADEMY OF  
DENTAL MATERIALS.  
INDEXING BEGAN WITH VIN1,FEB 1985.  
ON ORDER  
SR0052257 JTC: E84

IDL MIDDLE EAST DENTISTRY AND ORAL HEALTH  
MIDDLE EAST DENT ORAL HEALTH  
N1,WINTER 1984--  
REED BUSINESS PUBLISHING DEVELOPMENTS  
SUTTON SURREY ENGLAND  
INDEXING BEGAN WITH N1,WINTER 1984.  
ON ORDER 0266-8874  
SR0054152 JTC: MED  
REED BUSINESS PUBLISHING DEVELOPMENTS,  
TIMES HOUSE, THROWLEY WAY, SUTTON SURREY  
SM1 4AF, ENGLAND

IDL ENDODONTICS AND DENTAL TRAUMATOLOGY  
ENDOD DENT TRAUMATOL  
IN1,FEB 1985--  
MUNKSGAARD  
COPENHAGEN DENMARK  
INDEXING BEGAN WITH VIN1,FEB 1985.  
ON ORDER  
SR0052262 JTC: EHD

TITLE CHANGES, MAY 1985

IM AUSTRALIAN JOURNAL OF OPHTHALMOLOGY  
AUST J OPHTHALMOL  
1,1973-12N4,1984  
AUSTRALASIAN MEDICAL PUBLISHING CO  
SYDNEY AUSTRALIA  
AUSTRALIAN COLLEGE OF OPHTHALMOLOGISTS.  
SUPERSEDES ITS TRANSACTIONS. CONTINUED BY:  
AUSTRALIAN AND NEW ZEALAND JOURNAL OF  
OPHTHALMOLOGY.  
INDEXING BEGAN WITH V.8,N.1,1980.  
W1 AU613H 0310-1177  
A75525000 JTC: 965

IM AUSTRALIAN AND NEW ZEALAND JOURNAL OF  
OPHTHALMOLOGY  
AUST N Z J OPHTHALMOL  
13N1,FEB 1985--  
ROYAL AUSTRALIAN COLLEGE OF OPHTHALMOLOGISTS  
SYDNEY AUSTRALIA  
CONTINUES: AUSTRALIAN JOURNAL OF  
OPHTHALMOLOGY AND: TRANSACTIONS OF THE  
OPHTHALMOLOGICAL SOCIETY OF NEW ZEALAND.  
IN PROCESS 0814-9763  
SR0053355 JTC: ANZ

- IM BRITISH JOURNAL OF VENEREAL DISEASES  
BR J VENER DIS  
1,1925-60,1984  
BRITISH MEDICAL ASSOCIATION  
LONDON ENGLAND  
CONTINUED BY: GENITOURINARY MEDICINE.  
W1 BR648 0007-134X  
B35740000 JTC: B40
- IM IMMUNOLOGICAL INVESTIGATIONS  
IMMUNOL INVEST  
14N1,FEB 1985--  
MARCEL DEKKER  
NEW YORK UNITED STATES  
CONTINUES: IMMUNOLOGICAL COMMUNICATIONS.  
W1 IM5103 0882-0139  
SR0054029 JTC: G15
- IM CLINICAL ONCOLOGY  
CLIN ONCOL  
1,MAR 1975-10N4,DEC 1984  
ACADEMIC PRESS  
LONDON ENGLAND  
CONTINUED BY EUROPEAN JOURNAL OF SURGICAL  
ONCOLOGY.  
W1 CL745 0305-7399  
C26200000 JTC: DFR
- HLI JOURNAL OF BIOETHICS  
J BIOETHICS  
4N1/2,SPRING/SUMMER 1983-5N2,FALL/WINTER  
1984  
HUMAN SCIENCES PRESS  
NEW YORK UNITED STATES  
SPONSORED BY THE NORTHWEST INSTITUTE OF  
ETHICS AND THE LIFE SCIENCES. CONTINUES:  
BIOETHICS QUARTERLY. CONTINUED BY: JOURNAL  
OF MEDICAL HUMANITIES AND BIOETHICS.  
W1 J0564BHX  
J14330000 JTC: IAA
- HLI DEATH EDUCATION  
DEATH EDUC  
1,1977-8N5-6,1984  
HEMISPHERE PUBLISHING CORPORATION  
WASHINGTON UNITED STATES  
CONTINUED BY: DEATH STUDIES.  
W1 DE107 0145-7624  
D02180000 JTC: ECF
- HLI JOURNAL OF MEDICAL HUMANITIES AND BIOETHICS  
J MED HUM BIOETHICS  
6N1,SPRING/SUMMER 1985--  
HUMAN SCIENCES PRESS  
NEW YORK UNITED STATES  
CONTINUES: JOURNAL OF BIOETHICS.  
IN PROCESS 0278-9523  
SR0054129 JTC: JMB
- HLI DEATH STUDIES  
DEATH STUD  
9N1,1985--  
HEMISPHERE PUBLISHING CORPORATION  
WASHINGTON UNITED STATES  
CONTINUES: DEATH EDUCATION.  
IN PROCESS 0748-1187  
SR0054128 JTC: GAS
- IDL REVISTA DA FACULDADE DE FARMACIA E  
ODONTOLOGIA DE RIBEIRAO PRETO  
REV FAC FARM ODONTOL RIBEIRO PRETO  
8,JAN/JUN,1971-20N1,JAN/JUN 1983  
FACULDADE DE FARMACIE E ODONTOLOGIA  
RIBEIRAO PRETO BRAZIL  
CONTINUES BOLETIM DA FACULDADE DE FARMACIA  
E ODONTOLOGIA DE RIBEIRAO PRETO. CONTINUED  
BY: REVISTA DA FACULDADE DE ODONTOLOGIA DE  
RIBEIRAO PRETO.  
W1 RE3682 0100-0160  
R33760000 JTC: RDF
- IM EUROPEAN JOURNAL OF SURGICAL ONCOLOGY  
EUR J SURG ONCOL  
11N1,MAR 1985--  
ACADEMIC PRESS  
LONDON ENGLAND  
CONTINUES: CLINICAL ONCOLOGY.  
W1 EU72J 0748-7983  
SR0053726 JTC: EUR
- IDL REVISTA DE FACULDADE DE ODONTOLOGIA DE  
RIBEIRAO PRETO  
REV FAC ODONTOL RIBEIRO PRETO  
20N2,JUL-DEC 1983--  
REVISTA DA FACULDADE DE ODONTOLOGIA DE  
RIBEIRAO PRETO  
RIBEIRAO PRETO BRAZIL  
CONTINUES: REVISTA DA FACULDADE DE  
FARMACIA E ODONTOLOGIA DE RIBEIRAO PRETO.  
ON ORDER 0102-129X  
SR0053957 JTC: REQ
- IM GENITOURINARY MEDICINE  
GENITOURIN MED  
61N1,FEB 1985--  
BRITISH MEDICAL ASSOCIATION  
LONDON ENGLAND  
CONTINUES: BRITISH JOURNAL OF VENEREAL  
DISEASES.  
W1 GE334 0266-4348  
SR0050007 JTC: GEM
- IM IMMUNOLOGICAL COMMUNICATIONS  
IMMUNOL COMMUN  
1N1,1972-13N6,1984  
MARCEL DEKKER  
NEW YORK UNITED STATES  
CONTINUED BY: IMMUNOLOGICAL INVESTIGATIONS.  
W1 IM51 0090-0877  
I06080000 JTC: GH4



IM TRANSACTIONS OF THE OPHTHALMOLOGICAL  
 SOCIETY OF NEW ZEALAND  
 TRANS OPHTHALMOL SOC NZ  
 1,1947-36,1984  
 MEDICAL ASSOCIATION OF NEW ZEALAND  
 WELLINGTON NEW ZEALAND  
 TRANSACTIONS FOR 1950 NOT PUBLISHED?  
 ISSUED AS SUPPLEMENT TO THE NEW ZEALAND  
 MEDICAL JOURNAL. TRANSACTIONS OF CONJOINT  
 MEETINGS WITH THE AUSTRALIAN COLLEGE OF  
 OPHTHALMOLOGISTS ARE ISSUED AND SHELVED  
 WITH THE TRANSACTIONS OF THE COLLEGE.  
 CONTINUED BY: AUSTRALIAN AND NEW ZEALAND  
 JOURNAL OF OPHTHALMOLOGY.  
 W1 TR2267 0300-8983  
 T17580000 JTC: W90

TITLES NO LONGER INDEXED AS OF MAY 1985

IM INTENSIVMEDIZINISCHE PRAXIS  
 INTENSIVMED PRAX  
 1,OKT 1979-6,OCT 1983  
 MARSEILLE  
 MUNCHEN GERMANY, WEST  
 SUPERSEDES ANASTHESIOLOGISCHE UND  
 INTENSIVMEDIZINISCHE PRAXIS. SUPPLEMENT TO  
 CHIRURGISCHE PRAXIS.  
 INDEXING BEGAN WITH BD.1,1979  
 W1 IN653P 0173-2315  
 I18635000 JTC: GPL

IM REVUE D OTO-NEURO-OPHTALMOLOGIE  
 REV OTONEUROOPHTALMOL  
 5N8,1927-N4/5,1984  
 EDITIONS DOIN DEREN  
 PARIS FRANCE  
 CONTINUES: REVUE D OTO-NEURO-OCULISTIQUE.  
 W1 RE833V 0035-2497  
 R45860000 JTC: SXT

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES--MAY 1985

The following substantive serial titles were received or ordered by the Serial Records Section. Titles indexed for MEDLINE, HEALTH, and POPLINE are listed in the "INDEXED TITLES UPDATE" section. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill

loans for titles not yet received by the Library. The list is offered as an early announcement and will include price information if known. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Esther Baldinger, (301) 496-1276 Technical Services Division, NLM.

ANALYTICAL SCIENCES  
 IN1,APR 1985--  
 JAPAN SOCIETY FOR ANALYTICAL CHEMISTRY  
 TOKYO JAPAN  
 ON ORDER  
 SR0054047 \$110.00  
 KATAKURA LIBRI, 36-9 HONGO-3 CHOME,  
 BUNKYO-KU, TOKYO 113, JAPAN

ANNALES DE L INSTITUT PASTEUR. VIROLOGIE  
 136N1,JAN/MAR 1985--  
 ELSEVIER  
 AMSTERDAM NETHERLANDS  
 CONTINUES: ANNALES DE VIROLOGIE.  
 IN PROCESS  
 SR0053808

BIOTECHNOLOGY AND GENETIC ENGINEERING

REVIEWS  
1,1984--  
INTERCEPT  
NEWCASTLE UPON ENGLAND  
TYNE  
ON ORDER  
SR0054055

BIOTECHNOLOGY SOFTWARE

1N1,1985--  
MARY ANN LIEBERT  
NEW YORK UNITED STATES  
ON ORDER  
SR0054008 \$85.00  
MARY ANN LIEBERT INC., 157 E. 86TH ST.,  
NEW YORK NY 10028

COMPUTER APPLICATIONS IN THE LABORATORY

1N1,MAR 1983--  
HUETHIG  
HEIDELBERG GERMANY, WEST  
ON ORDER  
SR0053929

CONTEMPORARY ISSUES IN FETAL AND NEONATAL  
MEDICINE

1,1985--  
BLACKWELL SCIENTIFIC  
BOSTON UNITED STATES  
CATALOGING IN PUBLICATION.  
ON ORDER - CIP  
SR0054116

CRC CRITICAL REVIEWS IN THERAPEUTIC DRUG

CARRIER SYSTEMS  
1N1,1984--  
CRC  
BOCA RATON FL UNITED STATES  
ON ORDER  
SR0053950

CURRENT PROBLEMS IN OBSTETRICS, GYNECOLOGY  
AND FERTILITY

8N1,JAN 1985?--  
YEAR BOOK MEDICAL PUBLISHERS  
CHICAGO UNITED STATES  
CONTINUES: CURRENT PROBLEMS IN OBSTETRICS  
AND GYNECOLOGY.  
IN PROCESS  
SR0053981  
YEAR BOOK MEDICAL PUBLISHERS, 35 E  
WACKER DR, CHICAGO IL 60601

DIAGNOSTIC CYTOPATHOLOGY

1N1,JAN/MAR 1985--  
IGAKU-SHOIN MEDICAL PUBLISHERS  
NEW YORK UNITED STATES  
IN PROCESS  
SR0053953 \$60.00  
IGAKU-SHOIN MEDICAL PUBLISHERS, 1140  
AVENUE OF THE AMERICAS, NEW YORK NY 10036

DIRECTORY OF PROFESSIONALS AND RESOURCES IN  
CANCER

1ST ED.,DEC 1984--  
MARQUIS WHOS WHO  
CHICAGO UNITED STATES  
ON ORDER  
SR0054103 \$125.00  
MARQUIS PUBLICATIONS, DEPT HM 200 EAST  
OHIO STREET, CHICAGO IL 60611

GOVERNMENT RESEARCH DIRECTORY

3RD ED.,1985--  
GALE RESEARCH COMPANY  
DETROIT UNITED STATES  
CONTINUES: GOVERNMENT RESEARCH CENTERS  
DIRECTORY.  
IN PROCESS  
SR0054120  
GALE RESEARCH CO, BOOK TOWER, DETROIT MI  
48226

HANDBOOK OF ENDOTOXIN

1,1984--  
ELSEVIER  
AMSTERDAM NETHERLANDS  
IN PROCESS  
SR0054025  
ELSEVIER SCIENCE PUBLISHING, 52  
VANDERBILT AVE, NEW YORK NY 10017

HISTOLOGY AND HISTOPATHOLOGY

1,JAN 1986--  
GUTENBERG  
MURCIA SPAIN  
ON ORDER  
SR0054104 \$110.00  
PROF. F. HERNANDEZ, PLAZA FUENSANTA 2-7  
C, 30.008 MURCIA, SPAIN

JOURNAL OF CHILD AND ADOLESCENT  
PSYCHOTHERAPY

1N1,1984--  
RIVENDELL FOUNDATION  
MEMPHIS TN UNITED STATES  
IN PROCESS  
SR0054069  
RIVENDELL FOUNDATION,210 JACKSON  
AVENUE,SUITE 611 BARRY BLDG,MEMPHIS TN  
38105

JOURNAL OF MEDICAL HUMANITIES AND BIOETHICS

6N1,SPRING/SUMMER 1985--  
HUMAN SCIENCES PRESS  
NEW YORK UNITED STATES  
CONTINUES: JOURNAL OF BIOETHICS.  
IN PROCESS  
SR0054129  
HUMAN SCIENCES PRESS, 72 FIFTH AVENUE,  
NEW YORK NY 10011

JOURNAL OF MEDICAL PRACTICE MANAGEMENT  
 1N1, JULY 1985--  
 WILLIAMS AND WILKINS  
 BALTIMORE UNITED STATES  
 ON ORDER  
 SR0053906 \$36.00

JOURNAL OF OCULAR PHARMACOLOGY  
 1N1, 1985--  
 MARY ANN LIEBERT  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0054009 \$80.00  
 MARY ANN LIEBERT INC., 157 E. 86TH ST.,  
 NEW YORK NY 10028

JOURNAL OF PRE-HOSPITAL CARE  
 1N1, MAR 1984--  
 EMERGENCY MEDICAL AND SAFETY ASSOCIATES  
 SAN ANTONIO TX UNITED STATES  
 OFFICIAL PUBLICATION OF THE NATIONAL  
 ASSOCIATION OF EMERGENCY MEDICAL  
 TECHNICIANS. ISSUE FOR MAR 1984 CALLED  
 ALSO SPECIAL PREVIEW ISSUE.  
 ON ORDER  
 SR0054028 \$20.00  
 JOURNAL OF PRE-HOSPITAL CARE, 434 W  
 NAKOMA ST, SAN ANTONIO TX 78216

JOURNAL DE TOXICOLOGIE CLINIQUE ET  
 EXPERIMENTALE  
 5N1, JAN/FEB 1985--  
 MASSON  
 PARIS FRANCE  
 CONTINUES: JOURNAL DE TOXICOLOGIE MEDICALE.  
 OFFICIAL ORGAN OF THE SOCIETE FRANCAISE DE  
 TOXICOLOGIE.  
 IN PROCESS  
 SR0054012

JOURNAL OF VETERINARY AND COMPARATIVE  
 ONCOLOGY  
 1N1, 1986--  
 MARY ANN LIEBERT  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0054007 \$110.00  
 MARY ANN LIEBERT INC., 157 E. 86TH ST.,  
 NEW YORK NY 10028

LASERS IN MEDICINE  
 JAN 1986--  
 CHAPMAN AND HALL  
 LONDON ENGLAND  
 ON ORDER  
 SR0054052

LINGUISTICS AND LANGUAGE BEHAVIOR ABSTRACTS  
 19N1, APR 1985--  
 SOCIOLOGICAL ABSTRACTS  
 LA JOLLA CA UNITED STATES  
 CONTINUES: LLBA; LANGUAGE AND LANGUAGE  
 BEHAVIOR ABSTRACTS.  
 IN PROCESS  
 SR0054026 \$130.00  
 LLBA, P.O. BOX 22206, SAN DIEGO CA  
 92122-0206

OPTOMETRY TODAY  
 25N1, 1985--  
 ASSOCIATION OF OPTICAL PRACTITIONERS  
 LONDON ENGLAND  
 CONTINUES: OPHTHALMIC OPTICIAN.  
 IN PROCESS  
 SR0054062  
 ASSOCIATION OF OPTICAL PRACTITIONERS AT  
 BRIDGE HOUSE, 233-234 BLACKFRIARS ROAD,  
 LONDON SE1 8NW, ENGLAND

PSYCHOTHERAPY  
 21N1, SPRING 1984--  
 AMERICAN PSYCHOLOGICAL ASSOCIATION  
 RIVER EDGE NJ UNITED STATES  
 CONTINUES: PSYCHOTHERAPY: THEORY, RESEARCH  
 AND PRACTICE.  
 IN PROCESS  
 SR0053988  
 SUBN. MANAGER PSYCHOTHERAPY, 912  
 KINDERKAMACK ROAD, RIVER EDGE NJ 07661

TOPICS IN AGING RESEARCH IN EUROPE  
 1, 1984--  
 EURAGE  
 RIJSDWIJK NETHERLANDS  
 ON ORDER  
 SR0053956

VIRAL IMMUNOLOGY  
 1, 1986--  
 MARY ANN LIEBERT  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0054006 \$135.00  
 MARY ANN LIEBERT INC., 157 E. 86TH ST.,  
 NEW YORK NY 10028

WAKAN IYAKU GAKKAISHI  
 1N1, JUL 1984--  
 WAKAN IYAKU GAKKAI  
 TOYAMA JAPAN  
 CONTINUES: WAKANYAKU SHINPOJIUMU.  
 ON ORDER  
 SR0053964  
 WAKAN IYAKU GAKKAI, C/O TOYAMA IKA YOKKA  
 DAIGAKU WAKANYAKU KENKYUSHO, 2630  
 SUGITANI, TOYAMA 930-01, JAPAN

APPENDIX A

DATABASE UPDATE SCHEDULE FOR 1985

<u>ENTRY MONTH</u>	<u>UPDATED MEDLINE/ SDILINE AVAILABLE</u>	<u>UPDATED HEALTH AVAILABLE</u>	<u>UPDATED POPLINE AVAILABLE</u>	<u>UPDATED CANCERLIT/ EXPRESS AVAILABLE</u>	<u>UPDATED TOXLINE AVAILABLE</u>
8501 (EM)	DEC 10	DEC 10	JAN 14	JAN 7	JAN 21
8502 (EM)	JAN 7	JAN 14	FEB 11	FEB 4	FEB 19
8503 (EM)	FEB 4	FEB 11	MAR 11	MAR 4	MAR 18
8504 (EM)	MAR 4	MAR 11	APR 15	APR 1	APR 15
8505 (EM)	APR 1	APR 8	MAY 13	MAY 6	MAY 20
8506 (EM)	MAY 6	MAY 13			

\*\*\*The following dates are changed from the previously published schedule as a result of the new Round-The-Clock availability.\*\*\*

8506 (EM)			JUN 8	JUN 1	JUN 15
8507 (EM)	JUN 1	JUN 8	JUL 13	JUN 29	JUL 13
8508 (EM)	JUN 29	JUL 6	AUG 10	AUG 3	AUG 17
8509 (EM)	AUG 3	AUG 10	SEP 14	AUG 31	SEP 14
8510 (EM)	AUG 31	SEP 7	OCT 12	OCT 5	OCT 19
8511 (EM)	OCT 5	OCT 12	NOV 9	NOV 2	NOV 16
8512 (EM)	NOV 2	NOV 9	DEC 14	DEC 7	DEC 14

December updates for POPLINE, CANCERLIT, and TOXLINE are subject to change.





## NLM Technical Bulletin Index -- Jan-Jun 1985

SUBJECT	DATE	ISSUE-PAGE
Abstracts		
MEDLINE, percent included	May 85	193-4
Access		
direct dial phone numbers changing	May 85	193-4
AVLINE, File Regeneration	Mar 85	191-10
	Apr 85	192-3
Baby Fae		
retrieval from BIOETHICSLINE	Feb 85	190-10
Billing		
March credit	May 85	193-4
BIOETHICSLINE		
keyword additions	Feb 85	190-10
MeSH, 1985 use	Feb 85	190-3
Popular Approach (PO) addition to Subject Caption (SC) field	May 85	193-4
CANCEREXPRESS		
List of Core Journals available regeneration	Mar 85	191-4
	Jun 85	194-11
CANCERLIT		
MeSH, 1985 use	Feb 85	190-3
regeneration	Jun 85	194-11
CANCERPROJ		
charges reinstated	Jun 85	194-3
free connect time until May 31, 85	Mar 85	191-3
Manual Chapter, revised	Mar 85	191-enclosure
update changes	Mar 85	191-7
CATLINE, File Regeneration	Mar 85	191-10
	Apr 85	192-3
Charges		
CANCERPROJ, reinstated	Jun 85	194-3
CHEMLINE/TOXLINE changes	Jan 85	189-5
	Jan 85	189-enclosure
Domestic and foreign	Jan 85	189-Appendix A
Hourly average	Apr 85	192-4
CHEMLINE		
File regeneration/enhancement	Apr 85	192-11
File regeneration accomplished	May 85	193-4
Ring structure data added	May 85	193-12
CLINPROT		
Index Term Listing available	Apr 85	192-6

Commands		
COMMENT		May 85 193-17
Data Element, Numeric		
search hint		Jun 85 194-12
DATE OF ENTRY (DA)		
<u>INDEX MEDICUS</u> ranges		Feb 85 190-enclosure
Direct Dial Phone Numbers Changing		May 85 193-4
DIRLINE		
Self-Instructional Guide		Feb 85 190-enclosure
correction		May 85 193-14
ELHILL		
Round-the-clock access		Apr 85 192-7
One copy down at 7:00 PM ET.		May 85 193-3
Holiday Schedule		
Independence Day		May 85 193-3
Memorial Day		Apr 85 192-3
Washington's Birthday		Jan 85 189-3
Interlibrary Loan		
Audiovisual Program starting April 1, 1985		May 85 193-18
Invoices		
March credit		May 85 193-4
Limiting		
English language, TOXLINE		Mar 85 191-9
List of Core Journals for <u>CANCEREXPRESS</u>		
availability		Mar 85 191-4
<u>List of Journals Indexed in Index Medicus</u>		
availability		Apr 85 192-5
<u>List of Serials Indexed for Online Users, 1985</u>		
availability		Feb 85 190-6
Login, special MEDLARS procedure		Jun 85 194-1
<u>Medical Subject Headings, Tree Annotations</u>		
1984 availability		Feb 85 190-7
1985 not published		Feb 85 190-7
MEDLARS		
ELHILL files up round-the-clock		Apr 85 192-7
expanded weekend hours		Mar 85 191-5
one copy down at 7:00 PM ET.		May 85 193-3
system changes		Feb 85 190-8
system restart		Feb 85 190-3
MEDLEARN Expanded Hours		Apr 85 192-3
MEDLINE		
abstract inclusion percentage		May 85 193-4
1982 citations moved back		Jan 85 189-3
MeSH		
BIOETHICSLINE		Feb 85 190-3
CANCERLIT		Feb 85 190-3
POPLINE		Feb 85 190-3
MESH VOCABULARY FILE		
backfile postings		Feb 85 190-3
MLA Annual Meeting		
<u>1985 Online Users Meeting announced</u>		Mar 85 191-4
NAF, File Regeneration		Mar 85 191-12
		Apr 85 192-3



NLM			
	Audiovisual Interlibrary Loan Program		
	starts April 1, 1985	May 85	193-18
OFFSEARCH, Abstract Inclusion		Feb 85	190-5
PDQ			
	deletion of file	Feb 85	190-3
	promotion via Hospital Satellite Network	Jan 85	189-14
PDQUFS			
	demonstration codes available	Mar 85	191-3
	extended hours	Feb 85	190-3
	revised manual available	Jan 85	189-3
	user guide available	May 85	193-5
Phones List		Jan 85	189-Appendix B
		Apr 85	192-Appendix A
POPLINE			
	MeSH, 1985 use	Feb 85	190-3
Printing, TOXLINE Option Changes		May 85	193-15
PRINTOUTS			
	large output/pick-up at NLM	May 85	193-5
Publications			
	List of Core Journals for CANCEREXPRESS		
	availability	Mar 85	191-4
	<u>List of Journals Indexed in Index Medicus</u>		
	availability	Apr 85	192-5
	<u>List of Serials Indexed for Online Users</u>		
	1985 availability	Feb 85	190-6
	<u>Medical Subject Headings, Tree Annotations</u>		
	1984 availability	Feb 85	190-7
	1985 not published	Feb 85	190-7
Regeneration			
	AVLINE	Mar 85	191-10
		Apr 85	192-3
	CANCEREXPRESS	Jun 85	194-11
	CANCERLIT	Jun 85	194-11
	CATLINE	Mar 85	191-10
		Apr 85	192-3
	CHEMLINE	Apr 85	192-11
		May 85	193-4
	NAF	Mar 85	191-12
		Apr 85	192-3
	TDB	Feb 85	190-6
REGISTRY NUMBER (RN)			
	Cancer databases	Jan 85	189-12
Ring Structure			
	CHEMLINE addition	May 85	193-12
	manual available	May 85	193-14
RPROJ, TOXLINE subfile		Feb 85	190-5
		Feb 85	190-9
RTECS			
	1983 hardcopy supplement available	Apr 85	192-6
SAVESEARCH			
	CANCERLIT	Jun 85	194-3
	completion message changed	Jan 85	189-3
	system restart message	Feb 85	190-3

SDI Service		
search limits	Apr 85	192-4
SDILINE		
zip codes for U.S.	Apr 85	192-3
Search Hints		
COMMENT command	May 85	193-17
English Language, limiting in TOXLINE	Mar 85	191-9
general aspects of a topic	Apr 85	192-14
numeric data element in CANCERLIT	Jun 85	194-12
YEAR OF PUBLICATION (YR)	Feb 85	190-4
SERLINE		
retrospective serial record additions	Jan 85	189-14
Standing Committee on Online Retrieval Education (SCORE)		
discontinued	Apr 85	192-18
STORESEARCH		
CANCERLIT	Jun 85	194-3
SUBJECT CAPTION (SC) field		
Popular Approach (PO) addition to BIOETHICSLINE	May 85	193-4
Subset Program Update	Jan 85	189-10
System Messages		
completion of SAVESEARCH changed restart	Jan 85 Feb 85	189-3 190-3
TDB		
file regeneration	Feb 85	190-6
included in TOXNET	May 85	193-6
user friendly version	Mar 85	191-3
<u>TECHNICAL BULLETIN</u>		
Index March 83 -- December 84	Feb 85	190-enclosure
subscriptions not available	Mar 85	191-3
Terminal Assistance	Feb 85	190-11
Tools		
<u>MeSH Supplementary Chemical Records, 1985</u>	Jan 85	189-4
TOXLINE		
Limiting, English Language	Mar 85	191-9
PRINT option changes	May 85	193-15
unit record	May 85	193-16
TOXNET		
Description	May 85 Jun 85	193-6 194-7
Training	Jan 85	189-6
Training Trainers		
MLA credit	Jan 85	189-4
MLA workshop	Apr 85	192-3
MLA workshop application	Feb 85	190-enclosure
Update Schedule	Jun 85	194-Appendix A
YEAR OF PUBLICATION (YR)		
search hint	Feb 85	190-4
Zip Codes		
SDILINE availability for U.S.	Apr 85	192-3

KEYWORD INDEX TO NLM LITERATURE SEARCHES (80-1 -- 85-1)  
 Charlotte Kenton  
 Reference Section, NLM

See the Technical Notes  
 in the July 1985  
 NLM Technical Bulletin  
 for ordering information.

L.S. NO.	TITLE
80-23	ABUSE Child
83- 1	ACQUIRED immunodeficiency syndrome (AIDS)
83- 5	ACQUIRED immunodeficiency syndrome (AIDS) (Updates LS 83- 1)
83-25	ACQUIRED immunodeficiency syndrome (AIDS) (Updates LS 83- 1 and 83- 5)
84- 9	ACQUIRED immunodeficiency syndrome (AIDS) (Updates LS 83- 1,83- 5,83-25)
84-18	ACQUIRED immunodeficiency syndrome (AIDS) (Updates LS 83- 1,83- 5,83-25, 84- 9)
84-32	ACQUIRED immunodeficiency syndrome (AIDS) (Updates LS 83- 1,83- 5,83-25,84- 9,84-18)
84-12	ADOLESCENT alcoholism (Updates LS 79-10)
84-15	ADOLESCENT parenthood
84-30	ADULT soft-tissue and osteogenic sarcomas--limb-sparing treatment
84-28	ADVERSE effects of aluminum
80-13	ADVERSE effects of intrauterine devices
81-23	ADVERSE effects of selenium
81-22	ADVERSE reactions to radiographic contrast media
80-30	AGENT orange
83-19	AGENT orange) Dioxin toxicology (including
81-12	AGING and the elderly Psychology of
80-25	AGING brain The
81-21	AGING heart The
83- 1	(AIDS) Acquired immunodeficiency syndrome
83- 5	(AIDS) Acquired immunodeficiency syndrome (Updates LS 83- 1)
83-25	(AIDS) Acquired immunodeficiency syndrome (Updates LS 83- 1 and 83- 5)
84- 9	(AIDS) Acquired immunodeficiency syndrome (Updates LS 83- 1,83- 5,83-25)
84-18	(AIDS) Acquired immunodeficiency syndrome (Updates LS 83- 1,83- 5,83-25,84- 9)
84-32	(AIDS) Acquired immunodeficiency syndrome (Updates LS 83- 1,83-5,83-25,84- 9, 84-18)
83-34	AIR pollution Indoor
83-22	ALCOHOL consumption and fetal and newborn effects including the fetal alcohol syndrome (FAS) Maternal (Updates LS 78-13)
84-12	ALCOHOLISM Adolescent (Updates LS 79-10)
83- 4	ALCOHOLISM Genetic factors in
84-28	ALUMINUM Adverse effects of
84- 5	ALZHEIMER'S disease
80-10	AMANTADINE and influenza
84-34	AMBULATORY care centers Freestanding
82-13	AMERICANS Health needs and services for Hispanic
84- 2	ANALGESIC associated kidney disease
81- 5	ANGIOPLASTY Percutaneous transluminal
SBS 1984-1	ANIMAL welfare Laboratory
80-14	ANIMALS Inborn errors of metabolism in
83-15	ANOREXIA nervosa and bulimia
80-21	ANTIBIOTIC resistance Plasmids as vectors of
83-30	ANTICARCINOGENS Vitamins as
83-12	APNEA Sleep
82- 8	AQUATIC toxicology of metals and metallic compounds
81-25	ARSENIC toxicology
82- 3	ARTHRITIS Juvenile rheumatoid
82- 6	ASBESTOS toxicology
82-23	ASSESSMENT for the health professions Simulation in education and
80-11	ASSISTANTS Nurse practitioners and physicians'
81-27	AUDIOVISUAL aids, computer assisted instruction, and programmed instruction in education for the health professions (Updates LS 78-10,78-11,78-15,78-16,78-18,78-19,78-25)
82-21	AUDIOVISUAL aids, computer assisted instruction, and programmed instruction in patient education
80-27	BENDECTIN and debendox
80- 9	BENZENE toxicology
83- 6	BIOMATERIALS Clinical applications of
SBS 1980-1	BIOMEDICAL effects of volcanoes
80-32	BIPHENYL compounds Toxicology of polybrominated
80-26	BIPHENYL compounds Toxicology of polychlorinated
83-14	BIRTH weight infant--outcome, mortality, intensive care Low
84- 6	BONE marrow transplantation in leukemia and solid tumors
81- 3	BOTULISM Infant
81-20	BRAIN Computed tomographic scanning of the
82- 2	BRAIN death criteria
80-25	BRAIN The aging
83-15	BULIMIA Anorexia nervosa and
81-19	BULLOSA Epidermolysis
80-16	BURN patients Emergency care for
84-16	BUTYLATED hydroxyanisole (BHA) or butylated hydroxytoluene (BHT)
84-16	BUTYLATED hydroxytoluene (BHT) Butylated hydroxyanisole (BHA) or

80-28 CANCER Diet and  
 81-18 CANCER Psychologic aspects of (Updates LS 77-17)  
 80-17 CANINE parvovirus (CPV)  
 80- 4 CARDIOPULMONARY resuscitation (CPR)  
 83-32 CARDIOVASCULAR disease Psychological stress related to the etiology of  
 84-25 CARE Home  
 82-12 CARE unit patients Outcome for intensive  
 84-34 CENTERS Freestanding ambulatory care  
 80-23 CHILD abuse  
 81- 7 CHILDREN Lead exposure in  
 81-17 CHILDREN Rotavirus infections in infants and  
 82- 5 CHINA Medicine and health in  
 SPEC NO CHINA Medicine and health in (in Chinese)  
 84-29 CHORIONIC villi sampling  
 83- 3 (CHLORDECONE) toxicology Kepone  
 81-24 CHROMIUM toxicology  
 82-15 CISPLATIN  
 82- 7 CLASSIFICATION Diagnosis-related patient  
 83- 6 CLINICAL applications of biomaterials  
 83- 2 COCHLEAR implants  
 81-20 COMPUTED tomographic scanning of the brain  
 81-27 COMPUTER assisted instruction, and programmed instruction in  
         education for the health professions Audiovisual aids,  
 82-21 COMPUTER assisted instruction, and programmed instruction in  
         patient education Audiovisual aids,  
 83-18 CONGENITAL nevi Precursors to malignant melanoma-dysplastic or  
 82-14 CONSENT Informed  
 83-23 CONTAINMENT Health care cost  
 81-22 CONTRAST media Adverse reactions to radiographic  
 81-11 COSMETICS Adverse effects of  
 83-23 COST containment Health care  
 81- 2 COUNSELING Genetic screening and  
 82-18 COUNTRIES Drugs and pharmacy in developing  
 83-20 CRIMES: psychiatric and legal aspects Mental disorders and violent  
 83-26 CYCLOSPORIN  
 82- 2 DEATH criteria Brain  
 81- 6 DEATH syndrome Sudden infant (Updates LS 76-17)  
 80-27 DEBENDOX Bendectin and  
 84-27 DEGENERATION Senile macular  
 82-30 DEINSTITUTIONALIZATION  
 83-24 DENTAL sealants  
 83-31 DEPRESSION Dexamethasone suppression test in psychiatry, especially  
 82-18 DEVELOPING countries Drugs and pharmacy in  
 80-13 DEVICES Adverse effects of intrauterine  
 83-31 DEXAMETHASONE suppression test in psychiatry, especially depression  
 82-28 DIABETES Non-insulin-dependent (type 2)  
 82- 1 DIAGNOSIS Nursing  
 83-29 DIAGNOSIS Nursing (Updates LS 82- 1)  
 82- 7 DIAGNOSIS-related patient classification  
 82-20 DIAGNOSTIC ultrasound in pregnancy  
 84- 1 DIAGNOSTIC ultrasound in pregnancy (Updates LS 82-20)  
 81- 9 DIARRHEA Traveler's  
 84-36 DIARRHEA Travelers' (Updates LS 81- 9)  
 83-28 DIBROMIDE toxicology Ethylene  
 84-23 DIESEL engine emissions Health effects of  
 80-28 DIET and cancer  
 81-29 DIET and hyperactivity  
 80- 3 DIET Elemental  
 80-31 DIMETHYL sulfoxide Therapeutic use of  
 83-19 DIOXIN toxicology (including agent orange)  
 84- 7 DRGS and prospective pricing (Updates LS 82- 7)  
 82-22 DRUG interactions Food and  
 82-19 DRUG therapy for leprosy patients  
 82-18 DRUGS and pharmacy in developing countries  
 80- 5 DRUGS and the elderly  
 82-29 DYSKINESIA Tardive  
 83-18 DYSPLASTIC or congenital nevi Precursors to malignant melanoma  
 82-23 EDUCATION and assessment for the health professions Simulation in  
 82-21 EDUCATION Audiovisual aids, computer assisted instruction, and  
         programmed instruction in patient  
 81-27 EDUCATION for the health professions Audiovisual aids, computer  
         assisted instruction, and programmed instruction in  
 80- 5 ELDERLY Drugs and the  
 81-14 ELDERLY Nutrition and the  
 81-13 ELDERLY Psychiatry and the  
 81-12 ELDERLY Psychology of aging and the  
 80-12 ELDERLY Surgery and the  
 80- 3 ELEMENTAL diet  
 80-16 EMERGENCY care for burn patients

84-23 EMISSIONS Health effects of diesel engine  
 84-23 ENGINE emissions Health effects of diesel  
 81-19 EPIDERMOLYSIS bullosa  
 82-26 ESOPHAGEAL reflux  
 83-28 ETHYLENE dibromide toxicology  
 82-16 FAILURE to thrive  
 83-22 (FAS) Maternal alcohol consumption and fetal and newborn effects  
     including the fetal alcohol syndrome (Updates LS 78-13)  
 83-33 FERTILIZATION In vitro (Updates LS 79- 2)  
 83-22 FETAL and newborn effects including the fetal alcohol syndrome (FAS)  
     Maternal alcohol consumption and (Updates LS 78-13)  
 84-10 FETAL surgery  
 82-22 FOOD and drug interactions  
 81- 8 FOREIGN medical graduates in the U.S. (Updates LS 79-14)  
 82-11 FORMALDEHYDE toxicology  
 84-34 FREESTANDING ambulatory care centers  
 84-21 FRESH frozen plasma  
 84-21 FROZEN plasma Fresh  
 83- 4 GENETIC factors in alcoholism  
 81- 2 GENETIC screening and counseling  
 81- 8 GRADUATES in the U.S. Foreign medical (Updates LS 79-14)  
 83-11 GROWTH retardation (IUGR) Intrauterine  
 83-23 HEALTH care cost containment  
 84-23 HEALTH effects of diesel engine emissions  
 82- 4 HEALTH effects of nuclear radiation  
 82- 5 HEALTH in China Medicine and  
 SPEC NO HEALTH in China Medicine and (in Chinese)  
 82-13 HEALTH needs and services for Hispanic Americans  
 81-27 HEALTH professions Audiovisual aids, computer assisted instruction,  
     and programmed instruction in education for the  
 82-23 HEALTH professions Simulation in education and assessment for the  
 81-21 HEART The aging  
 84-17 HEMORRHAGE Neonatal intraventricular  
 83-27 HEPATITIS B vaccine  
 82-17 HIP replacement Total  
 82-13 HISPANIC Americans Health needs and services for  
 80-19 HLA incidence in disease  
 84-25 HOME care  
 83-35 HOMELESS The  
 84- 4 HOSPICES (Updates LS 79- 8)  
 83-17 HOSPITAL information systems  
 84-24 HOSPITAL relations Medical staff and  
 84-33 (HTLV) Human T-cell leukemia/lymphoma virus  
 84-33 HUMAN T-cell leukemia/lymphoma virus (HTLV)  
 80-22 HYBRIDOMAS and their products Lymphocyte  
 84-16 HYDROXYANISOLE (BHA) or butylated hydroxytoluene (BHT) Butylated  
 84-16 HYDROXYTOLUENE (BHT) Butylated hydroxyanisole (BHA) or butylated  
 81-29 HYPERACTIVITY and Diet  
 83-13 HYPERTRIGLYCERIDEMIA  
 83- 7 IMAGING Nuclear magnetic resonance  
 83- 1 IMMUNODEFICIENCY syndrome (AIDS) Acquired  
 83- 5 IMMUNODEFICIENCY syndrome (AIDS) Acquired (Updates LS 83- 1)  
 83-25 IMMUNODEFICIENCY syndrome (AIDS) Acquired (Updates LS 83- 1,83- 5)  
 84- 9 IMMUNODEFICIENCY syndrome (AIDS) Acquired (Updates LS 83- 1,83- 5,83-25)  
 84-18 IMMUNODEFICIENCY syndrome (AIDS) Acquired (Updates LS 83- 1,83- 5,83-25, 84- 9)  
 84-32 IMMUNODEFICIENCY syndrome (AIDS) Acquired (Updates LS 83- 1,83- 5,83-25,84- 9,84-18)  
 80-15 IMMUNOLOGY Malaria  
 81-10 IMPAIRED physician, including occupational risks The  
 83- 2 IMPLANTS Cochlear  
 83-33 IN VITRO fertilization (Updates LS 79- 2)  
 80-14 INBORN errors of metabolism in animals  
 83-34 INDOOR air pollution  
 81- 3 INFANT botulism  
 83-14 INFANT--outcome, mortality, intensive care Low birth weight  
 81-17 INFANTS and children Rotavirus infections in  
 81-17 INFECTIONS in infants and children Rotavirus  
 84-22 INFLAMMATORY disease Pelvic  
 80-10 INFLUENZA Amantadine and  
 83-17 INFORMATION systems Hospital  
 82-14 INFORMED consent  
 83-16 INFUSION pumps Portable  
 82- 9 INHALATION injury  
 80- 2 INJURIES therapy and rehabilitation Spinal cord  
 82- 9 INJURY Inhalation  
 83-21 INSOMNIA: correlates and treatment considerations  
 81-27 INSTRUCTION, and programmed instruction in education for the  
     health professions Audiovisual aids, computer assisted  
 82-21 INSTRUCTION, and programmed instruction in patient education  
     Audiovisual aids, computer assisted

82-28 INSULIN-dependent (type 2) diabetes Non  
 83-14 INTENSIVE care Low birth weight infant--outcome, mortality,  
 82-12 INTENSIVE care unit patients Outcome for  
 80-13 INTRAUTERINE devices Adverse effects of  
 83-11 INTRAUTERINE growth retardation (IUGR)  
 84-17 INTRAVENTRICULAR hemorrhage Neonatal  
 83-11 (IUGR) Intrauterine growth retardation  
 81-15 JAUNDICE Phototherapy for neonatal  
 82- 3 JUVENILE rheumatoid arthritis  
 83- 3 KEPONE (chlordecone) toxicology  
 84-14 KERATINOCYTE The  
 84- 2 KIDNEY disease Analgesic associated  
 SBS 1984-1 LABORATORY animal welfare  
 81- 7 LEAD exposure in children  
 83-20 LEGAL aspects Mental disorders and violent crimes: psychiatric and  
 80-24 LEGIONNAIRES' disease  
 82-19 LEPROSY patients Drug therapy for  
 84- 6 LEUKEMIA and solid tumors Bone marrow transplantation in  
 84-33 LEUKEMIA/lymphoma virus (HTLV) Human T-cell  
 81-28 LIBRARY of Medicine The National (Updates LS 78-21)  
 84-30 LIMB-SPARING treatment Adult soft-tissue and osteogenic sarcomas  
 83- 9 LIVER transplantation  
 83-14 LOW birth weight infant--outcome, mortality, intensive care  
 83-10 LYME disease  
 80-22 LYMPHOCYTE hybridomas and their products  
 84-33 LYMPHOMA virus (HTLV) Human T-cell leukemia/  
 83- 7 MAGNETIC resonance imaging Nuclear  
 84-27 MACULAR degeneration Senile  
 80-15 MALARIA immunology  
 81-16 MALE reproductive toxicology  
 83-18 MALIGNANT melanoma-dysplastic or congenital nevi Precursors to  
 84-31 MALIGNANT syndrome Neuroleptic  
 83-22 MATERNAL alcohol consumption and fetal and newborn effects including the  
       fetal alcohol syndrome (FAS) (Updates LS 78-13)  
 81- 8 MEDICAL graduates in the U.S. Foreign (Updates LS 79-14)  
 84-24 MEDICAL staff and hospital relations  
 82- 5 MEDICINE and health in China  
 SPEC NO MEDICINE and health in China (in Chinese)  
 83-18 MELANOMA-dysplastic or congenital nevi Precursors to malignant  
 83-20 MENTAL disorders and violent crimes: psychiatric and legal aspects  
 80-20 MENTALLY retarded Sexual sterilization of the  
 80-14 METABOLISM in animals Inborn errors of  
 82- 8 METALS and metallic compounds Aquatic toxicology of  
 84- 8 MOOD disorders Recurrent  
 83-14 MORTALITY, intensive care Low birth weight infant--outcome  
 84-35 MULTIPLE personality disorder  
 81-28 NATIONAL Library of Medicine The (Updates LS 78-21)  
 82-13 NEEDS and services for Hispanic Americans Health  
 84-17 NEONATAL intraventricular hemorrhage  
 81-15 NEONATAL jaundice Phototherapy for  
 83-15 NERVOSA and bulimia Anorexia  
 81- 1 NEUROBEHAVIORAL toxicology Occupational  
 84-31 NEUROLEPTIC malignant syndrome  
 81-26 NEUROPEPTIDES  
 83-18 NEVI Precursors to malignant melanoma-dysplastic or congenital  
 83-22 NEWBORN effects including the fetal alcohol syndrome (FAS) Maternal  
       alcohol consumption and fetal and (Updates LS 78-13)  
 82-28 NON-insulin-dependent (type 2) diabetes  
 83- 7 NUCLEAR magnetic resonance imaging  
 82- 4 NUCLEAR radiation Health effects of  
 80-11 NURSE practitioners and physicians' assistants  
 82- 1 NURSING diagnosis  
 83-29 NURSING diagnosis (Updates LS 82- 1)  
 81-14 NUTRITION and the elderly  
 85- 1 OBESITY Surgical treatment of morbid  
 81- 1 OCCUPATIONAL neurobehavioral toxicology  
 81-10 OCCUPATIONAL risks The impaired physician, including  
 82-25 ORAL rehydration therapy  
 80-30 ORANGE Agent  
 83-19 ORANGE) Dioxin toxicology (including agent  
 84-19 ORGANIZATIONS Preferred provider (PPOS)  
 84-30 OSTEOGENIC sarcomas--limb-sparing treatment Adult soft-tissue and  
 84- 3 OSTEOPOROSIS  
 82-12 OUTCOME for intensive care unit patients  
 83-14 OUTCOME, mortality, intensive care Low birth weight infant  
 84-15 PARENTHOOD Adolescent  
 80-17 PARVOVIRUS (CPV) Canine  
 80- 1 PASSIVE smoking  
 82- 7 PATIENT classification Diagnosis-related

82-21 PATIENT education Audiovisual aids, computer assisted instruction,  
and programmed instruction in

82-19 PATIENTS Drug therapy for leprosy

80-16 PATIENTS Emergency care for burn

82-12 PATIENTS Outcome for intensive care unit

84-22 PELVIC inflammatory disease

81- 5 PERCUTANEOUS transluminal angioplasty

84-35 PERSONALITY disorder Multiple

82-18 PHARMACY in developing countries Drugs and

81-15 PHOTOTHERAPY for neonatal jaundice

81-10 PHYSICIAN, including occupational risks The impaired

80-11 PHYSICIANS' assistants Nurse practitioners and

84-21 PLASMA Fresh frozen

80-21 PLASMIDS as vectors of antibiotic resistance

83-34 POLLUTION Indoor air

80-32 POLYBROMINATED biphenyl compounds Toxicology of

80-26 POLYCHLORINATED biphenyl compounds Toxicology of

83-16 PORTABLE infusion pumps

82-27 POSITRON emitted tomography

84-13 POSTTRAUMATIC stress disorder

80-11 PRACTITIONERS and physicians' assistants Nurse

83-18 PRECURSORS to malignant melanoma-dysplastic or congenital nevi

84-19 PREFERRED provider organizations (PPOS)

82-20 PREGNANCY Diagnostic ultrasound in

84- 1 PREGNANCY Diagnostic ultrasound in (Updates LS 82-20)

84-11 PREMENSTRUAL syndrome

84- 7 PRICING DRGS and prospective (Updates LS 82- 7)

81-27 PROFESSIONS Audiovisual aids, computer assisted instruction,  
and programmed instruction in education for the health

82-23 PROFESSIONS Simulation in education and assessment for the health

81-27 PROGRAMMED instruction in education for the health professions  
Audiovisual aids, computer assisted instruction, and

82-21 PROGRAMMED instruction in patient education Audiovisual aids,  
computer assisted instruction, and

84-19 (PPOS) Preferred provider organizations

84- 7 PROSPECTIVE pricing DRGS and (Updates LS 82- 7)

84-19 PROVIDER organizations Preferred (PPOS)

80- 6 PSORIASIS therapy

83-20 PSYCHIATRIC and legal aspects Mental disorders and violent crimes:

81-13 PSYCHIATRY and the elderly

83-31 PSYCHIATRY, especially depression Dexamethasone suppression test in

81-18 PSYCHOLOGIC aspects of cancer (Updates LS 77-17)

83-32 PSYCHOLOGICAL stress related to the etiology of cardiovascular  
disease

81-12 PSYCHOLOGY of aging and the elderly

83-16 PUMPS Portable infusion

82- 4 RADIATION Health effects of nuclear

81-22 RADIOGRAPHIC contrast media Adverse reactions to

83- 8 RANITIDINE

84- 8 RECURRENT mood disorders

82-26 REFLUX Esophageal

82-25 REHYDRATION therapy Oral

80-29 REIMPLANTATION

82-17 REPLACEMENT Total hip

81-16 REPRODUCTIVE toxicology Male

80-21 RESISTANCE Plasmids as vectors of antibiotic

84-26 RESPIRATORY diseases Weather and

80- 4 RESUSCITATION (CPR) Cardiopulmonary

83-11 RETARDATION (IUGR) Intrauterine growth

80-20 RETARDED Sexual sterilization of the mentally

80- 7 REYE'S syndrome

82- 3 RHEUMATOID arthritis Juvenile

81-10 RISKS The impaired physician, including occupational

81-17 ROTAVIRUS infections in infants and children

84-20 SARCOIDOSIS

84-30 SARCOMAS--limb-sparing treatment Adult soft-tissue and osteogenic

81-20 SCANNING of the brain Computed tomographic

81- 2 SCREENING and counseling Genetic

83-24 SEALANTS Dental

81-23 SELENIUM Adverse effects of

80-18 SELF-CARE

84-27 SENILE macular degeneration

82-13 SERVICES for Hispanic Americans Health needs and

80-20 SEXUAL sterilization of the mentally retarded

82-24 SHOCK syndrome Toxic

83-12 SLEEP apnea

80- 1 SMOKING Passive

84-30 SOFT-TISSUE and osteogenic sarcomas--limb-sparing treatment Adult

80- 2 SPINAL cord injuries therapy and rehabilitation

84-24 STAFF and hospital relations Medical  
80-20 STERILIZATION of the mentally retarded Sexual  
84-13 STRESS disorder Posttraumatic  
83-32 STRESS related to the etiology of cardiovascular disease Psychological  
81- 6 SUDDEN infant death syndrome (Updates LS 76-17)  
80-31 SULFOXIDE Therapeutic use of dimethyl  
83-31 SUPPRESSION test in psychiatry, especially depression Dexamethasone  
80-12 SURGERY and the elderly  
84-10 SURGERY Fetal  
85- 1 SURGICAL treatment of morbid obesity  
83- 1 SYNDROME (AIDS) Acquired immunodeficiency  
83- 5 SYNDROME (AIDS) Acquired immunodeficiency (Updates LS 83- 1)  
83-25 SYNDROME (AIDS) Acquired immunodeficiency (Updates LS 83- 1,83- 5)  
84- 9 SYNDROME (AIDS) Acquired immunodeficiency (Updates LS 83- 1,83- 5,83-25)  
84-18 SYNDROME (AIDS) Acquired immunodeficiency (Updates LS 83- 1,83- 5,83-25,84- 9)  
84-32 SYNDROME (AIDS) Acquired immunodeficiency (Updates LS 83- 1,83- 5,83-25,84- 9,84-18)  
83-22 SYNDROME (FAS) Maternal alcohol consumption and fetal and newborn  
effects including the fetal alcohol (Updates LS 78-13)  
84-31 SYNDROME Neuroleptic malignant  
84-11 SYNDROME Premenstrual  
80- 7 SYNDROME Rege's  
81- 6 SYNDROME Sudden infant death (Updates LS 76-17)  
82-24 SYNDROME Toxic shock  
83-17 SYSTEMS Hospital information  
84-33 T-CELL leukemia/lymphoma virus (HTLV) Human  
82-29 TARDIVE dyskinesia  
83-31 TEST in psychiatry, especially depression Dexamethasone suppression  
83-35 THE homeless  
84-14 THE keratinocyte  
80-31 THERAPEUTIC use of dimethyl sulfoxide  
82-19 THERAPY for leprosy patients Drug  
82-25 THERAPY Oral rehydration  
82-16 THRIVE Failure to  
81-20 TOMOGRAPHIC scanning of the brain Computed  
82-27 TOMOGRAPHY Positron emitted  
82-17 TOTAL hip replacement  
82-24 TOXIC shock syndrome  
81-25 TOXICOLOGY Arsenic  
82- 6 TOXICOLOGY Asbestos  
80- 9 TOXICOLOGY Benzene  
81-24 TOXICOLOGY Chromium  
83-28 TOXICOLOGY Ethylene dibromide  
82-11 TOXICOLOGY Formaldehyde  
83-19 TOXICOLOGY (including agent orange) Dioxin  
83- 3 TOXICOLOGY Kepone (chlordecone)  
81-16 TOXICOLOGY Male reproductive  
81- 1 TOXICOLOGY Occupational neurobehavioral  
82- 8 TOXICOLOGY of metals and metallic compounds Aquatic  
80-32 TOXICOLOGY of polybrominated biphenyl compounds  
80-26 TOXICOLOGY of polychlorinated biphenyl compounds  
80- 8 TOXICOLOGY Vinyl chloride  
82-10 TOXICOLOGY Zinc  
81- 5 TRANSLUMINAL angioplasty Percutaneous  
84- 6 TRANSPLANTATION in leukemia and solid tumors Bone marrow  
83- 9 TRANSPLANTATION Liver  
81- 9 TRAVELER'S diarrhea  
84-36 TRAVELERS' diarrhea (Updates LS 81- 9)  
84- 6 TUMORS Bone marrow transplantation in leukemia and solid  
82-20 ULTRASOUND in pregnancy Diagnostic  
84- 1 ULTRASOUND in pregnancy Diagnostic (Updates LS 82-20)  
83-27 VACCINE Hepatitis B  
80-21 VECTORS of antibiotic resistance Plasmids as  
84-29 VILLI sampling Chorionic  
80- 8 VINYL chloride toxicology  
83-20 VIOLENT crimes: psychiatric and legal aspects Mental disorders and  
84-33 VIRUS (HTLV) HUMAN T-cell leukemia/lymphoma  
83-30 VITAMINS as anticarcinogens  
SBS 1980-1 VOLCANOES Biomedical effects of  
83-14 WEIGHT infant--outcome, mortality, intensive care Low birth  
84-26 WEATHER and respiratory diseases  
82-10 ZINC toxicology







# The NLM Technical Bulletin

ISSN 0146-3055

JULY 1985

No. 195

## In This Issue:

Revision Of The Domestic MEDLARS Online Memorandum Of Understanding (MOU)	1
The NEWS In Review	8
Still More On TOXNET	12
TDB Review Management Changed	17
POPLINE Adds A Contributor	18
<i>Monthly Search Hint</i> Searching Nursing Topics	20

Appendix A – Map Of Online Centers

Appendix B – Updated SDI Form

## Regular Features:

Databases	2
Technical Notes	3
Serials Update	23

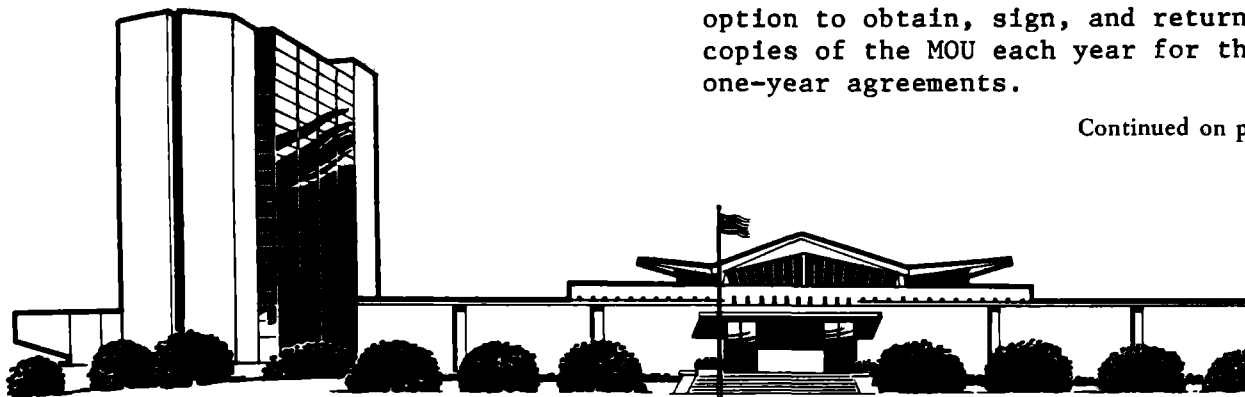
## Revision Of The Domestic MEDLARS Online Memorandum Of Understanding (MOU)

Lois Ann Colaianni  
Associate Director for Library Operations,  
NLM

In June 1984, the National Library of Medicine revised its domestic Memorandum of Understanding (MOU). Copies of the revised MOU were sent to all domestic MEDLARS® users to be signed and returned to NLM.

Several institutions indicated to NLM that they were unable to sign the MOU because it is an open-ended agreement and does not have a one-year limit. In accordance with the section in the MOU providing a mechanism for revising the MOU without the necessity of each user signing the new version, NLM has revised the MOU to permit an institution or individual to select a one-year agreement. It will be the responsibility of the institution or individual selecting the one year option to obtain, sign, and return two copies of the MOU each year for these one-year agreements.

Continued on page 7



DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
(ELHILL SYSTEM)				
AVLINE	13,498	THROUGH 1985	11 JUL 85	
BIOETHICS	18,502	JAN 73-JUN 85	22 JUN 85	8506(EM)
CANCERLIT	468,417	JAN 63-JUL 85	29 JUN 85	8507(EM)
CANCERPROJ	5,591	THROUGH 1984	29 JUN 85	8507(EM)
CATLINE	591,911	THROUGH 1985	03 JUL 85	
CHEMLINE	637,152		22 JUN 85	8506(EM)
CLINPROT	4,934		26 JUN 85	8506(EM)
DIRLINE	14,816		25 MAR 85	
EXPRESS	7,567	JAN 85-JUL 85	29 JUN 85	8507(EM)
HEALTH	316,046	JAN 75-AUG 85	06 JUL 85	8508(EM)
HISTLINE	66,737		29 JUN 85	8505(EM)
MEDLINE	637,097	JAN 83-AUG 85	29 JUN 85	8508(EM)
MED80	804,806	JAN 80-DEC 82	10 JUN 85	
MED77	775,078	JAN 77-DEC 79	04 FEB 85	
MED75	642,710	JAN 75-DEC 76	10 DEC 84	
MED71	883,860	JAN 71-DEC 74	22 JUN 85	
MED66	954,618	JAN 66-DEC 70	06 MAY 85	
MESH VOC	54,252	1985	13 JUN 85	
NAME AUTH	178,967		06 JUL 85	
POPLINE	133,972	1970-JUL 85	13 JUL 85	8507(EM)
RTECS	74,794	THROUGH APR 85	31 MAY 85	
SDILINE	24,099	AUG 85	29 JUN 85	8508(EM)
SERLINE	65,180	1985	17 JUN 85	
TDB	4,114		28 JAN 85	
TOXLINE	605,719		13 JUL 85	8507(EM)
CBAC	348,846	1981-VOL 102(12,13)		
TOXBIB	129,939	1981-AUG 85		
IPA (ASHP)	29,734	1981-VOL 22(13)		
HEEP	49,788	1981-VOL 14(8)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	5,937	1981-APR 1984		
TD3	17,208	1981-GRA&I 85(8,9)		
HMTc	805			
ILO	3,411	FEB 1985		
RPROJ/CRISP	10,016	FY 83 and 84		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXBIB	106,643	1976-1980		
IPA (ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA (ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAPAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		
(TOXNET SYSTEM)				
TDB	4,138		01 JUL 85	
HSDB	4,138		01 JUL 85	
INTROTOX	30		08 JUL 85	

Editor: Carolyn B. Tilley  
 Assistant Editor: T. Scott Plutchak  
 Technical Notes Editor: Patricia E. Healy  
 Layout/Design: Joseph P. Fitzgerald  
 (301) 496-6193

Direct Inquiries to:  
 MEDLARS Management Section  
 National Library of Medicine  
 Bldg. 38A, Rm. 4N421  
 Bethesda, Maryland 20209

## Technical Notes

Whenever applicable, the heading of each Technical Note includes a reference to the section of the Online Services Reference Manual, 1982 and Supplement, 1984 that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

### LABOR DAY HOLIDAY SCHEDULE (REVISED)

Revision: It is expected that the ELHILL databases (e.g., MEDLINE, TOXLINE®, etc.) will be up on the NLM computer on a non-guaranteed basis on Monday, September 2, 1985, Labor Day. (PDQ and MEDLEARN, however, will be unavailable. TOXNET will be available all day.) Non-guaranteed hours will be in effect from 5:00 pm Eastern Time (ET) on Saturday, August 31, 1985 until 11:15 pm ET on September 2, 1985. If the computer fails at any time after 5:00 pm ET on August 31, it is unlikely that it will be restarted until after 11:15 pm ET September 2. The computer room will not be staffed September 2. Non-prime rates will be in effect all day. The MEDLARS Management Service Desk will not be staffed.

This availability of the computer is a change from the status of availability as announced in the holiday schedule published in the October 1984 NLM Technical Bulletin, page 8.

Previously the computer was scheduled to be down. However, with the new 24-hour availability of the ELHILL files (effective June 1, 1985), the computer is expected to be up, but non-guaranteed. Any future changes to this status for the computer will be announced in the online NEWS.□

### MEDLEARN HOURS

Effective June 1, 1985, MEDLEARN hours are:

5:00 am - 11:00 pm	Monday-Friday
7:00 am - 11:00 pm	Saturday
Unavailable	Sunday

All times listed are Eastern Time.□

### SERVICE DESK ANSWERING MACHINE

Effective June 1, 1985 it became possible for users to leave a message on the MMS telephone answering machine when calling the Toll-Free Service Desk number ((800) 638-8480) after regularly scheduled MMS Service Desk hours (Monday - Friday 8:30 am ET - 5:00 pm ET). Callers should provide MMS with the following information after listening to the pre-recorded announcement: name, institution, city, state, User ID code, telephone number, and a brief description of the assistance needed. All messages will be retrieved at the beginning of the next working day, and an MMS staff person will return the call as soon as possible. Users are encouraged to send to MMS any suggestions/comments regarding this new MEDLARS Service Desk feature.□

### USER IDs IN TOXNET

The ELHILL part of the MEDLARS system will permit access using either a five-character User ID code, e.g., XYZ01, or an eight-character User ID code, e.g., MEDXYZ01. In other words, the prefix "MED", which was used originally (circa 1971) when logging into MEDLINE, has not been required or taught for some time and is optional at login to ELHILL. (The "original"

MEDLINE searchers are those individuals most likely to be using the eight-digit User ID code.)

However, the new TOXNET part of the MEDLARS system will not accept User ID codes with the "MED" prefix. When accessing TOXNET, use only the five-character User ID code with the password, e.g., XYZ01/PASSWORD. Also remember that changing a Password on one part of the system, i.e., ELHILL or TOXNET, will not automatically cause the Password to change on the other part of the system. □

#### TOXNET OFFLINE PRINTS

Unlike ELHILL Offline prints, TOXNET Offline prints are not assigned Tasknames and cannot be cancelled. Users with questions about a TOXNET Offline print should call the MEDLARS Management Section and provide Service Desk personnel with the date the TOXNET print was requested. □

#### CANCERPROJ ENRICHMENT TERMS, ADDITION (Manual 17.3.7, 17.4)

Three new Enrichment or Enhancement Terms have been added to the list of these terms available for searching the CANCERPROJ database. These new terms, which first appeared in the July 1985 update of CANCERPROJ, are searchable as Keywords (KW). The terms are:

REPRODUCTIVE HISTORY: Data concerning the number of pregnancies, ages at which sex maturation, climacteric, pregnancy and other milestones occurred; number of live births; and similar indicators of the individual's sexual physiology. This term is

usually employed in a general context, for example, epidemiologic studies; if the separate items are emphasized they are indexed using specific MeSH terms (PARITY; MENARCHE; MENOPAUSE; etc...)

GEOGRAPHIC DISTRIBUTION: The occurrence of a disease with respect to particular localities. The MeSH heading SPACE-TIME CLUSTERING is preferred, where appropriate, as being more specific. However, for cases where no clustering can be demonstrated this term will cover the locational aspect of disease incidence.

REACTIVE OXYGEN SPECIES: A form of oxygen which combines more readily with other substances than ordinary molecular oxygen (O<sub>2</sub>), for example, singlet oxygen.

The complete list of CANCERPROJ Enrichment/Enhancement Terms was included in the CANCERPROJ Online Services Reference Manual chapter mailed with the March 1985 Technical Bulletin. Users who did not receive a copy of the CANCERPROJ manual may request one from the MEDLARS Management Section. □

#### NTIS SHIPPING AND HANDLING CHARGE

Effective with orders for publications received by the National Technical Information Service (NTIS) after June 1, 1985, the following shipping and handling charges apply:

U.S., Canada, Mexico --	Add \$3.00
	per Total Order
All other countries --	Add \$4.00
	per Total Order

Exceptions: Does not apply to orders requesting NTIS Rush Handling

or to orders for subscription or standing order products.

Note: Each additional delivery address on an order requires a separate shipping and handling charge.

Institution of this shipping and handling charge was necessary because of the last several increases in postal rates and related services. Due to these increases, it was no longer possible for NTIS to absorb the full cost of processing orders while still complying with legislation requiring NTIS to fully recover its costs. To help minimize the effect of this new charge, NTIS suggests: 1) that orders be consolidated whenever possible because the charge applies only to the total order--not to each publication requested; and 2) that orders be shipped to a single address and handled through internal distribution procedures as NTIS applies the charge to each "SHIP TO" address requested in an order. □

#### NUMERIC SORTING OF AUTOMATIC SDI SEARCHES

(Manual 5.2.5)

Many users number their Automatic SDI searches in ascending numerical order (e.g., S001, S002) in the expectation that the SDI printouts received monthly will arrive in this numeric order ready to sort by number.

Although most of the time the printouts are received in ascending numerical order, this may not always be the case, especially if the user has many SDI searches. This is because of the manner in which SDI searches are processed.

Automatic SDI search strategies, though stored by the user using the STORESEARCH command, are executed by

NLM monthly using OFFSEARCH. As with OFFSEARCHes input by a searcher, each Automatic SDI executed by NLM using OFFSEARCH receives a Taskname. This Taskname begins with the letter S and is followed by the last digit of the day, two digits for the hour, two digits for the minute, and two digits for the second at which the stored Automatic SDI strategy is read into the system for execution via OFFSEARCH (e.g., S4033731 = July 4; time = 3:37:31).

Theoretically, Automatic SDI searches, which are executed in numerical order, should be assigned consecutive Tasknames, and thus the printouts should arrive in numerical order. However, the computer program is so fast, it can read in more than one Automatic SDI search strategy per second. Since the Tasknames must be unique, two Automatic SDI searches read in for execution in the same second cannot both be assigned the same Taskname. Instead, the computer assigns one SDI the proper Taskname for that second and the other SDI an unused Taskname from an earlier time period. If, for example, two SDI searches were read in per second, the relation between the user's search number and the Taskname might be something like this:

<u>Search Number</u>	<u>Taskname</u>
S001 searchname	S4033731
S002 searchname	S4033730
S003 searchname	S4033732
S004 searchname	S4033729
S005 searchname	S4033733

The retrieval from Automatic SDI searches is printed in Taskname order. This order will match the user's search number order only when all the user's searches are read into the system individually at one-second intervals. If the SDI searches are read into the system at a rate of two per second, disruption of the user's search number order is likely to

occur. The more searches a user has, the more Tasknames can diverge from the user's Automatic SDI search numbers.□

#### UPDATED AUTOMATIC SDI REQUEST FORM

(Manual 5.2.4, 5.2.5)

The updated Automatic SDI Request Form is attached to this month's NLM Technical Bulletin as Appendix B. Users who wish to start Automatic SDI Service should submit one copy of this form to MEDLARS Management for each database on which Automatic SDI Service is desired. Users who wish to: 1) change their mailing address; and/or 2) change the print and/or sort format for a number range; or 3) stop service on a database, should also submit a copy of this form to MEDLARS Management. Please remember to indicate which database(s) the changes will impact. If a user requests an address change, a form should be submitted for each database for which the user has Automatic SDI service. The attached form may be used as a master from which to photocopy the forms to submit. Users who currently have Automatic SDI Service and do not wish to make any changes need not resubmit any Automatic SDI forms.

Users are reminded that once they have established Automatic SDI Service on a database, they do not have to submit a form each time an additional search is stored for that database. All properly named searches stored under their User ID will be picked up by the program and run each month. Also, users should not submit a form each time they wish to stop receiving one or more searches. They must instead

delete the searches themselves using the PURGESEARCH command.□

#### MAP OF ONLINE CENTERS

The most recent map of domestic online centers is bound in with this issue as Appendix A.□

#### KEYWORD INDEX TO NLM LITERATURE SEARCHES

Enclosed with this issue is the Keyword Index to NLM Literature Searches (numbers 80-1 to 85-1). Copies of the searches contained on this list may be obtained by writing:

Literature Search Program  
Reference Section  
National Library of Medicine  
Bethesda, MD 20209

The name and address of the requester, typed on a gummed label, must accompany all requests (no return postage necessary). Order by Literature Search or Specialized Bibliography Series number in addition to title. Requests for these searches should not be sent to MEDLARS Management Section.□

#### NLM TECHNICAL BULLETIN INDEX

The revised Index To The NLM Technical Bulletin covering issues January 1985 through June 1985 is enclosed with this issue.□

*Please access FILE INFORM and type NEWS to see the most recent news item online!*



Revision of MOU

Continued from page 1

Attached at the end of this issue of the NLM Technical Bulletin is one copy of the revised MOU. In addition to the option for a one-year agreement, the wording for the copyright section was revised to incorporate the wording agreed upon between NLM and the legal counsels of a group of publishers.

The revised sections incorporated into the MOU effective July 1, 1985 follow as Figure 1.

This revised MOU for domestic users is now being included in all application packets for online access. Only new users and institutions requiring a one-year agreement will need to sign and return this revised MOU. It is not necessary for users who have signed the last issuance of the MOU (it will have "Revised June 1984" in

the bottom left-hand corner of the second page) to sign this newest revision (Revised June 1985) to have the newer language apply.

Institutions or individuals that wish to select a one-year agreement should sign and return two copies to:

MEDLARS Management Section  
National Library of Medicine  
8600 Rockville Pike  
Bethesda, Maryland 20209

It is most important that the User ID code appear on each of the copies returned and that the name of the participating institution or individual be typed in so that MEDLARS Management staff can match the MOU to user records. One copy will be returned after counter-signature at NLM. □

REVISIONS TO MEDLARS MOU

4. Some material in the databases is from copyrighted publications of the respective copyright claimants. Users of the database are referred to the publication data appearing in the bibliographic citations, as well as to the copyright notices appearing in the original publication, all of which are incorporated by reference.

9. The effective period of this Agreement is as follows (user must check the applicable box):

(1) For users who wish to enter into a one year Agreement only: the agreement shall terminate one year from the effective date, unless the user provides NLM written notice of renewal within 30 days prior to the expiration date (subject to renewal in similar fashion for successive one-year intervals thereafter), or upon 90 days written notice by either party prior to the annual expiration date;

or,

(2) For users who wish to enter into an indefinite Agreement: the agreement may be terminated by either party upon 90 days written notice.

This agreement may be amended by written mutual consent, or terminated anytime by the user by giving 30 days written notice prior to the effective date of a change in rates.

Failure of the participating organization or individual to adhere to the terms of this agreement may result in an immediate termination or suspension of access to NLM's online databases. Online access to the databases by the participating organization or individual shall be severed upon termination of this agreement in writing by either party.

Figure 1

## The NEWS In Review

Lou Wave S. Knecht  
 MEDLARS Management Section, NLM

### Background

MEDLARS Management Section (MMS) and other staff at the National Library of Medicine (NLM) use the ELHILL NEWS capability as a quick means of communicating information to MEDLARS online users. The ELHILL command NEWS (given after any USER: prompt) prints out one item of information at a time. The system then prompts MORE NEWS? (YES/NO) to which one can answer "Y" to see the next NEWS item, or "N" to exit the NEWS. It is necessary to either step all the way through the NEWS to the end or answer "N" at some point; another ELHILL command cannot be entered in response to the MORE NEWS? prompt unless it is preceded by one quotation mark. ELHILL will ignore a command not preceded by a quotation mark and return the user to the SS #/C? USER: prompt.

### Summary Chart Feature-- New For July 1, 1985

Over the past several years, many users have asked for a way to know what is in the NEWS so that it would not be necessary to print out an item that has been seen previously. Effective July 1, MMS has implemented a summary chart feature titled \*\*\*LIST OF NEWS ITEMS\*\*\*. This summary chart prints as the first NEWS item and shows at a glance what the topic of each ELHILL NEWS note is and when it was entered online (see Figure 1).

The user who keeps track of which days the NEWS is read can now step through the items only as far as necessary to see the new items. Nothing has changed about how to use the NEWS command. The summary chart is not a menu from which NEWS items can be

selected. It is not possible to "search" the NEWS for a specific item. MMS is anxious to hear if users find the chart helpful. It will be run on a trial basis and MMS staff may do some experimenting with its form and content in the weeks ahead.

### Relationship To TOXNET

The TOXNET system has its own online NEWS which can only be accessed while connected to TOXNET. (For more information on TOXNET NEWS, see the article "Still More On TOXNET" in this issue of the NLM Technical Bulletin.) However, the new summary chart in the ELHILL NEWS will always contain a reference to the last date the TOXNET NEWS was updated as the last line of the chart. Limitations on the maximum size of the ELHILL NEWS prevents NLM from routinely carrying the TOXNET NEWS in ELHILL as well. The summary chart provides a central NEWS notification point for all MEDLARS users.

### Relationship To ELHILL Broadcasts And FILE INFORM

The Broadcast is another method of communicating important information to online users. A Broadcast differs from a NEWS item in the following ways:

- 1) A Broadcast can only be two lines in length, while a NEWS item may be much longer.
- 2) A Broadcast is sent automatically to all users as they Login to ELHILL but users must request the NEWS themselves. However, the Broadcast cannot be sent to users already logged in; it can only be sent to users logging in after MMS has loaded the text of the Broadcast.
- 3) A Broadcast often runs for only one day or a portion of a day while most

"THE NEWS IN REVIEW"

/login  
 PLEASE ENTER USERID/PASSWORD OR LOGON  
 \*\*\*\*\*  
 CLINPROT UPDATED; ACCESS FILE INFORM & TYPE NEWS.  
 NLM TIME 9:04:06 DATE 85:204 LINE 087  
 WELCOME TO THE NATIONAL LIBRARY OF MEDICINE'S ELHILL RETRIEVAL SYSTEM.  
 YOU ARE NOW CONNECTED TO THE MEDLINE FILE.

SS 1 /C?  
 USER:  
 file inform  
 PROG:  
 YOU ARE NOW CONNECTED TO THE INFORM FILE.

SS 1 /C?  
 USER:  
 news  
 PROG:

NEW 07/23/85

\*\*\*LIST OF NEWS ITEMS\*\*\*  
 DATE OF ITEM            TOPIC  
 07/23/85            RECENT DATABASE UPDATES CHART  
 00/00/00            MEDLARS MANAGEMENT PHONE NUMBERS  
 PDQ                PDQ NEWS LAST UPDATED ON 06/21/85  
 TOXNET             TOXNET NEWS LAST UPDATED ON 07/11/85

MORE NEWS? (YES/NO)

USER:  
 Y  
 PROG:

NEW 07/23/85

NLM DATE	FILE NAME	RECENT DATABASE UPDATES		TOTAL CITATIONS
		UPDATE TAG	CITATIONS ADDED	
07/23	CLINPROT	8507 (EM)	33	4,967

MORE NEWS? (YES/NO)

USER:  
 Y  
 PROG:

Figure 1

NEWS items are retained in the system for one week. Some important Broadcasts will run for a longer time.

4) A Broadcast usually contains information that MMS considers urgent to users of the system, whereas the NEWS contains information of a less immediate nature. A common example of a vital Broadcast is the announcement of database updates. Often a short Broadcast is loaded and followed by the message "TYPE NEWS". In this case more detailed information on one or more of the subjects mentioned in the Broadcast will be found in a NEWS item, usually near the top (see Figure 1).

Whenever space in the Broadcast permits, MMS will include the message "ACCESS FILE INFORM AND TYPE NEWS" (see Figure 1). This is a gentle reminder to access the NEWS while connected to FILE INFORM rather than another ELHILL database (most online users are automatically placed in MEDLINE after logging in). FILE INFORM use is charged at reduced rates (i.e., users are only charged for connect time, not per character sent to the terminal) so it is possible to see the NEWS for 50% to 60% less than the cost of getting the same NEWS while connected to MEDLINE (see Figure 2).

#### Additional Information On ELHILL NEWS

The following facts about the ELHILL NEWS and MMS procedures may be of assistance in your use of this capability.

1) In general, the order of the news items is:

- a) The new \*\*\*LIST OF NEWS ITEMS\*\*\* summary chart.
- b) The RECENT DATABASE UPDATES chart.

c) Other items following in the order in which they were input.

2) Most NEWS items are retained for a period of one week. Users are advised to access the NEWS routinely at least once a week. MMS performs a major review/revision of the NEWS every Monday morning, primarily because most ELHILL database updates occur over the weekend. NEWS can change on a daily basis, but each item will be retained for at least a week. If the text of a NEWS item is changed, then the date is also changed and it is considered a new item.

3) Most NEWS items eventually appear in the NLM Technical Bulletin either as Technical Notes or as articles. Frequently the NEWS item will contain a reference to the known or expected issue of publication. Sometimes NEWS items are retained online longer than a week because the information has not been published and is thus not available elsewhere.

4) The last actual NEWS item gives the hours of the MMS Service Desk and includes the MMS telephone numbers and the three ways to contact MMS for assistance. They are:

- a) Call (301) 496-6193 or (800) 638-8480 (except users in Maryland) during MMS Service Desk hours of 8:30 am Eastern Time (ET) to 5:00 pm ET, Monday-Friday.
- b) Use the online COMMENT command. (See the May 1985 issue of the NLM Technical Bulletin for a review of this ELHILL command.)
- c) Call the 800 number after hours and leave a message on the telephone answering machine.

Users should be especially aware of the following points:

- 1) Do not use the COMMENT command or the recorded message to ask MMS to cancel OFFSEARCH or PRINT OFFLINE

tasknames. These can only be cancelled on the same day you issued the OFFSEARCH or PRINT OFFLINE command and MMS will often not receive the online COMMENT or telephone message until the next business day. You must plan to reach MMS by phone between the hours of 8:30 am ET and 5:00 pm ET for us to be able to cancel tasknames. COMMENTS are collected by MMS Monday-Friday at 9:00 am ET and 4:00 pm ET.

2) The computer room number, (301) 496-9113, given in the last NEWS item is for the sole purpose of checking whether the computer is up or down. Individuals answering that phone are unable to help with search questions or other problems. Please do not expect assistance from them other than the reporting of computer up/down status. □

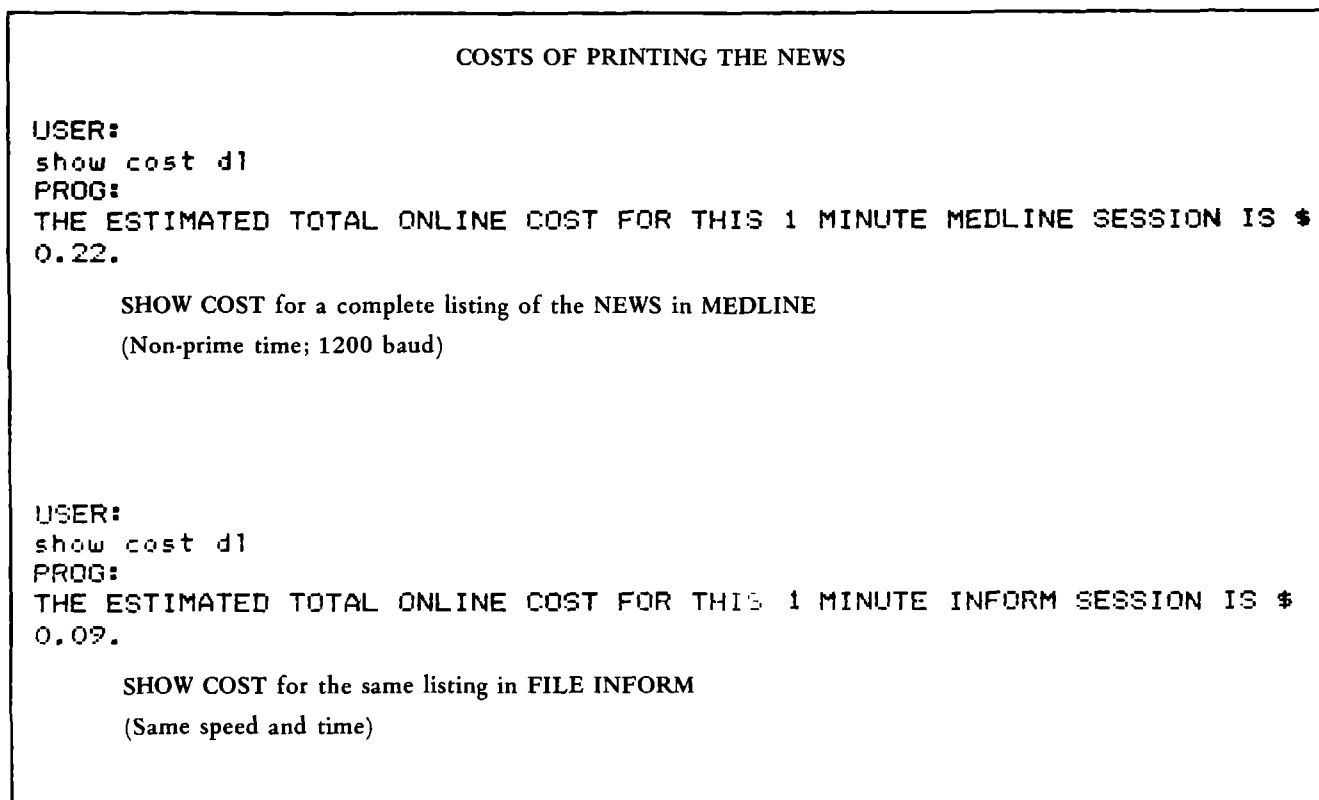


Figure 2

# Still More On TOXNET

Bruno Vasta  
Philip Wexler  
Specialized Information Services, NLM

## INTROTOX

A new, low-cost practice file called INTROTOX is now available for users of the TOXNET system. Patterned after the ELHILL INTROMED database, this

file permits users to familiarize themselves with the TOXNET system before undertaking searching in earnest on the Toxicology Data Bank (TDB) and the Hazardous Substances Data Bank (HSDB) at full cost. Only connect time will be charged to users while practicing in INTROTOX (\$56.50/hour non-prime time and \$60.25/hour prime time).

INTROTOX consists of a small subset of the HSDB file. While the actual number of records may vary (as of July

HAZARDOUS SUBSTANCES DATA BANK (HSDB) UNIT RECORD	1. ID	**	<u>SUBSTANCE IDENTIFICATION</u>	4. SAFE	**	<u>SAFETY &amp; HANDLING</u>
		HSN		HSDB Number	HAZS	
	NAME		Substance Name	DOT		DOT Emergency Guidelines
	RN		CAS Registry Number	FLAM	*	Flammable Properties
	RELT		Related TDB Records	FPOT		Fire Potential
	SY		Synonyms	NFPA		NFPA Hazard Classification
	MF		Molecular Formula	FLMT		Flammable Limits
	WLN		Wiswesser Line Notation	FLPT		Flash Point
	RTEC		RTECS Number	AUTO		Autoignition Temperature
	OHMN		OHMTADS Number	FIRE	*	Fire Fighting Information
	SHPN		Shipping Name/Number	FIRP		Fire Fighting Procedures
	STCC		Std. Transport'n Number	INTH		Intensity of Heat
	HAZN		EPA Hazardous Wastes No.	TOXC		Toxic Combustion Products
				OFHZ		Other Firefighting Hazards
	2. MANF	**	<u>MANUFACTURING/USE INFORMATION</u>	EXPL		Explosive Limits & Potential
	MMFG		Methods of Manufacturing	HAZR	*	Hazardous Reactions
	IMP		Impurities	REAC		Reactivities & Incompatibilities
	FORM		Formulations/Preparations	DCMP		Decomposition
	MFS		Manufacturers	POLY		Polymerization
	OMIN		Other Manufacturing Information	OHAZ		Other Hazardous Reactions
	USE		Major Uses	WRNP	*	Warning Properties
	CPAT		Consumption Patterns	ODRT		Odor Threshold
	PROD		U.S. Production	SERI		Skin, Eye & Respiratory Irritations
	IMPT		U.S. Imports	PRVN	*	Preventive Measures
	EXPT		U.S. Exports	EQU		Protective Equipment & Clothing
				OPRM		Other Preventive Measures
	3. CPP	**	<u>CHEMICAL &amp; PHYSICAL PROPERTIES</u>	SSL		Stability/Shelf-life
	COFO		Color/Form	SHIP		Shipment Methods & Regulations
	ODOR		Odor	STRG		Storage Conditions
	TAST		Taste	CLUP		Cleanup Methods
	BP		Boiling Point	DISP		Disposal Methods
	MP		Melting/Freezing Point	RADL		Radiation Limits & Potential
	MM		Molecular Weight			
	CORR		Corrosivity	5. TOXB	**	<u>TOXICITY/BIO MEDICAL EFFECTS</u>
	CTP		Critical Temperature & Pressure	TOXS		Toxicity Summary
	DEN		Density/Specific Gravity	TXHR		Toxic Hazard Rating
	DSC		Dissociation Constants	PPOT		Poisoning Potential
	HTC		Heat of Combustion	ANTR		Antidote & Emergency Treatment
	HTV		Heat of Vaporization	MEDS		Medical Surveillance
	OWPC		Octanol/Water Partition Coeff.	TOX	*	Toxicity Excerpts
	PH		pH	HTOX		Human Toxicity Excerpts
	SOL		Solubilities	NTOX		Non-human Toxicity Excerpts
	SPEC		Spectral Properties	TOXV	*	Toxicity Values
	SURF		Surface Tension	HTXV		Human Toxicity Values
	VAPD		Vapor Density	NTXV		Non-human Toxicity Values
	VAP		Vapor Pressure	ETXV		Ecotoxicity Values
	EVAP		Relative Evaporation Rate			
	VISC		Viscosity			
	OCP		Other Chemical/Physical Prop.			

Figure 1

8, 1985 there were 30 HSDB records in INTROTOX), once records are placed in the file, they will remain static and not reflect updates made to HSDB. In addition, no Offline prints are available from INTROTOX.

Unit Record

Since mnemonics were inadvertently omitted from the TOXNET HSDB Unit Record appearing in the May 1985 NLM Technical Bulletin, a Unit Record with

accompanying mnemonics is reprinted as Figure 1.

A firm grasp of the terminology used in the HSDB and TDB Unit Records is the key to understanding their structure. The basic unit of data in both files is the "data field". Each data field may contain one or more "occurrences" of data, usually referred to as "data statements."

Conceptually related groups of data fields are purposely grouped together

<p>5. TOXB ** <u>TOXICITY/BIOMEDICAL EFFECTS</u> (cont)</p> <p>MINF Minimum Fatal Dose Level                      POPL Populations at Special Risk                      PHMK * Pharmacokinetics                      ADE Absorption, Distribution &amp; Excretion                      METB Metabolism/Metabolites                      BHL Biological Half-Life                      ACTN Mechanism of Action                      INTC Interactions</p> <p>6. PHCY ** <u>PHARMACOLOGY</u></p> <p>BION Bionecessity                      THER Therapeutic Uses                      WARN Drug Warnings                      IDIO Drug Idiosyncracies                      TOLR Drug Tolerance                      MXDD Maximum Drug Dose</p> <p>7. ENEX ** <u>ENVIRONMENTAL FATE/EXPOSURE POTENTIAL</u></p> <p>ENVS Environmental Fate/Exposure Summary</p> <p>POLL * Pollution Sources                      NATS Naturally Occurring Sources                      ARTS Artificial Sources                      FATE Environmental Fate (Atmospheric, Terrestrial, &amp; Aquatic)</p> <p>ENVT * Environmental Transformations                      BIOD Biodegradation                      ABIO Abiotic Degradation</p> <p>ENTP * Environmental Transport                      BIOC Bioconcentration                      KOC Soil Adsorption/Mobility                      VWS Volatilization from Water/Soil</p> <p>ENVC * Environmental Concentrations                      WATC Water Concentration                      EFFL Effluent Concentrations                      SEDS Sediment/Soil Concentrations                      ATMC Atmospheric Concentrations                      FOOD Food Survey Values                      PLNT Plant Concentrations                      FISH Fish/Seafood Concentrations                      ANML Animal Concentrations                      MILK Milk Concentrations                      OEVC Other Environmental Concentrations</p> <p>HUEX * Human Exposure                      RTEX Probable Routes of Human Exposure                      AVDI Average Daily Intake                      PBEX Probable Exposures                      BODY Body Burden</p>	<p>8. EXSR ** <u>EXPOSURE STANDARDS &amp; REGULATIONS</u></p> <p>IDLH Immediately Dangerous to Life or Health                      ADI Acceptable Daily Intakes                      ATOL Allowable Tolerances                      OPL * Occupational Permissible Levels                      OSHA OSHA Standards                      NREC NIOSH Recommendations                      TLV Threshold Limit Value                      OOPL Other Occupational Permissible Levels</p> <p>OREG * Other Standards and Regulations                      WSTD Water Standards                      ASTD Atmospheric Standards                      SSTD Soil Standards</p> <p>CERC CERCLA Reportable Quantities                      TSCA TSCA Requirements                      RCRA RCRA Requirements                      FIFR FIFRA Requirements                      FDA FDA Requirements</p> <p>9. MAM ** <u>MONITORING AND ANALYSIS METHODS</u></p> <p>SAMP Sampling Procedures                      ALAB Analytic Procedures                      CLAB Clinical Laboratory Methods</p> <p>10. REFS ** <u>ADDITIONAL REFERENCES</u></p> <p>RPTS Special Reports                      DB On-line Databases                      TEST Test Status                      HIST Prior History of Accidents</p>
--	---

Prepared by- BFIB/SIS  
 July 1985

in the TDB and HSDB file structures. For example, the data field Metabolism/Metabolites (METB) is one of five data fields included under the "header" Pharmacokinetics (PHMK). Headers are identified in the system by a single asterisk (\*). Headers, such as PHMK, do not themselves contain data, but instead pull together information containing data fields under a single descriptive tag. The term "data category" represents the level hierarchically above the header. Both TDB and HSDB contain the same ten data categories, the broadest groupings of information. Categories are identified in system responses by two asterisks (\*\*). PHMK, for instance, is a header which, along with other headers and data fields, constitutes the broad category Toxicity/Biomedical Effects (TOXB). Similar in concept to headers, categories do not themselves contain data, but instead group together headers and data fields. Using a portion of the TOXB data category as an example, a typical hierarchy is illustrated in Figure 2.

Users should be aware that not all data fields are grouped into headers. In the example in Figure 2, TXHR and PPOT are two data fields within the

category TOXB which are not part of a header.

There are important implications of the Category/Header concept for searching and printing. Should a user retrieve a posting for a chemical and then issue the command PRT PHMK, the system will print out all the data fields under the header PHMK. This is advantageous in that the user need not specify every data field within PHMK in order to have them all printed. The user, however, should be aware that no actual PHMK entry will print out since no information resides in PHMK other than that contained in its component data fields. If users want only the content of the data field METB to print, they should type PRT METB. Typing PRT PHMK, METB is redundant to the system and results in a printout of all the data fields under PHMK, with METB printing out twice. In searching, if one qualifies a search term with PHMK, the system will look for matches of that term in all the PHMK data fields. Searching and printing of data categories work the same way.

Each data field, header, and category name has associated with it a two- to four- letter mnemonic. These

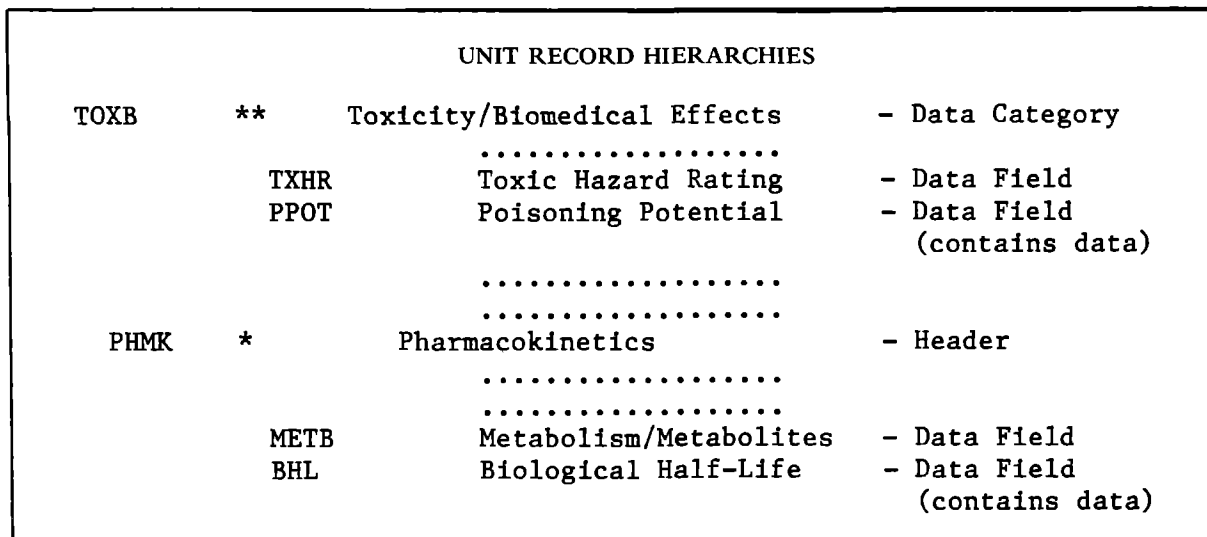


Figure 2



mnemonics may be used for qualifying searches, in printing, and in issuing an EXPLAIN command. Full data field names can be displayed through the use of the PRT INDENTED command or in viewing the text of an EXPLAIN command.

EXPLAIN, HELP, COMMENT

As mentioned above, the EXPLAIN command may be issued with any mnemonic. Thus typing EXPLAIN PHMK will provide an online definition of the header Pharmacokinetics. The command may also be used with any other system term (commands, prompts, etc.) to clarify the meanings of a given feature. Thus EXPLAIN PRT INDENTED will explain how the print indented feature works, EXPLAIN NBR will explain the NEIGHBOR command, EXPLAIN TDB will explain the Toxicology Data Bank, etc.

Another way to get online assistance is to simply type HELP. The system will display a menu with the following six options:

1. NP or NONE message is being displayed; need new terms or the form of some terms.
2. How do I display my search output?
3. The program asked a question. What do I do?
4. Need to review operating features.
5. Need to review database or unit record.
6. Need to see names of all TOXNET commands.

The desired category can then be identified by number.

The COMMENT command gives users the opportunity to express opinions and offer suggestions on the TOXNET system and its files, as well as to notify NLM of any problems they may be experiencing. This feature allows NLM

to keep in close touch with its user community. Users have the option of receiving a phone or mail response to their COMMENT by answering "yes" to the prompt REPLY? (YES/NO). Below is a sample COMMENT session with system responses in all capital letters:

SS 1 /C?

USER:  
Comment

REPLY? (YES/NO)

USER:  
n

ENTER YOUR COMMENT OR 'DONE' AT THE START OF A NEW LINE

USER:  
The standards/regulatory data

USER:  
elements, particularly atmospheric

USER:  
standards, came in very handy.

USER:  
done

SS 1 /C?

USER:

TOXNET NEWS and TOXNET NEWS BULLETINS

When a user logs onto the TOXNET System, the user will be notified of important new developments in the following manner:

TOXNET NEWS BULLETIN

Welcome to NLM's new TOXNET System. The practice file INTROTOX is now available. Please use the online COMMENT command to provide us with your comments.

Following this news bulletin, the system will inform the users that they are connected to the HSDB file (the

default option):

YOU ARE NOW CONNECTED TO THE  
HAZARDOUS SUBSTANCES DATA BANK.  
SOME DATA IN THIS FILE MAY NOT  
BE PEER REVIEWED.

Based on the individual user access code, the system will check to see if there are any regular NEWS items which this user has not seen. If there are, the system will respond:

There are NEWS items dated MM/DD/YY that you have not yet seen.  
Type NEWS to see the latest.

At the next system prompt, the user should type "NEWS" to retrieve the latest news items, in reverse chronological order. A typical response would be:

TOXNET NEWS FOR 07/01/85

Please note that the TDB 'INDEX STRINGS' have been removed from the Human Toxicity, Non-Human Toxicity, Interactions, and Metabolism/ Metabolites fields.

If there are older items, the system will also ask MORE NEWS? (YES/NO). A "YES" user response will cause the earlier news and its date to print out. The user is not charged for online characters printed during these

NEWS sessions. Once all messages have been seen, the system returns the user to the most recent user prompt.

Users may, of course, choose not to view NEWS items during their initial access of the system and instead just start searching. However, the next time that this user code accesses TOXNET, the system remembers that the user has not yet seen the NEWS and the user will be so notified. Conversely, the system remembers when users have viewed the NEWS, and logons later in the day will not result in prompts to the user about viewing the NEWS.

To summarize, the TOXNET NEWS BULLETIN is an automatic display of important news items that all users should see. TOXNET NEWS, in contrast, contains items of somewhat less immediacy, and is accessible by typing NEWS. TOXNET NEWS also may contain additional details of selected TOXNET NEWS BULLETIN messages. In a dynamically growing system like TOXNET, the NEWS capability is our way of keeping users constantly informed of newer features and changes to the system and its files.

(For an overview of the NEWS in ELHILL and its relation to the above features, see the article "The NEWS In Review" in this issue of the NLM Technical Bulletin.)□

## TDB Review Management Changed

Henry M. Kissman, Ph.D.  
George J. Cosmides, Ph.D.  
Specialized Information Services, NLM

June 5, 1985, saw a change in the management of a unique database evaluation effort when the National Library of Medicine's (NLM) Toxicology Data Bank Peer Review Committee met for the last time.

The Toxicology Data Bank (TDB) was launched in November 1978 as a new online retrieval service. It was the first evaluated data bank providing users with data or "facts" about toxic or potentially toxic chemicals to which people are exposed.

Evaluation was accomplished by having the database content reviewed by a group of experts--the TDB Peer Review Committee (PRC)--before making it available online. Under an agreement between NLM and the NIH Division of Research Grants (DRG), the PRC was established on May 1, 1974, as a subgroup of the NIH Toxicology Study Section.

In 1982, NLM took on added responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, often referred to as the Superfund Act) for augmenting several of its databases including the TDB. The number of compounds in TDB as well as the data categories were expanded substantially. This also entailed some changes in the review procedures and an enlargement of the subject areas that had to be covered by this

process and were required by the creation of the Hazardous Substances Data Bank. (See the May and June 1985 issues of the NLM Technical Bulletin.)

At the same time, there was increasing concern by DRG that the data bank review process really was not a proper function of a Toxicology Study Section and that the increasing resources for review required by a growing data bank would be more than DRG could provide. Therefore, DRG recommended that NLM find another way to accomplish this review.

Consequently, it was decided to form a new committee for this activity. Because NLM and the Defense Logistics Agency (DLA) were already collaborating on collecting information about hazardous substances, and DLA also needed content review for information produced by its Hazardous Material Technical Center, the two agencies agreed to form a joint committee that would be operated by a DLA contractor. It is expected that some of the scientists from the TDB Peer Review Committee will also be invited to serve on the new committee. The membership will be selected by NLM and DLA with the assistance of consultants; committee management support will be provided by the contractor.

On the occasion of this change to a new review committee management structure, NLM would like to express its gratitude and appreciation to the TDB Peer Review Committee. This excellent and dedicated group was diligent in assuring the quality and integrity of the TDB for more than a decade. □

## POPLINE Adds A Contributor

Kathleen Stenger  
The Johns Hopkins University and  
MEDLARS Management Section, NLM

With the August 1985 update (Entry Month 8508), POPLINE will be augmented with 6,000 retrospective citations from the database at the Carolina Population Center (CPC) of the University of North Carolina at Chapel Hill. These records represent a selection of CPC Library holdings published after 1979 and through December 1984. The September update (8509 (EM)) will contain materials acquired from January 1985 through March 1985. Regular updating of POPLINE with CPC material acquired after March 1985 is scheduled to begin with the October update (8510 (EM)). The CPC database was formerly available through DIALOG Information Services as POPULATION BIBLIOGRAPHY (File 91). POPULATION BIBLIOGRAPHY is still available on DIALOG as a "closed" file containing citations to items acquired from 1966 through December 1984.

Most of the retrospective citations mentioned above will be available on both POPULATION BIBLIOGRAPHY and POPLINE, but new items acquired since January 1985 will appear exclusively in POPLINE.

The citations provide comprehensive coverage of the social sciences aspects of population, with particular emphasis on materials published on the United States and developing countries. Specific subject coverage includes population policy, dynamics, and education, and various socio-economic factors that interact with population variables such as fertility and migration. The CPC has extensive materials on female employment and on adolescent fertility and sexual behavior.

The retrospective CPC records will potentially contain all POPLINE data elements with the exception of the following:

- AB (Abstract)
- AD (Address)
- CY (Country)
- JC (Journal Title Code)
- RF (Number of References)
- IS (ISSN)
- TA (Title Abbreviation)
- ZN (MeSH Z Tree Number)

Prospective records beginning with 8510 (EM) will contain all POPLINE data elements.

The Secondary Source ID (SI) field will identify the CPC records. The first segment of the SI field is the alphabetic acronym that identifies the institution--CPC. The second segment, preceded by a slash, indicates the accession number. The CPC, like the Population Information Program of The Johns Hopkins University and the Center for Population and Family Health at Columbia University, holds all materials it cites and will fill requests for photocopies that fall within its document delivery guidelines.

To limit retrieval from a POPLINE search to only CPC records, combine the search retrieval with CPC (SI) and the desired Entry Month (EM). For example:

```
SS 1 C/?
USER:
family planning programs (kw)
...
```

```
SS 2 C/?
USER:
africa
...
```

```
SS 3 C/?
USER:
1 and 2
...
```

SS 4 C/?  
3 and cpc (si) and 8508 (em)

included in the next supplement of the  
POPLINE Thesaurus.

This will retrieve CPC retrospective records indexed to family planning programs in Africa.

For specific information about CPC material contact the Carolina Population Center:

All CPC material has been indexed using terms in the POPLINE Thesaurus. To cover all aspects of CPC records about 90 new keywords have been added. These new keywords will be published in a later issue of the NLM Technical Bulletin and these new terms will be

Library  
Carolina Population Center  
The University of North Carolina  
at Chapel Hill  
University Square West 300A  
Chapel Hill, NC 27514-3997  
(919) 962-3006 □

*Monthly Search Hint*

## Searching Nursing Topics

Joyce A. Conner  
MEDLARS Management Section, NLM

Searchers sometimes request advice about searching for nursing topics in the NLM databases. Depending on the searcher's need, there are several ways to approach this problem.

### Limit Retrieval To Nursing Journals

It is possible to retrieve in MEDLINE only those articles that were published in nursing journals. Nursing journals in MEDLINE are divided into two groups: a) Nursing journals indexed for Index Medicus (IM), and b) Nursing journals indexed for the International Nursing Index (INI). Most nursing journals indexed for IM are also indexed for INI, but there are many INI journals that are not indexed for IM. There are currently twenty-one nursing titles indexed for IM and an additional 385 titles indexed only for INI. All of these titles are included in MEDLINE.

A comprehensive list of IM nursing journals can be retrieved from SERLINE by using the LJI Subject Heading (JD) and Abstracting and Indexing Tags (AI) fields:

nursing (jd) and im (ai)

A list of IM nursing journals currently indexed can be retrieved from SERLINE by adding the Indexing Status (XS) field with a value of 1 to the above strategy:

nursing (jd) and im (ai)  
and 1 (xs)

In MEDLINE or other databases, the Journal Title Code (JC) or Title Abbreviation (TA) of any of these

journals can be combined with a search to limit retrieval to those journals.

Searching the Special List Indicator (LI) field for a value of N will select those journals that are indexed only for INI. Figure 1 gives an example of combining these methods to search on a subject in all of the INI and IM nursing journals.

Users who expect to search often in the IM nursing journals may wish to construct a SAVESEARCH containing the Journal Title Codes (JC) identified above connected by the Boolean operator OR. This can then be combined with any search at any time, either with or without the N (LI) indicator, to limit retrieval to the desired journals.

### Limit Retrieval To The Subject "NURSING"

The first step in preparing a subject search is to collect possible search terms. In MEDLINE, the first place to look is in the Permuted Medical Subject Headings. A glance at this companion volume to the Medical Subject Headings--Annotated Alphabetic List shows that there are sixty-two individual entry terms listed under NURSE, NURSES, and NURSING. That is, there are sixty-two terms containing one of these words.

Many of these terms may be searched at once using the strategy ALL NURS: (MH). However, this will also pick up three unwanted terms (those with NURSERY or NURSERIES). Instead, the strategy ALL NURSES: (MH) or ALL NURSING: (MH) will eliminate the nursery/nurseries terms and collect all terms beginning with NURSES or NURSING. An explosion of the heading NURSES will collect all terms beginning with the word NURSE (NURSE CLINICIANS, NURSE MIDWIVES, etc.) in

addition to the term NURSES, MALE. NURSE-PATIENT RELATIONS would not be retrieved in the above strategies and should be searched separately.

Other terms not beginning with NURS can be identified under the three headings mentioned above using the Permuted MeSH as a guide. Additional terms often relevant to nurses' interests are those listed under PATIENT in the Permuted MeSH. These include PATIENT EDUCATION, PATIENT PLANNING, etc.

The searcher should also consider use of the subheading NURSING. This is intended to cover the nursing aspects of some other topic. For example,

HEART DISEASES/nursing would be used to describe an article that discusses the nursing care required by patients who have various heart diseases. In certain cases it may also be useful to combine a broad subject term with a free-floating subheading (e.g., at Search Statement 6 one could enter: 5 and nu (sh)) to retrieve articles that discuss nursing aspects.

Text Word (TW) searching may also be useful, especially in cases where the search is for a particular procedure not specifically mentioned in MeSH or requires new professional vocabulary that is not yet accommodated by the thesaurus.

SEARCHING IN NURSING JOURNALS

SS 1 /C?

USER:

(jc) 3mw or 6e9 or 6jr or czr or s2v or s58 or stp or h31 or

PROG:

CNT 1

USER:

jd7 or jel or jen or js8 or juw or lke or oal or o92 or o95 or

PROG:

CNT 1

USER:

o9h or o9k or ozt or raq or n (li)

PROG:

TIME OVFLW: CONT? (Y/N)

USER:

Y

PROG:

SS (1) PSTG (26185)

SS 2 /C?

USER:

\*case mix

PROG:

SS (2) PSTG (302)

SS 3 /C?

USER:

1 and 2

PROG:

SS (3) PSTG (103)

Figure 1

To do a truly comprehensive subject search in this area may require a combination of many terms. As with the journal titles mentioned above, searchers who frequently investigate this area may find it useful to construct a SAVESEARCH of a group of terms which can then be readily combined with the subject of the search at hand.

Searching Other NLM Databases

Other NLM databases can be considered for sources of nursing information. The HEALTH file may contain many citations relevant to nursing. When searching in HEALTH it is possible to eliminate citations which are also in MEDLINE. The most cost-effective way to do this is to combine the HEALTH file retrieval with the Special List Indicator (LI) value of H (to identify citations from the Special List Health journals) and the Secondary Source ID

(SI) value of NP (to identify citations input from the National Health Planning and Information Center (NHPIC)). Searching the AHA value in the SI field (which identifies citations input by the American Hospital Association) will retrieve the same citations as using H (LI). Records input to the HEALTH file from NHPIC will not be picked up using the LI tag and must be accounted for by the tag NP (SI) in search strategies.

The SAVE/SAVESEARCH capability may be used to save a strategy run in MEDLINE so that it can be used again in HEALTH (see Figure 2).

The CATLINE or AVLINE files may be considered for references to books or audiovisuals respectively. BIOETHICSLINE may be searched for social issues involving nursing, HISTLINE for the history of nursing, and CANCERLIT for articles dealing with nursing care of cancer patients. □

```

                SAVESEARCH AND SPECIAL LIST "HEALTH"

SS 1 /C?
USER:
file health
PROG:
YOU ARE NOW CONNECTED TO THE HEALTH PLANNING & ADMIN FILE.

SS 1 /C?
USER:
cost ed (sn) (COST ED is the name of a search constructed and saved in the current MEDLINE file)
PROG:
TIME OVFLW: CONT? (Y/N)

USER:
Y
PROG:
SS (1) PSTG (96)

SS 2 /C?
USER:
1 and h (11)
PROG:
SS (2) PSTG (3)
    
```

Figure 2



SERIALS UPDATE

INDEXED TITLES UPDATE, JULY 1985

The following titles cited in MEDLINE, HEALTH, and POPLINE have recently been selected for indexing, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last

UPDATE. More detailed information about each title may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, JUNE 1985

- IM ADVANCES AND TECHNICAL STANDARDS IN NEUROSURGERY  
 ADV TECH STAND NEUROSURG  
 1,1974--  
 SPRINGER VERLAG  
 NEW YORK UNITED STATES  
 INDEXING BEGAN WITH V11,1984.  
 W1 AD407 0095-4829  
 A15465000 JTC: AAT
- IM ALCOHOL  
 ALCOHOL  
 1N1,JAN/FEB 1984--  
 ANKHO INTERNATIONAL  
 FAYETTEVILLE NY UNITED STATES  
 INDEXING BEGAN WITH V1N1,1984.  
 W1 AL302 0741-8329  
 A20228500 JTC: AG9  
 ANKHO INTERNATIONAL, P.O. BOX 426,7374  
 HIGHBRIDGE TERRACE, FAYETTEVILLE NY 13066
- IM ANNALS OF PHYSIOLOGICAL ANTHROPOLOGY  
 ANN PHYSIOL ANTHROPOL  
 1N1,1982?--  
 RESEARCH SOCIETY OF PHYSIOLOGICAL ANTHROPOLOGY  
 CHIBA JAPAN  
 INDEXING BEGAN WITH V3N1,1984.  
 IN PROCESS 0287-8429  
 A35345000 JTC: AA4  
 DEPARTMENT OF ERGONOMICS, FACULTY OF ENGINEERING, CHIBA UNIVERSITY 1-33, YAYOI-CHO, CHIBA 260 JAPAN
- IM ARCHIVES OF EMERGENCY MEDICINE  
 ARCH EMERG MED  
 1N1,MAR 1984--  
 BLACKWELL SCIENTIFIC PUBLICATIONS  
 OXFORD ENGLAND  
 INDEXING BEGAN WITH V1N1,1984.  
 W1 AR454F 0264-4924  
 A60815000 JTC: ACG

- IM ARUKORU KENKYU-TO YAKUBUTSU ISON  
 ARUKORU KENKYUTO YAKUBUTSU ISON  
 16N1,MAR 1981--  
 JAPANESE MEDICAL SOCIETY OF ALCOHOL STUDIES  
 KYOTO JAPAN  
 CONTINUES: ARUKORU KENKYU.  
 INDEXING BEGAN WITH V19N1,1984.  
 W1 AR962C 0389-4118  
 A68680000 JTC: 897  
 JAPANESE MEDICAL SOCIETY OF ALCOHOL STUDIES, C/O DEPT. OF LEGAL MEDICINE, KYOTO PREFECTURAL UNIVERSITY OF MEDICINE, KAWARAMACHI-HIROKOJI, KAMIKYO-KU, KYOTO 602 JAPAN
- IM BLUTALKOHOL  
 BLUTALKOHOL  
 1,1961--  
 STEINTOR VERLAG HAMBURG  
 HAMBURG GERMANY, WEST  
 INDEXING BEGAN WITH V21N1,1984.  
 W1 BL962 0006-5250  
 B21720000 JTC: AJ7  
 STEINTOR-VERLAG HAMBURG, POSTFACH 1228, 2400 LUBECK, GERMANY
- IM BRAIN AND COGNITION  
 BRAIN COGN  
 1N1,JAN 1982--  
 ACADEMIC PRESS  
 NEW YORK UNITED STATES  
 INDEXING BEGAN WITH V3N1,1984.  
 W1 BR112F 0278-2626  
 B33025000 JTC: AM9  
 ACADEMIC PRESS, 111 FIFTH AVE., NEW YORK NY 10003
- IM CLINICS IN PODIATRY  
 CLIN PODIATRY  
 1N1,APR 1984--  
 W.B. SAUNDERS  
 PHILADELPHIA UNITED STATES  
 INDEXING BEGAN WITH V1N1,1984.  
 W1 CL831DF 0742-0668  
 C27510000 JTC: DDI

- IM CORNEA  
CORNEA  
1N1,1982--  
RAVEN PRESS  
NEW YORK  
VIN1,1982-V3N2,1984? PUBLISHED BY MASSON.  
INDEXING BEGAN WITH V3N1,1984.  
W1 C08595M 0277-3740  
C49110000 JTC: DSN UNITED STATES
- IM JOURNAL OF CLINICAL APHERESIS  
J CLIN APHERESIS  
1N1,1982--  
ALAN R. LISS  
NEW YORK  
INDEXING BEGAN WITH V2N1,1984.  
W1 J0587AG 0733-2459  
J16530000 JTC: HID UNITED STATES
- IM EUROPEAN JOURNAL OF ANAESTHESIOLOGY  
EUR J ANAESTHESIOLOG  
1N1,MAR 1984--  
BLACKWELL  
OXFORD ENGLAND  
OFFICIAL PUBLICATION OF THE EUROPEAN  
ACADEMY OF ANAESTHESIOLOGY.  
INDEXING BEGAN WITH V1N1,1984.  
W1 EU638 0265-0215  
E15855000 JTC: EMS
- IM JOURNAL OF DRUG EDUCATION  
J DRUG EDUC  
1,1971--  
BAYWOOD PUBLISHING CO  
FARMINGDALE NY UNITED STATES  
INDEXING BEGAN WITH V14N1,1984.  
W1 J0623 0047-2379  
J19260000 JTC: JL7  
BAYWOOD PUBLISHING CO., 120 MARINE  
ST.,FARMINGDALE,NEW YORK 11735
- IM FOOD ADDITIVES AND CONTAMINANTS  
FOOD ADDIT CONTAM  
1N1,JAN/MAR 1984--  
TAYLOR AND FRANCIS  
LONDON ENGLAND  
INDEXING BEGAN WITH V1N1,1984.  
W1 F0402 0265-203X  
F09457000 JTC: EZX
- IM JOURNAL OF IN VITRO FERTILIZATION AND  
EMBRYO TRANSFER  
J IN VITRO FERT EMBRYO TRANSFER  
1N1,MAR 1984--  
PLENUM PRESS  
NEW YORK UNITED STATES  
INDEXING BEGAN WITH V1N1,1984.  
W1 J0703AD 0740-7769  
I41570000 JTC: IRF
- IM HEALTH PSYCHOLOGY  
HEALTH PSYCHOL  
1N1,WINTER 1982--  
LAWRENCE ERLBAUM ASSOCIATES  
HILLSDALE NJ UNITED STATES  
OFFICIAL JOURNAL OF THE DIVISION OF HEALTH  
PSYCHOLOGY, AMERICAN PSYCHOLOGICAL  
ASSOCIATION.  
INDEXING BEGAN WITH V3N1,1984.  
W1 HE488 0278-6133  
H07391000 JTC: EJJ  
LAWRENCE ERLBAUM ASSOCIATES, 365  
BROADWAY SUITE 102, HILLSDALE NJ 07642
- IM JOURNAL OF NEUROGENETICS  
J NEUROGENET  
1N1,SEP 1983--  
ELSEVIER SCIENCE PUBLISHING  
AMSTERDAM NETHERLANDS  
INDEXING BEGAN WITH V1N1,1983.  
W1 J0787F 0167-7063  
J31025000 JTC: JKE
- IDL JOURNAL DE PARODONTOLOGIE  
J PARODONTOL  
1N1,JAN 1982--  
SOCIETE D EDITION DE L INFORMATION DENTAIRE  
PARIS FRANCE  
INDEXING BEGAN WITH V3N1,1984.  
IN PROCESS 0750-1838  
J33777000 JTC: JPC
- HLI HEALTHSPAN  
HEALTHSPAN  
2N1,JAN 1985--  
LAW AND BUSINESS  
CLIFTON NJ UNITED STATES  
CONTINUES: HEALTHSCAN.  
INDEXING BEGAN WITH V2N1,1985.  
IN PROCESS 0883-0457  
SR0054147 JTC: HEB
- IM JOURNAL OF PROFESSIONAL NURSING  
J PROF NURS  
1N1,JAN-FEB 1985--  
W.B. SAUNDERS  
PHILADELPHIA UNITED STATES  
INDEXING BEGAN WITH V1N1,1985.  
ON ORDER 8755-7223  
SR0054450 JTC: H3P
- IM INDIAN JOURNAL OF MALARIOLOGY  
INDIAN J MALARIOLOG  
1,1947--  
INDIAN COUNCIL OF MEDICAL RESEARCH  
KANPUR INDIA  
SUPERSEDES THE JOURNAL OF THE MALARIA  
INSTITUTE OF INDIA. ISSUED 1947-49 BY THE  
INDIAN RESEARCH FUND ASSOCIATION; 1950-63  
BY THE INDIAN COUNCIL OF MEDICAL RESEARCH.  
PUBLICATION SUSPENDED 1964-80.  
INDEXING BEGAN WITH V21N1,1984.  
W1 IN212 0367-8326  
I09640000 JTC: EOC  
MALARIA RESEARCH CENTRE,INDIAN COUNCIL  
OF MEDICAL RESEARCH,22 SHAM NATH  
MARG,DELHI 110054,INDIA
- IM JOURNAL OF SUBSTANCE ABUSE TREATMENT  
J SUBST ABUSE TREAT  
1N1,1984--  
PERGAMON PRESS  
NEW YORK UNITED STATES  
PUBLISHED IN COOPERATION WITH THE NORTH  
SHORE UNIVERSITY HOSPITAL.  
INDEXING BEGAN WITH V1N1,1984.  
W1 J0905DF 0740-5472  
SR0051283 JTC: KAI

- IM MEDICAL ANTHROPOLOGY  
 MED ANTHROPOL  
 1977--  
 REDGRAVE  
 PLEASANTVILLE NY UNITED STATES  
 INDEXING BEGAN V8N1,1984.  
 W1 ME2057 0145-9740  
 M11760000 JTC: MBI  
 REDGRAVE PUBLISHING COMPANY, 430  
 MANVILLE RD, PLEASANTVILLE NY 10570
- IDL MIDDLE EAST DENTISTRY AND ORAL HEALTH  
 MIDDLE EAST DENT ORAL HEALTH  
 N1,WINTER 1984--  
 REED BUSINESS PUBLISHING DEVELOPMENTS  
 SUTTON SURREY ENGLAND  
 INDEXING BEGAN WITH N1,WINTER 1984.  
 ON ORDER 0266-8874  
 SR0054152 JTC: MED  
 REED BUSINESS PUBLISHING DEVELOPMENTS,  
 TIMES HOUSE, THROWLEY WAY, SUTTON SURREY  
 SM1 4AF, ENGLAND
- IM NATURAL PRODUCT REPORTS  
 NAT PROD REP  
 IN1,FEB 1984--  
 ROYAL SOCIETY OF CHEMISTRY  
 LONDON ENGLAND  
 FORMED BY THE UNION OF: ALKALOIDS;  
 BIOSYNTHESIS; ALIPHATIC AND RELATED NATURAL  
 PRODUCT CHEMISTRY; AND: TERPENOIDS AND  
 STEROIDS.  
 INDEXING BEGAN WITH V1N1,1984.  
 W1 NA805H 0265-0568  
 N07510000 JTC: N9U  
 ROYAL SOCIETY OF CHEMISTRY, BURLINGTON  
 HOUSE PICCADILLY, LONDON, W1V 0BN ENGLAND
- IM NEUROCHEMICAL PATHOLOGY  
 NEUROCHEM PATHOL  
 IN1,SPRING 1983--  
 HUMANA PRESS  
 CLIFTON NJ UNITED STATES  
 VOLS. FOR 1983- SPONSORED BY THE  
 INTERNATIONAL SOCIETY FOR NEUROCHEMISTRY  
 AND THE WORLD FEDERATION OF NEUROLOGY  
 RESEARCH GROUPS ON NEUROCHEMISTRY AND  
 CEREBROSPINAL FLUID.  
 INDEXING BEGAN WITH V2N1,1984.  
 W1 NE323T 0734-600X  
 N12495000 JTC: OAD  
 HUMANA PRESS, BOX 2148, CLIFTON NJ 07015
- IM NEUROSCIENCE RESEARCH  
 NEUROSCI RES  
 IN1,FEB 1984--  
 ELSEVIER  
 LIMERICK IRELAND  
 CALLED ALSO: SHINKEI KAGAKU. OFFICIAL  
 JOURNAL OF: THE JAPAN NEUROSCIENCE SOCIETY.  
 INDEXING BEGAN V1N1,1984.  
 W1 NE342T 0168-0102  
 N13597500 JTC: OAR
- IDL RINSHO SHISHUBYO DANWAKAI KAISHI  
 RINSHO SHISHUBYO DANWAKAI KAISHI  
 1,DEC 1983--  
 JAPANESE SOCIETY OF PERIODONTISTS  
 TOKYO JAPAN  
 INDEXING BEGAN WITH V2,1984.  
 ON ORDER  
 SR0052228 JTC: RSD
- IM THEORETICAL MEDICINE  
 THEOR MED  
 4N1,FEB 1983--  
 D. REIDEL  
 DORDRECHT NETHERLANDS  
 CONTINUES: METAMEDICINE.  
 INDEXING BEGAN WITH V5N1,1984.  
 W1 TH12J 0167-9902  
 T08050000 JTC: VPO  
 D. RIEDEL PUBLISHING COMPANY, P.O. BOX  
 17 3300 AA DORDRECHT, HOLLAND

TITLE CHANGES, JUNE 1985

- IDL ANNALS OF SAUDI MEDICINE  
 ANN SAUDI MED  
 5N3,JUL 1985--  
 KING SAUD UNIVERSITY AND KING FAISAL  
 SPECIALIST HOSPITAL  
 RIYADH SAUDI ARABIA  
 CONTINUES: KING FAISAL SPECIALIST HOSPITAL  
 MEDICAL JOURNAL.  
 IN PROCESS 0256-4947  
 SR0054151 JTC: ASM
- IM ANNUAL REVIEW OF BIOPHYSICS AND  
 BIOENGINEERING  
 ANNU REV BIOPHYS BIOENG  
 1,1972-13,1984  
 ANNUAL REVIEWS  
 PALO ALTO CA UNITED STATES  
 CONTINUED BY: ANNUAL REVIEW OF BIOPHYSICS  
 AND BIOPHYSICAL CHEMISTRY.  
 W1 AN77E 0084-6589  
 A54030000 JTC: 6DL

- IM ANNUAL REVIEW OF BIOPHYSICS AND BIOPHYSICAL CHEMISTRY  
ANNU REV BIOPHYS BIOPHYS CHEM  
14,1985--  
ANNUAL REVIEWS  
PALTO ALTO CA UNITED STATES  
CONTINUES: ANNUAL REVIEW OF BIOPHYSICS AND BIOENGINEERING.  
W1 AN77F 0084-6589  
SR0054225 JTC: ABO
- IM BOLLETTINO DELLA SOCIETA ITALIANA DI CARDIOLOGIA  
BOLL SOC ITAL CARDIOL  
1,1956-26N12,1981  
SOCIETA ITALIANA DI CARDIOLOGIA  
ROMA ITALY  
SUPPLEMENTS ISSUED AS ATTI DELLA SOCIETA ITALIANA DI CARDIOLOGIA 197?-. CONTINUED BY: CARDIOLOGIA.  
W1 B0475 0037-878X  
B31360000 JTC: AM8
- IM CARDIOLOGIA  
CARDIOLOGIA  
27N1,1982--  
SOCIETA ITALIANA DI CARDIOLOGIA  
ROMA ITALY  
CONTINUES: BOLLETTINO DELLA SOCIETA ITALIANA DI CARDIOLOGIA.  
IN PROCESS 0393-1978  
SR0054457 JTC: COE
- IM COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE  
COMPUT METHODS PROGRAMS BIOMED  
20N1,MAY 1985--  
ELSEVIER  
AMSTERDAM NETHERLANDS  
CONTINUES: COMPUTER PROGRAMS IN BIOMEDICINE.  
W1 C0457I 0169-2607  
SR0054414 JTC: DOH
- IM COMPUTER PROGRAMS IN BIOMEDICINE  
COMPUT PROGRAMS BIOMED  
1,1970-19N2-3,1985  
ELSEVIER  
AMSTERDAM NETHERLANDS  
CALLED ALSO CPBM. CONTINUED BY: COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE.  
W1 C0457K 0010-468X  
C35940000 JTC: DOI
- HLI CONTEMPORARY ADMINISTRATOR FOR LONG-TERM CARE  
CONTEMP ADM LONG TERM CARE  
3N9,1980-7N12,1984  
CONTEMPORARY ADMINISTRATOR  
MURFREESBORO TN UNITED STATES  
CONTINUES: CONTEMPORARY ADMINISTRATOR.  
CONTINUED BY: CONTEMPORARY LONGTERM CARE.  
ON ORDER 0745-2837  
SR0051415 JTC: DRH
- HLI CONTEMPORARY LONGTERM CARE  
CONTEMP LONGTERM CARE  
8,1985--  
ADVANTAGE PUBLISHING  
NASHVILLE TN UNITED STATES  
CONTINUES: CONTEMPORARY ADMINISTRATOR FOR LONG-TERM CARE.  
ON ORDER 8750-9652  
SR0054114 JTC: CLC
- HLI DEATH EDUCATION  
DEATH EDUC  
1,1977-8N5-6,1984  
HEMISPHERE PUBLISHING CORPORATION  
WASHINGTON UNITED STATES  
CONTINUED BY: DEATH STUDIES.  
W1 DE107 0145-7624  
D02180000 JTC: ECF
- HLI DEATH STUDIES  
DEATH STUD  
9N1,1985--  
HEMISPHERE PUBLISHING CORPORATION  
WASHINGTON UNITED STATES  
CONTINUES: DEATH EDUCATION.  
IN PROCESS 0748-1187  
SR0054128 JTC: GAS
- IM INTERNATIONAL JOURNAL OF LEPROSY  
INT J LEPR  
1,1933-33N4,OCT/DEC 1965  
INTERNATIONAL LEPROSY ASSOCIATION  
WASHINGTON UNITED STATES  
CONTINUED BY: INTERNATIONAL JOURNAL OF LEPROSY AND OTHER MYCOBACTERIAL DISEASES.  
W1 IN769P 0020-7349  
I27220000 JTC: GRR
- IM INTERNATIONAL JOURNAL OF LEPROSY AND OTHER MYCOBACTERIAL DISEASES  
INT J LEPR OTHER MYCOBACT DIS  
34N1,JAN/MAR 1966--  
ALLEN PRESS  
LAWRENCE KS UNITED STATES  
CONTINUES: INTERNATIONAL JOURNAL OF LEPROSY.  
W1 IN769PT 0148-916X  
SR0053035 JTC: INU
- HLI JOURNAL OF BIOETHICS  
J BIOETHICS  
4N1/2,SPRING/SUMMER 1983-5N2,FALL/WINTER 1984  
HUMAN SCIENCES PRESS  
NEW YORK UNITED STATES  
SPONSORED BY THE NORTHWEST INSTITUTE OF ETHICS AND THE LIFE SCIENCES. CONTINUES: BIOETHICS QUARTERLY. CONTINUED BY: JOURNAL OF MEDICAL HUMANITIES AND BIOETHICS.  
W1 J0564BHJ  
J14330000 JTC: IAA

- HLI JOURNAL OF MEDICAL HUMANITIES AND BIOETHICS  
 J MED HUM BIOETHICS  
 6N1, SPRING/SUMMER 1985--  
 HUMAN SCIENCES PRESS  
 NEW YORK UNITED STATES  
 CONTINUES: JOURNAL OF BIOETHICS.  
 IN PROCESS 0278-9523  
 SR0054129 JTC: JMB
- IDL KING FAISAL SPECIALIST HOSPITAL MEDICAL  
 JOURNAL  
 KING FAISAL SPEC HOSP MED J  
 1N1, JUL 1981-5N2, APR 1985  
 KING FAISAL SPECIALIST HOSPITAL AND  
 RESEARCH CENTRE  
 RIYADH SAUDI ARABIA  
 CONTINUED BY: ANNALS OF SAUDI MEDICINE.  
 W1 KI6683D 0253-4770  
 K05630000 JTC: KVE
- IM MARYLAND MEDICAL JOURNAL  
 MD MED J  
 34N1, JAN 1985--  
 MEDICAL AND CHIRURGICAL FACULTY OF THE  
 STATE OF MARYLAND  
 BALTIMORE UNITED STATES  
 CONTINUES: MARYLAND STATE MEDICAL JOURNAL.  
 IN PROCESS  
 SR0054434 JTC: MAN
- IM MARYLAND STATE MEDICAL JOURNAL  
 MD STATE MED J  
 1N1, JAN 1952-33N12, DEC 1984  
 UNIVERSITY OF MARYLAND. MEDICAL AND  
 CHIRURGICAL FACULTY  
 BALTIMORE UNITED STATES  
 SUPERSEDES BULLETIN OF THE MEDICAL AND  
 CHIRURGICAL FACULTY OF THE STATE OF  
 MARYLAND. CONTINUED BY: MARYLAND MEDICAL  
 JOURNAL.  
 W1 MA791 0025-4363  
 M04840000 JTC: LMG
- HLI OH. OSTEOPATHIC HOSPITALS  
 OH  
 19N4, APR 1975-28N10, NOV/DEC 1984  
 AMERICAN OSTEOPATHIC HOSPITAL ASSOCIATION  
 PARK RIDGE IL UNITED STATES  
 CONTINUES: OSTEOPATHIC HOSPITAL. OFFICIAL  
 PUBLICATION OF THE AMERICAN OSTEOPATHIC  
 HOSPITAL ASSOCIATION. CONTINUED BY:  
 OSETOPATHIC HOSPITAL LEADERSHIP.  
 W1 0252 0161-0007  
 O05400000 JTC: OGP
- HLI OSTEOPATHIC HOSPITAL LEADERSHIP  
 OSTEOPATH HOSP LEADERSHIP  
 29N1, JAN/FEB 1985--  
 AMERICAN OSTEOPATHIC HOSPITAL ASSOCIATION  
 ARLINGTON HEIGHTS UNITED STATES  
 IL  
 CONTINUES: OH. OSTEOPATHIC HOSPITALS.  
 IN PROCESS 8750-9202  
 SR0053674 JTC: ONV

TITLES NO LONGER INDEXED AS OF JUNE 1985

- IM PSYCHIATRIE, NEUROLOGIE UND MEDIZINISCHE  
 PSYCHOLOGIE. BEIHEFTE  
 PSYCHIATR NEUROL MED PSYCHOL BEIH  
 N1-2, 1963-N31, 1983  
 HIRZEL  
 LEIPZIG GERMANY, EAST  
 W1 PS338  
 P53600000 JTC: QAT
- IM REVUE D OTO-NEURO-OPHTALMOLOGIE  
 REV OTONEUROOPHTALMOL  
 5N8, 1927-56N4/5, 1984  
 EDITIONS DOIN DEREN  
 PARIS FRANCE  
 CONTINUES: REVUE D OTO-NEURO-OCULISTIQUE.  
 W1 RE833V 0035-2497  
 R45860000 JTC: SXT

The following titles have been collapsed into one entry:

JOURNAL - NATIONAL ASSOCIATION FOR HOSPITAL DEVELOPMENT  
 J NATL ASSOC HOSP DEV  
 1971-FALL/WINTER 1978 JTC: J7E

JOURNAL - NAHD  
 J NAHD  
 SPRING 1979-WINTER/SPRING 1984 JTC: AIZ

THESE FORMER ENTRIES ARE NOW CATALOGED AS:

JOURNAL / NATIONAL ASSOCIATION FOR HOSPITAL DEVELOPMENT  
 J NATL ASSOC HOSP DEV  
 1971--  
 W1 J0523  
 SR0054299 J7E

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES--JUNE 1985

The following substantive serial titles were received or ordered by the Serial Records Section. Titles indexed for MEDLINE, HEALTH, and POPLINE are listed in the "INDEXED TITLES UPDATE" section. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill

loans for titles not yet received by the Library. The list is offered as an early announcement and will include price information if known. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Esther Baldinger, (301) 496-1276 Technical Services Division, NLM.

ANTI-CANCER DRUG DESIGN

1,1985--  
MACMILLAN  
BASENGTKE ENGLAND  
ON ORDER  
SR0054270 \$190.00

DISABILITY, HANDICAP AND SOCIETY

MAR 1986--  
CARFAX  
ABINGDON, ENGLAND  
OXFORDSHIRE  
ON ORDER  
SR0054189 \$40.00  
CARFAX PUBLISHING COMPANY, ABINGDON  
OXFORDSHIRE OX14 3UE, ENGLAND

COMMUNICABLE DISEASE BULLETIN

1N1, APR 1984--  
NATIONAL INSTITUTE OF COMMUNICABLE DISEASES  
NEW DELHI INDIA  
IN PROCESS  
SR0054229

NATIONAL INSTITUTE OF COMMUNICABLE  
DISEASES, DIRECTORATE GENERAL OF HEALTH  
SERVICES, 22 SHAMNATH MARG, DELHI  
110054, INDIA

DRUG UTILIZATION REVIEW

JAN 1985--  
AMERICAN HEALTH CONSULTANTS  
ATLANTA GA UNITED STATES  
ON ORDER  
SR0054210 \$157.00

COMPUTERS AND THE SOCIAL SCIENCES

1N1, JAN/MAR 1985--  
PARADIGM PRESS  
OSPREY FL UNITED STATES  
IN PROCESS  
SR0054294 \$75.00  
PARADIGM PRESS INC., P.O. BOX 1057,  
OSPREY FL 33559-1057

EUROPEAN JOURNAL OF EPIDEMIOLOGY

1N1, MAR 1985--  
EUROPEAN JOURNAL OF EPIDEMIOLOGY  
ROME ITALY  
IN PROCESS  
SR0054183 \$80.00  
EUROPEAN JOURNAL OF EPIDEMIOLOGY, VIA  
ZANDONAI 11, 00194 ROME, ITALY

CURRENT THERAPY IN ENDOCRINOLOGY AND METABOLISM

1985/86--  
B.C. DECKER  
TORONTO CANADA  
IN PROCESS  
SR0054336  
B.C. DECKER, 3228 SOUTH SERVICE ROAD,  
BURLINGTON ONTARIO L7N 3H8, CANADA

GENE PROBES AND NUCLEIC ACID HYBRIDIZATION RESEARCH

JAN 1985--  
INFORMATION SEARCH AND RETRIEVAL  
SAN DIEGO UNITED STATES  
ON ORDER  
SR0054249 \$79.00

CYBERLOG

1N1, APR 1985--  
CARDINAL HEALTH SYSTEMS  
EDEN PRAIRIE MN UNITED STATES  
QUARTERLY OF APPLIED MEDICAL SOFTWARE.  
ON ORDER  
SR0054331 \$820.00  
CARDINAL HEALTH SYSTEMS, 7562 MARKET  
PLACE DR, EDEN PRAIRIE MN 55344

HAND CLINICS

1N1, FEB 1985--  
SAUNDERS  
PHILADELPHIA UNITED STATES  
ON ORDER  
SR0054261 \$56.00

HUMANE MEDICINE

1N1, MAR 1985--  
HUMANE MEDICINE JOURNAL  
TORONTO CANADA  
IN PROCESS  
SR0054268 \$50.00  
HUMANE MEDICINE JOURNAL, TORONTO WESTERN  
HOSPITAL, 399 BATHURST STREET, TORONTO  
ONTARIO, CANADA M5T 2S8

JOURNAL OF DIAGNOSTIC MEDICAL SONOGRAPHY  
 1, JAN 1985--  
 J.B. LIPPINCOTT  
 PHILADELPHIA  
 ON ORDER  
 SR0054222

UNITED STATES

\$50.00

PHYSICAL THERAPY IN HEALTH CARE  
 1986--  
 HAWORTH PRESS  
 NEW YORK  
 ON ORDER  
 SR0054253

UNITED STATES

\$44.00

JOURNAL OF GERIATRIC DRUG THERAPY  
 JAN 1986--  
 HAWORTH PRESS  
 NEW YORK  
 ON ORDER  
 SR0054221

UNITED STATES

\$44.00

RECENT ACHIEVEMENTS IN RESTORATIVE NEUROLOGY  
 1, 1985--  
 KARGER  
 BASEL  
 CATALOGING IN PUBLICATION.  
 ON ORDER - CIP  
 SR0054164

SWITZERLAND

JOURNAL OF GYNAECOLOGICAL ENDOCRINOLOGY  
 IN1/2, 1985--  
 S.O.G.  
 PADOVA  
 IN PROCESS  
 SR0054159  
 S.O.G. SRL, GALLERIA STORIONE 2A, 35123  
 PADOVA, ITALY

ITALY

SEXUAL AND MARITAL THERAPY  
 APR 1986--  
 CARFAX PUBLISHING  
 ABINGDON,  
 OXFORDSHIRE  
 ON ORDER  
 SR0054195

ENGLAND

\$55.00

JOURNAL OF INFERENCE AND DEDUCTIVE BIOLOGY  
 JAN 1985--  
 DANIELLI ASSOCIATES  
 WORCESTER MA  
 ON ORDER  
 SR0054218

UNITED STATES

\$379.50

SYMBIOSIS  
 1, MAY 1985--  
 BALABAN  
 GLENSIDE PA  
 ON ORDER  
 SR0054199  
 BALABAN INTERNATIONAL SCIENCE  
 SERVICES, C/O POMERANTZ DISTRIBUTORS, 2242  
 MT. CARMEL AVENUE, GLENSIDE PA 19038

UNITED STATES

\$75.00

JOURNAL OF NURSING STAFF DEVELOPMENT  
 MAY 1985--  
 J.B. LIPPINCOTT  
 PHILADELPHIA  
 ON ORDER  
 SR0054217

UNITED STATES

\$36.00

US MEDICINE DIRECTORY OF MAJOR FEDERAL  
 MEDICAL TREATMENT FACILITIES  
 1985--  
 U.S. MEDICINE  
 WASHINGTON  
 IN PROCESS  
 SR0054342  
 US MEDICINE, 2033 M STREET N.W. SUITE  
 505, WASHINGTON DC 20036

UNITED STATES

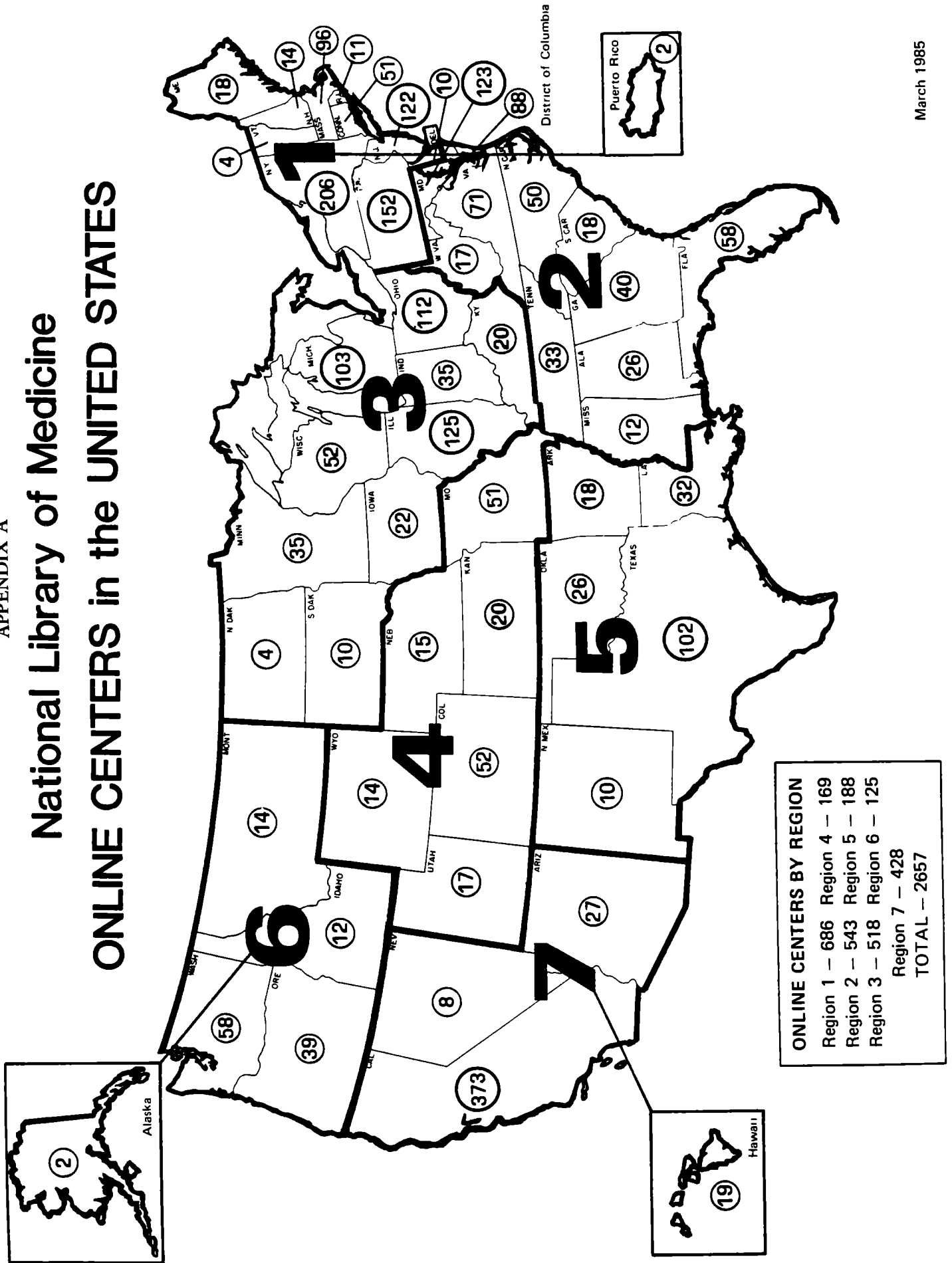
MEDICAL BUSINESS JOURNAL  
 JAN 1985--  
 MEDICAL BUSINESS PUBLISHING  
 RARITAN NJ  
 ON ORDER  
 SR0054264

UNITED STATES

\$480.00

APPENDIX A

# National Library of Medicine ONLINE CENTERS in the UNITED STATES





NLM AUTOMATIC SDI SERVICE REQUEST FORM

USER ID

\_\_\_\_\_  
Institution/Office Name

(No more than 50 characters per line; 1 line per item.)

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip

Name and telephone number of the person who coordinates SDI service at your organization >

_____ Name
_____ Telephone Number

BEGIN SERVICE ON THE \_\_\_\_\_ DATABASE. (ONLY ONE PER FORM)

CHANGE A PREVIOUSLY SUBMITTED FORM FOR THE \_\_\_\_\_ DATABASE.

MAILING ADDRESS

PRINT AND/OR SORT FORMATS

CANCEL SERVICE ON THE \_\_\_\_\_ DATABASE.

PRINT ELEMENTS AND SORT FORMAT OVERRIDES AND SPECIFICATIONS:

<u>DATABASE IDENTIFIER</u>	<u>NUMERICAL RANGE</u>	<u>PRINT ELEMENTS</u>	<u>SORT FORMAT</u>
<u>OVERRIDES</u>			
—	<u>001 - 200</u>	_____	_____
—	<u>201 - 400</u>	_____	_____
—	<u>401 - 600</u>	_____	_____
—	<u>601 - 700</u>	_____	_____
<u>SPECIFICATIONS</u>			
—	<u>701 - 800</u>	_____	_____

RETURN THIS COMPLETED FORM TO:

MEDLARS MANAGEMENT SECTION  
NATIONAL LIBRARY OF MEDICINE  
8600 ROCKVILLE PIKE  
BETHESDA, MARYLAND 20209

<u>DATABASE NAME</u>	<u>DATABASE IDENTIFIER - FIRST LETTER OF SEARCHNAME</u>	<u>NUMBER RANGE</u>	<u>DEFAULT PRINT FORMAT</u>	<u>DEFAULT SORT ELEMENTS</u>
AVLINE	A	A001-200 A201-400 A401-600 A601-700 A701-800	STANDARD LOAN FULL DETAILED SPECIFY ON THIS FORM	AUTI (PN A, CN A, TI A)
CANCERLIT	C	C001-200 C201-400 C401-600 C601-700  C701-800	STANDARD FULL DETAILED AU, TI, AB, PT, SO SPECIFY ON THIS FORM	JNL (TA A, YR A, TI A)
CATLINE	B	B001-200 B201-400 B401-600 B601-700 B701-800	STANDARD ACQUISITIONS FULL DETAILED SPECIFY ON THIS FORM	AUTI (PN A, CN A, TI A)
HEALTH	H	H001-200 H201-400 H401-600 H601-700  H701-800	STANDARD FULL FU INCLUDE TT,AB SI, AU, CN, TI, OD, PC, AB, SO SPECIFY ON THIS FORM	JNL (TA A, DP D, IM A, VI D, IP D)
POPLINE	P	P001-200 P201-400 P401-600  P601-700 P701-800	STANDARD AU, TI, SO, AB SD INCLUDE GN, LA, AD, KW SD INCLUDE GN,AD SPECIFY ON THIS FORM	AUTI (CN A, AU A, TI A)
SDILINE (MEDLINE)	S	S001-200 S201-400 S401-600  S601-700 S701-800	STANDARD FULL INCLUDE AD AU, TI, SO, TT, LA, MH, AB, AD AU, TI, SO, AB SPECIFY ON THIS FORM	JNL (TA A, DP D, VI D, IP D, PG A)
TOXLINE	T	T001-200 T201-400 T401-600 T601-700  T701-800	STANDARD FULL DETAILED SI, AU, TI, SA, SO, AD, CN SPECIFY ON THIS FORM	AUTI (AU A, TI A)

MEMORANDUM OF UNDERSTANDING  
Between

(Participating Organization or Individual)  
and  
National Library of Medicine (NLM)

This Agreement between the National Library of Medicine and the participating organization or individual named above is intended to assure a common understanding of the responsibilities of each party in the NLM Online Network.

1. NLM agrees to provide:
  - a. Access to its public online bibliographic databases as determined by NLM; in the case of an overload of the system, NLM may limit service and suspend the addition of new users;
  - b. A training and education course;
  - c. Technical data and documentation covering modifications made to the system; and
  - d. Assistance during normal business hours (8:30 a.m. - 5:00 p.m. Eastern Time Mon-Fri) to resolve operating problems and difficulties.
2. The participating organization or individual agrees to:
  - a. Provide personnel for training;
  - b. Provide personnel to operate the system;
  - c. Obtain documentation materials (e.g., Manuals, etc.);
  - d. Obtain and pay for equipment necessary to access the network; including telephone installation and rental, and rental or purchase of an appropriate terminal;
  - e. Protect the system from unauthorized use;
  - f. Pay charges assessed by NLM for its online service (including royalty fees charged by database suppliers and other charges established for services); and
  - g. Indicate clearly, if fees are charged to users, that portion of the fee that is assessed by NLM for services.
3. Rate changes shall become effective after 90 days written notice, except that royalty charge changes may be passed on to the using organization/individual without advance notice.
4. Some material in the databases is from copyrighted publications of the respective copyright claimants. Users of the database are referred to the publication data appearing in the bibliographic citations, as well as to the copyright notices appearing in the original publication, all of which are incorporated by reference.
5. NLM databases shall not be issued for resale, republication, or redistribution in machine-readable or any other format.

6. Data obtained by downloading portions of the database (i.e., retrieving portions of a database online for subsequent storage or re-use) or as Subsets for "personal" use may be retained in machine-readable form by those employing automated technology such as microcomputers.
  - a. Data downloaded or obtained in Subsets<sup>1</sup> may be consolidated with other files.
  - b. In order to protect against overloading its computer system, NLM may identify limited time periods during which data may be downloaded.
7. Both parties shall designate representatives responsible for the administration of this Agreement.
8. Future revisions of the Memorandum of Understanding will be announced in a special section of the NLM Technical Bulletin, a publication that is sent monthly to each organization/individual in the NLM Online Network.
9. The effective period of this Agreement is as follows (user must check the applicable box):

(1) For users who wish to enter into a one-year Agreement only, the agreement shall terminate one year from the effective date, unless the user provides NLM written notice of renewal within 30 days prior to the expiration date (subject to renewal in similar fashion for successive one-year intervals thereafter), or upon 90 days written notice by either party prior to the annual expiration date;

or,

(2) For users who wish to enter into an indefinite Agreement: the agreement may be terminated by either party upon 90 days written notice.

This agreement may be amended by written mutual consent, or terminated anytime by the user by giving 30 days written notice prior to the effective date of a change in rates.

Failure of the participating organization or individual to adhere to the terms of this agreement may result in an immediate termination or suspension of access to NLM's online databases. Online access to the databases by the participating organization or individual shall be severed upon termination of this agreement in writing by either party.

FOR

FOR

\_\_\_\_\_

National Library of Medicine

\_\_\_\_\_  
Signature  
Name and Title (Type)

\_\_\_\_\_  
Lois Ann Colaianni  
Associate Director  
for Library Operations

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

<sup>1</sup>Subsets policies are covered in the NLM Tape License Agreement





# The NLM Technical Bulletin

ISSN 0146-3055

AUGUST 1985

No. 196

## In This Issue:

MEDLINE Print Formats Change	1
Health Professional Training Guide	5
Searching HSDB and TDB In TOXNET	6
The SHOW COST Commands In TOXNET	13
<i>Monthly Search Hint</i> Stored Address	15
Attached -- OSRM Replacement Pages--MEDLINE	
Enclosure -- Phones List	

## Regular Features:

Databases	2
Technical Notes	3
Serials Update	19

## MEDLINE Print Formats Change

Lou Wave S. Knecht

MEDLARS Management Section, NLM

Effective September 1, 1985, the Unique Identifier (UI) data element will be added to all four standard MEDLINE PRINT formats: PRT, PRT FU, PRT DL, and PRT AR. The UI will be the first data element in each of these PRINT formats in MEDLINE, SDILINE, MED80, MED77, MED75, MED71 and MED66 for both online printing and all offprints. (Previously the UI did appear in the PRT DL format, but it printed out near the middle of the citation.)

The reasons for this PRINT format enhancement are:

1) Support of DOCLINE, NLM's automated interlibrary loan request routing system.

DOCLINE permits a user to enter a MEDLINE citation Unique Identifier which is then searched in ELHILL to retrieve the article title, author(s) and source. This information is then transferred automatically into the

Continued On Page 5



NLM TECHNICAL BULLETIN • AUG 85

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
(ELHILL SYSTEM)				
AVLINE	13,663	THROUGH 1985	15 AUG 85	
BIOETHICS	18,802	JAN 73-APR 85	13 AUG 85	8508(EM)
CANCERLIT	473,657	JAN 63-AUG 85	03 AUG 85	8508(EM)
CANCERPROJ	5,591	THROUGH 1984	29 JUN 85	8507(EM)
CATLINE	592,912	THROUGH 1985	15 AUG 85	
CHEMLINE	646,098		10 AUG 85	8508(EM)
CLINPROT	4,967		23 JUL 85	8507(EM)
DIRLINE	14,816		25 MAR 85	
EXPRESS	7,846	JAN 85-AUG 85	03 AUG 85	8508(EM)
HEALTH	319,256	JAN 75-SEP 85	10 AUG 85	8509(EM)
HISTLINE	66,556		29 JUN 85	8507(EM)
MEDLINE	662,895	JAN 83-SEP 85	03 AUG 85	8509(EM)
MED80	804,806	JAN 80-DEC 82	10 JUN 85	
MED77	775,069	JAN 77-DEC 79	22 JUL 85	
MED75	642,709	JAN 75-DEC 76	17 AUG 84	
MED71	883,860	JAN 71-DEC 74	22 JUN 85	
MED66	954,613	JAN 66-DEC 70	22 JUL 85	
MESH VOC	54,632	1985	17 AUG 85	
NAME AUTH	182,633		17 AUG 85	
POPLINE	139,936	1970-AUG 85	10 AUG 85	8508(EM)
RTECS	74,794	THROUGH APR 85	31 MAY 85	
SDILINE	25,799	SEP 85	03 AUG 85	8509(EM)
SERLINE	65,780	1985	30 JUL 85	
TDB	4,114		28 JAN 85	
TOXLINE	619,175		17 AUG 85	8508(EM)
CBAC	355,549	1981-VOL 103(1,2)		
TOXBIB	132,853	1981-SEP 85		
IPA (ASHP)	30,375	1981-VOL 22(15,16)		
BIOSIS	2,107	JUL 85		
HEEP	49,788	1981-VOL 14(8)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	5,937	1981-APR 1984		
TD3	17,727	1981-GRA&I 85(10,11)		
HMTC	805			
ILO	3,983	JUL 1985		
RPROJ/CRISP	10,016	FY 83 and 84		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXBIB	106,643	1976-1980		
IPA(ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA(ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAPAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		
(TOXNET SYSTEM)				
TDB	4,139		14 AUG 85	
HSDB	4,139		14 AUG 85	

Editor: Carolyn B. Tilley  
 Assistant Editor: T. Scott Plutchak  
 Technical Notes Editor: Patricia E. Healy  
 Layout/Design: Joseph P. Fitzgerald  
 (301) 496-6193

Direct Inquiries to:  
 MEDLARS Management Section  
 National Library of Medicine  
 Bldg. 38A, Rm. 4N421  
 Bethesda, Maryland 20894



## Technical Notes

Whenever applicable, the heading of each Technical Note includes a reference to the section of the Online Services Reference Manual, 1982 and Supplement, 1984 that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

### COLUMBUS DAY HOLIDAY SCHEDULE

The NLM computer will be up on Monday, October 14, 1985, the day of the Federal Government observance of Columbus Day. Non-prime rates will be in effect all day. The MEDLARS® Management Service Desk will not be staffed. On Columbus Day, Saturday, October 12, 1985, regular Saturday hours and rates will be in effect. □

### ZIP CODE CHANGE

Effective July 18, 1985, the National Library of Medicine's Zip Code has been changed from 20209 to 20894. The National Institutes of Health's Zip Code has been changed from 20205 to 20892. □

### NLM COMPUTER SUNDAY HOURS

It is expected that the NLM computer will be unavailable on Sundays, 8:00 am to 5:00 pm Eastern Time (ET) through September 1985. The TOXNET system is unaffected. This down time is necessary to allow for the upgrade of equipment. Please consult the

online NEWS every Thursday/Friday for information about weekend availability of the NLM computer. □

### PDQ NEWS

The PDQ system has its own online NEWS which can be accessed only while connected to PDQ. To view the PDQ News, choose Option 3 from the "PDQ Menu". The ELHILL NEWS will always contain a reference to the last date the PDQ News was updated as the next-to-the-last line of the "List of News Items" chart (the first NEWS item of the ELHILL NEWS). For further information on the online NEWS features, please see the article titled, "The NEWS In Review" in the July 1985 issue of the NLM Technical Bulletin. □

### UCLA INITIAL TRAINING CLASS CANCELLED

The Initial Online Services Training class scheduled for the University of California at Los Angeles (UCLA) October 28, 1985 to November 1, 1985 has been cancelled. Please annotate the 1985 Training Schedule published in the September 1984 NLM Technical Bulletin, page 14, to reflect this change. □

### MESH TOOLS 1986

The following 1986 MeSH tools may now be ordered from the National Technical Information Service (NTIS) for delivery in late September:

Medical Subject Headings--Annotated  
Alphabetic List, 1986  
PB85-232627  
\$21.00 (\$42.00 foreign);  
microfiche, \$6.50 (\$13.00)

Medical Subject Headings--Tree  
Structures, 1986  
PB85-232635  
\$16.00 (\$32 foreign);  
microfiche, \$4.50 (\$9.00)

Permuted Medical Subject  
Headings, 1986  
PB85-232643  
\$14.00 (\$28 foreign);  
microfiche, \$4.50 (\$9.00)

The address of NTIS is:

National Technical Information Service  
U.S. Department of Commerce  
5285 Port Royal Road  
Springfield, Virginia 22161  
(703) 487-4650 (For phone orders  
with a deposit account or credit card)

Remittance should be sent with all  
mail orders. Remember to add the  
\$3.00 (\$4.00 foreign) shipping charge  
per order. □

#### DRUG NAMES IN CHEMLINE

One of the sources of drug names in  
CHEMLINE is the machine-readable  
version of the publication USAN and  
the USP Dictionary of Drug Names. The  
1986 printed edition of this reference  
work is now available from the  
following address:

The U.S. Pharmacopeial  
Convention, Inc.  
Order Processing Department  
12601 Twinbrook Parkway  
Rockville, MD 20852  
(301) 881-0666

The price is \$59.95 (plus 5% Maryland  
tax if ordered in-state). □

#### PHONES LIST ENCLOSURE

A list of available telephone numbers  
that can be used to access the NLM  
computer is enclosed with this issue. □

*Please access FILE INFORM and type NEWS to see the latest news item online!*

Print Formats

Continued From Page 1

DOCLINE request. The change saves the user considerable input time and ensures no typing errors. By including the UI for every MEDLINE or backfile citation printed with a standard PRINT format command, the job of interlibrary loan librarians using DOCLINE should be easier.

2) Support of internal NLM quality control of MEDLINE data.

Not all users include the UI when reporting known or suspected database

errors. The presence of the UI on routine PRT formats will enable users to forward the UI easily as part of the written or verbal error report. Since the UI results in only one posting when used as a search term, it makes NLM's job easier in researching the problem if more information is needed from the citation.

Attached at the back of this issue of the NLM Technical Bulletin are replacement pages for the Online Services Reference Manual, Part 7--MEDLINE, Unit Record Description and sample record.□

## Health Professional Training Guide

Patricia C. Buchan

MEDLARS Management Section, NLM

The instructional manual, The Basics of Searching MEDLINE: A Guide for the Health Professional, has been revised and is currently being printed by the National Technical Information Service (NTIS). It is anticipated that the Guide will be made available by mid-September, 1985. The order number is PB85-232650 and the price is \$12.00 (\$24.00 in foreign countries).

The Guide is the publication used by trained searchers who are conducting the one-day health professional training course, "The Basics of Searching MEDLINE". Trainers will have two options: they can purchase

a sufficient number of copies for all participants in an upcoming class which they are teaching; or they can relay the ordering information to the individual participants who can then order the publication for themselves. In either case, ample time should be allowed for the processing and shipping of the publications. In addition, trainers and/or participants should keep in mind that NTIS has recently initiated a \$3.00 fee for the shipping and handling of each order; therefore, a bulk order of numerous Guides can be more cost-effective than purchasing each individual copy with a \$3.00 fee attached.

For additional information about the Health Professional training program, see the NLM Technical Bulletin issues for April 1984, November 1984, and January 1985.□

## Searching HSDB And TDB In TOXNET

Philip Wexler  
Specialized Information Services, NLM

HSDB and TDB are wholly free-text databanks containing quantitative, qualitative, and other descriptive data about hazardous chemicals. Data are generally extracted directly from a select list of reference sources. The source of each data statement is identified. One need not consult a thesaurus in searching these files. The "Index Strings" associated with the ELHILL/TDB are not used in any of the TOXNET files. TOXNET searching obeys the rules of Boolean logic familiar to most online users, with the connectors AND, OR, and AND NOT being used in the same fashion as in the ELHILL files.

### Searching With Mnemonics

Searching should be carried out with a high degree of specificity wherever possible. Users should typically search for information in a specific portion of HSDB or TDB records. This is done by qualifying the search with the two- to four-letter mnemonic for the category, header, or field of interest. By qualifying a term with a category mnemonic, the user will search for the occurrence of the term within any field in that category. Thus, SPARK (SAFE), will search for the occurrence of the term "spark" in all of the fields within the category Safety and Handling. SPARK (HAZR), results in the search for "spark" in all of the fields within the header Hazardous Reactions. Category or header mnemonics offer a convenient way of searching several related data fields with one command. SPARK (REAC) searches for "spark" in the specific field Reactivities & Incompatibilities. A description of the HSDB and TDB unit record structures and a

discussion of the concepts of category, header, and field may be found in the July 1985 issue of the NLM Technical Bulletin.

### Searching Without Mnemonics

Although searching for terms without qualifier mnemonics is not generally recommended, this capability is available on the TOXNET files and may be useful to those who are browsing in the file for their search term. It is also useful for novice users or others who forget to enter a mnemonic. A search for an unqualified term might take the form shown in Figure 1.

The user who knows from the outset that a search for the occurrence of bilirubin in the Drug Warnings field is wanted should type BILIRUBIN (WARN). Also, if the user wants to scan the index to see where "bilirubin" appears, the NBR command described below offers a more systematic approach.

### The NEIGHBOR Command (NBR)

The NEIGHBOR command displays a list of terms from the database index. It is useful for finding terms closely related to a particular search term and to see in which categories or fields the search term appears. The command takes the form NBR XXX, where "XXX" is a search term that may contain any combination of letters, numbers, spaces and special characters. One may also neighbor a term with an associated mnemonic. The command searches the database index for terms which alphabetically follow the search term. The five terms most closely matching the search term are automatically displayed, and the user is given the opportunity to choose from among these or to continue down the display, 20 terms at a time.

This is a powerful way to scan the index file. Using the NBR command to find terms related to the word "neutral" in the Cleanup Methods (CLUP) field would be accomplished as shown in Figure 2.

TOXNET does not have the capability of displaying terms which alphabetically precede the search term. To see preceding index terms requires a reformulation of the NBR command with a term alphabetically preceding the one originally entered.

The SAME Command

The SAME command permits retrieval of two or more terms connected by the Boolean operator AND, where these terms appear in the same occurrence of the specified data field. It takes the form

SAME (AAA) XXX AND YYY AND ...  
 where AAA is a data field mnemonic and XXX and YYY are search terms or numbers of previous search statements in which a SAME command was issued. Numbers of search statements in which

```

SEARCHING WITHOUT MNEMONICS

SS 1 /C?
USER:
bilirubin
BILIRUBIN APPEARS IN THE FOLLOWING CATEGORIES:
#      CATEGORY      POSTINGS
1      MANF **        1
2      TOXB **        68
3      PHCY **        10
SPECIFY NUMBERS, EXPAND, ALL OR NONE-
USER:
expand 3
#      FIELD          POSTINGS
4      THER           3
5      WARN           7
SPECIFY NUMBERS, ALL, OR NONE-
USER:
5
SS (1) PSTG (7)
    
```

Figure 1

```

NEIGHBOR

#      POSTINGS      TERM
1      3             NEUTRAL
2      14            NEUTRALIZATION
3      37            NEUTRALIZE
4      12            NEUTRALIZED
5      1             NEUTRALIZES
ENTER INDEX NUMBER OR DOWN N
USER:
3
SS (2) PSTG (37)
    
```

Figure 2

a SAME command was not issued cannot be used in subsequent SAME commands. The SAME command is useful in reducing the false drops that might result if one were simply to search (AAA) XXX AND YYY AND ... . The SAME command cannot be used with categories or headers. It must be used with data fields only. The logical connector OR is not permitted as part of the SAME command. Typing SAME (CLUP) DILUTE AND ACID forces the system to look for the words "dilute" and "acid" in the same occurrence of a CLUP data field. This would be one method of searching of chemical cleanup methods in which dilute acids are utilized. It avoids the retrieval of fields where "dilute" appears in one occurrence of a CLUP and "acid" in another occurrence of the field even though both fields are on the same record. One should not assume, however, that it is a fail-safe method for avoiding all false drops. For example, the above SAME strategy would retrieve the following: "dilute with copious amounts of water & neutralize with hydrochloric acid." Users should carefully read all displayed data to make sure they are retrieving the information sought.

#### Maximizing Retrieval

For a quick search or just to sample the file, users may simply enter any term which describes the concept they are interested in. For example, to retrieve a few records for chemicals implicated in cancer, one could search the Human Toxicity Excerpts field by simply typing CANCER (HTOX). However, since the TOXNET files are free text, for a comprehensive search users are encouraged to devise as many terms and combinations of terms as they can think of in order to maximize retrieval. In this respect, the TOXNET files are no different from other free-text files such as TOXLINE.®

#### Synonyms

Searchers should consider as many synonyms as possible for the concept they are after. Thus, in searching for the concept of cancer, the user should also consider tumor, neoplasm, malignancy, carcinogen, etc.

#### Singular, Plural, and Word Variants

Searching should also include both singular and plural forms: cancer or cancers, neoplasm or neoplasms. Other variants (e.g., cancer or cancerous) should be considered also.

#### Truncation

The truncation symbol (:), also known as the multiple variable character symbol, indicates any number (including none) of unknown characters following the truncation point. GREEN: (COFO), for instance, searches the Color/Form field and results in a multi-meaning message, displaying "green" or "greenish". The truncation of a term which results in more than five index entries will not display these entries but results in a request that the user further restrict the search. Indeed, truncation should rarely be used by itself. It is most useful combined with the ALL command described below.

#### The ALL Command

The ALL command may be used in conjunction with truncation. Thus, typing ALL GREEN: (COFO) will automatically retrieve both "green" and "greenish" and result in the total number of postings. It is a way for the user to tell the system to look for any word beginning with the letters "green" in the COFO field. The user does not really need or want to see a display of what these words

might be. Another use of the ALL command would be to search for all occurrences of an untruncated term. Thus, ALL GREEN would search for the term "green" in all data fields. Finally, ALL could be used to serve a combined purpose. By typing ALL HYDROXIDE:, the system will search for all words beginning with hydroxide in every data field.

### Searching Multiple Fields

As users become more familiar with the unit records of TOXNET files, they are likely to gain a facility in recognizing data fields which might contain related information, but which are not necessarily grouped together. One example would be in searching for the uses of a chemical. Certainly this information would appear in the Major Uses (USE) field, but less significant uses could appear in the Other Manufacturing Information (OMIN) field. Another example involves the DOT Emergency Guidelines (DOT). A user seeking Fire Fighting Information about a hazardous chemical would rightly display the data fields under the header FIRE. However, valuable information on Fire Fighting Procedures could also appear in DOT. Using the online EXPLAIN command with data field mnemonics will provide definitions for the data fields. Definitions of the data fields will also appear in the TOXNET User Manual, now under preparation. Increased use of the TOXNET files will necessarily result in users becoming better versed in their content.

### Chemical Name Searching

Since HSDB and TDB are files consisting of chemical records it is likely that users will have frequent occasion to search the system by entering the name(s) of chemical(s) of interest. Chemical names may appear throughout the fields of records but

the generally recognized, common name of the chemical appears in the field NAME. Synonyms (SY) represent additional chemical, generic, trivial or trade name(s) of substance(s). Whereas one is generally restricted to searching TOXNET for single terms, there are exceptions, particularly in the NAME and SY fields. One may not search HSDB or TDB for "heart tremors" as such, but must search the subject as HEART AND TREMORS. This approach also holds true for chemical names except those appearing in the NAME or SY fields. Thus METHYL ETHYL KETONE is a valid search multi-term and entering this will retrieve the one record with substance name methyl ethyl ketone. One could have also searched this term by qualifying it with the mnemonic NAME or SY. Although NAME and SY are separate fields, searching for a term qualified by either of these mnemonics will search for the occurrence of the term in both fields.

One may also search by Name Fragments (NF). Terms in the NAME or SY fields are separated into individual components which may then be searched as Name Fragments. This means that although NF is not an actual field within the unit record, it may be used in searching terms appearing in the NAME and SY fields. Typing SAME (NF) METHYL AND ETHYL AND KETONE will retrieve seven occurrences in four records with one of these being the chemical methyl ethyl ketone and the others being chemicals with different names or synonyms, such as methyl ethyl ketone peroxide.

Name fragment searching is useful in searching for classes of chemicals. Entering (NF) KETONE would be a way of searching for ketones.

### What To Search For

Any of a myriad of subjects related to hazardous chemicals can be searched

for in HSDB and TDB. One important use of the system involves the search for information about one or more known chemicals, as illustrated above. Once the chemicals are retrieved, users may print any combination of data fields containing the information in which they are interested. A user may, for instance, want to display data on the metabolism of methyl ethyl ketone.

The other broad type of search involves the identification of one or more chemicals based upon some known attributes. One such search would be for chemicals known to cause liver cirrhosis in mice. There is no limit on the ways in which these files may be searched, other than the user's ingenuity. A hypothetical question and search strategy is listed below under Sample Search. Try using the files to answer the questions appearing under TOXNET Exercise Set I, following the sample search. Possible strategies will appear in next month's NLM Technical Bulletin, which will also contain an article on TOXNET PRINT commands.

### Sample Search

Although the following question may be less than likely to confront users in the course of their work, it illustrates some of the search features discussed in this article.

Question: What is the main mineral source of a black chemical that produces the color green in fireworks?

A possible approach is detailed in Figure 3.

Answer: Rasorite, also called kernite.

Discussion: This search involved two colors, black and green, but only black was identified as the color of the chemical in question, so this is

the only color searched for in the COFO field. Because the chemical produces a green color in fireworks does not imply that it is a green chemical. The word "green" was truncated and combined with the word "firework" truncated and searched together with a SAME command in the USE field. However, there were no matches. The word "pyrotechnic" truncated was then tried. This retrieved three records. These postings were ANDed with the chemicals of color black to retrieve one record. The chemical is the element boron. However, since the question did not ask for the name of the chemical itself but for a mineral which contains it, the field for Naturally Occurring Sources (NATS) was also printed out. In this field, one discovers that rasorite is the most important mineral source of boron. It should be noted that the black color of boron appears in various crystalline forms, while it is the amorphous form of boron which is used in pyrotechnics. It should also be noted that the field OMIN (Other Manufacturing Information) could also have been searched for the concept of green fireworks. As mentioned earlier, this field may contain less common uses of the chemical. For purposes of this example, though, the OMIN field was not searched.

### TOXNET Exercise Set I

Develop search strategies for answering the following questions on the appropriate TOXNET files (HSDB or TDB):

1. How much lead is typically found in canned milk?
2. In what industries do mean levels of chloroform in wastewater exceed 500 ppb?
3. Name some chemicals formed in the use of wood-burning fireplaces.



SAMPLE SEARCH

SS 3 /C?  
 USER:  
 black (cofo)  
 SS (3) PSTG (54)

\*NONE-

SS 4 /C?  
 USER:  
 same (use) all fireworks and all greens:  
 MM (GREEN:) (5)

\*NONE-

SS 4 /C?  
 USER:  
 same (use) all pyrotechnic: and all green:  
 MM (PYROTECHNIC:) (2)

MM (GREEN:) (5)

3 OCCURRENCES IN 3 RECORDS  
 SS (4) PSTG (3)

SS 5 /C?  
 USER:  
 3 and 4  
 SS (5) PSTG (1)

SS 6 /C?  
 USER:  
 prt hits include nats

HSN - 4482  
 NAME - BORON  
 RN - 7440-42-8  
 DATE - 841024  
 RLEN - 7861  
 NATS - ...IN THE EARTH'S CRUST ABOUT 0.001% IN FORM OF ITS  
 COMPOUNDS, NEVER AS THE ELEMENT. [MERCK INDEX 9TH ED  
 1976]  
 NATS - ...OCCURS AS ORTHOBORIC ACID USUALLY IN CERTAIN  
 VOLCANIC SPRING WATERS AND AS BORATE IN BORAX AND  
 COLEMANITE. ULEXITE, ANOTHER BORON MINERAL...MOST  
 IMPORTANT SOURCE...IS MINERAL RASORITE, ALSO KNOWN AS  
 KERNITE... IN MOJAVE DESERT... BORON EXISTS NATURALLY  
 AS 19.78% (10)B ISOTOPE & 80.22% (11)B ISOTOPE.  
 [WEAST. HDBK CHEM & PHYS 60TH ED 1979]  
 USE - AMORPHOUS: IN PYROTECHNIC FLARES TO PROVIDE  
 DISTINCTIVE GREEN COLOR, IN ROCKETS AS IGNITER [MERCK  
 INDEX 9TH ED 1976]  
 COFO - POLYMORPHIC: ALPHA-RHOMBOHEDRAL FORM, CLEAR RED  
 CRYSTALS; BETA-RHOMBOHEDRAL FORM, BLACK [MERCK INDEX  
 9TH ED 1976]  
 COFO - ALPHA-TETRAGONAL FORM, BLACK, OPAQUE CRYSTALS WITH  
 METALLIC LUSTER; AMORPHOUS FORM, BLACK OR DARK BROWN  
 POWDER [MERCK INDEX 9TH ED 1976]

Figure 3

4. What leather tanning agents are known skin irritants.
5. What solvents are metabolically converted to acetaldehyde in the body?

Caveat

The TOXNET system is still in its infancy and undergoing extensive testing and evaluation, even now that it has been made publicly available to MEDLARS users. SIS staff are continuously monitoring system effectiveness and efficiency and responding to user comments. Because refinements and improvements are ongoing, this and future articles

should not be taken as the definitive word. Users may discover that in the time between article preparation and publication some TOXNET commands have undergone alteration and therefore may not operate exactly as described. These articles are intended to guide the user through the fundamental features of the system and give them the confidence to explore its capabilities on their own. They do not constitute a comprehensive user manual, which is being prepared. Neither can they present up-to-the-minute developments. Users will be quickly notified of these through the TOXNET NEWS. Users will also be informed about classroom instruction as soon as a scheme is finalized. □

## The SHOW COST Commands In TOXNET

Philip Wexler  
Specialized Information Services, NLM

NLM online users may now monitor their expenses while searching TOXNET files. The SHOW COST commands allow users to track their costs for searching a particular file, for searching several files during a terminal session, or for all searching done within the current billable month.

Typing SHOW COST will display the cost incurred for the file the user is searching at the time the command is issued. SHOW COST TOTAL displays the total cost for the entire terminal session. A terminal session begins when the user logs into TOXNET and may consist of searching one or more files and switching back and forth between them. SHOW COST MONTHLY displays the monthly cost for searching the file to which the user is connected. SHOW COST MONTHLY TOTAL displays the

cumulative cost for the month for all terminal sessions on TOXNET. The SHOW COST MONTHLY commands also include offline print costs. The option "DETAILED" may be appended to any of the above commands to provide a cost breakdown including the number of interactions, search statements, and characters of data sent to the user's terminal during prime and non-prime time, plus the number of offline prints ordered. When "DETAILED" is applied to any of the "TOTAL" options, the price breakdown will show the aggregate cost and will also be subdivided by file. In addition to cost, all the above commands will display the time spent in a particular file, in a terminal session, or for the entire month. Table 1 is a summary of the SHOW COST commands, with allowable abbreviations in parentheses. Table 2 shows the actual displays for some of these commands.

Note that all of these commands must begin with SHOW COST. The words MONTHLY, TOTAL, and DETAILED (or their abbreviations) may then be added in

SHOW COST COMMANDS	
Command:	Displays:
SHOW COST	Connect time and cost incurred for file user is searching.
SHOW COST TOTAL (total=t)	Connect time and cost incurred for entire terminal session.
SHOW COST MONTHLY (monthly=month=mn)	Monthly connect time and cost incurred for searching file connected to. Includes offline print costs.
SHOW COST MONTHLY TOTAL	Monthly connect time and cost incurred for all terminal sessions. Includes offline print costs
----- DETAILED (detailed=detail=dl)	Appending this to any of the above commands additionally provides detailed breakdown of cost parameters and files searched.

Table 1

any combination or order. For example, a valid command combining all options and providing a rather elaborate summary, would be SHOW COST DETAILED MONTHLY TOTAL. This particular command yields monthly aggregate data and a complete connect time and cost parameter breakdown by database for prime and non-prime time, plus offline print data. See the last example in Table 2.

It should be emphasized that the SHOW COST commands may be entered at any time during a search and will display costs incurred up to the time the command is entered. Logging off the

TOXNET system will automatically display the elapsed time and online cost for the terminal session.

The SHOW COST commands enable TOXNET users to quickly determine their expenses, either during a particular session or cumulatively for the month. Users no longer need wait until the end of the month to see their charges. In fact, they need not even wait until the end of a terminal session. This information will help users monitor their usage of the system, keep within a budget, generate cost statistics for management purposes and possibly gauge the efficiency of their searching. □

SHOW COST -- SAMPLE OUTPUTS						
show cost total						
THE ESTIMATED TOTAL ONLINE COST FOR THIS 5 MINUTE 27 SECOND HAZARDOUS SUBSTANCES DATABANK SESSION IS \$5.80.						
...						
show cost monthly						
ESTIMATED CURRENT CHARGES FOR THIS MONTHLY BILLING PERIOD FOR HAZARDOUS SUBSTANCES DATABANK TOTAL \$360.49 FOR 5 HOURS 20 MINUTES 37 SECONDS AND 1 OFFLINE PRINT.						
...						
show cost detailed						
File	Time(hr:m:s)	#Interactions	#Characters	#Srch Statments	Charges	
HSDB	00:05:53	18	892	7	\$6.26	
Total	00:05:53	18	892	7	\$6.26	
...						
show cost detailed monthly total						
File	Time(hr:m:s)	#Interactions	#Characters	#Srch Statments	Charges	
PRIME						
HSDB	03:35:13	334	132,780	125	\$222.14	
NON-PRIME						
HSDB	01:46:04	229	205,799	61	\$119.24	
TDB	00:17:11	10	13,295	2	\$17.36	
Offline Prints (1 offline prints totalling 33 pages)					\$19.80	
Total	05:38:28	573	351,874	188	\$378.54	

Table 2

*Monthly Search Hint*

## Stored Address

Harriet Rusin  
 MEDLARS Management Section, NLM  
 T. Scott Plutchak  
 Asst. Editor, NLM Technical Bulletin

An area for a three-line Stored Address is contained in the Unified User Specification File (UUSF) which is attached to each User ID code. When a code is assigned, the system creates a UUSF containing the User's ID Code, Password, an online

pagelength of 25 lines and a pagewidth of 72 characters. These, with the exception of the ID Code, can be changed at any time by the user. In addition, a stored address can be entered.

At any time that a user is logged in, the profile area can be viewed by giving the command PROFILE LIST. The Stored Address can be added by entering the command PROFILE MODIFY STORAD. The program will then prompt the searcher for the three lines of the Stored Address. (See Figure 1). The entire address must be adapted to

```

                                ENTERING A STORED ADDRESS

SS 1 /C?
USER:
profile list

PROG:
PASSWORD          CAMP
PAGELENGTH        00025
PAGEWIDTH         00072
PROFILE COMPLETED.

SS 1 /C?
USER:
profile modify storad

PROG:
NAME?

USER:
stephen smith

PROG:
ADDRESS?

USER:
5242 elm drive

PROG:
CITY, STATE (PLEASE DO NOT ABBREVIATE), AND ZIP-

USER:
sometown, maryland 20209

PROG:
PASSWORD          CAMP
NAME              STEPHEN SMITH
ADDRESS           5242 ELM DRIVE
CITSTAZIP        SOMETOWN, MARYLAND 20209
PAGELENGTH       00025
PAGEWIDTH        00072
OK? (Y/N/C/LIST)

USER:
Y

PROG:
PROFILE COMPLETED.
```

Figure 1

these three lines, each having a maximum length of fifty characters.

Once a stored address has been added to a User's Profile, all Offline prints and OFFSEARCH printouts will automatically be sent to that address, obviating the need for the user to type in the same address for each offprint ordered. The Stored Address is not used for mailing of Automatic SDIs, Billing Information, or the NLM Technical Bulletin. The Stored Address can be over-ridden whenever the searcher wants a particular printout

to be mailed to another location. This is done after entering the PRINT OFFLINE or OFFSEARCH command. The program will prompt for search title and requester's name. At either of these prompts, the searcher can enter the instruction MAIL=PROMPT. The program will then prompt for the three lines of the address and the specific address desired can be entered. This will not change the Stored Address in any way. The specified address will be used only for that individual print request. (See Figure 2).

```

                                OVERRIDING A STORED ADDRESS

SS 3 /C?
USER:
prt offline include ab

PROG:
TASKNAME = P9111150
REQUESTER'S NAME, OR SAME-

USER:
mail=prompt

PROG:
NAME?

USER:
josiah johnston

PROG:
ADDRESS?

USER:
403 rodeo road

PROG:
CITY, STATE (PLEASE DO NOT ABBREVIATE), AND ZIP-

USER:
anyothertown, virginia 20205

PROG:
REQUESTER'S NAME, OR SAME-

USER:
same

PROG:
SEARCH TITLE, OR NONE-

USER:
parkinson

PROG:
OK? (Y/N/C/ADDRESS)

USER:
address

PROG:
NAME - JOSIAH JOHNSTON
ADDRESS - 403 RODEO ROAD
CITSTAZIP - ANYOTHERTOWN, VIRGINIA 20205
OK? (Y/N/C/ADDRESS)
    
```

Figure 2

The Stored Address can be modified at any time after it has originally been entered by again using the PROFILE MODIFY STORAD command. Any lines for which new information is desired can be entered after the appropriate prompt. If any lines are to remain unchanged, SAME can be entered in response to the prompt. (See Figure 3). Alternatively, each separate line of the three-line address may be changed with these commands: PROFILE MODIFY NAME, PROFILE MODIFY ADDRESS, or PROFILE MODIFY CITSTAZIP.

Changes made to the UUSF take place immediately. If the User ID code is

shared, each person using it should be made aware of any changes.

TOXNET also has a Stored Address capability. Users should remember, however, that a change made to the stored address on one system does not affect the Stored Address on the other.

A complete discussion of the PROFILE command can be found in the Online Services Reference Manual, Section 4.9.17. An online explanation can be retrieved by entering the command EXPLAIN PROFILE.

```

                                MODIFYING A STORED ADDRESS

SS 3 /C?
USER:
profile modify storad

PROG:
NAME?

USER:
lucinda evermerry

PROG:
ADDRESS?

USER:
202 w. east avenue

PROG:
CITY, STATE (PLEASE DO NOT ABBREVIATE), AND ZIP-

USER:
same

PROG:
PASSWORD          CAMP
NAME              LUCINDA EVERMERRY
ADDRESS           202 W. EAST AVENUE
CITSTAZIP        SOMETOWN, MARYLAND 20209
PAGELENGTH       00025
PAGEWIDTH        00072
OK? (Y/N/C/LIST)

USER:
y

PROG:
PROFILE COMPLETED.
    
```

Figure 3

In addition to the Stored Address a typical NLM online user may have several other addresses registered with the MEDLARS Management Section (MMS). If the user has a change of address it is necessary to change each of these individually as follows:

1) Online Stored Address for offprints. Change this using the PROFILE MODIFY STORAD command on ELHILL and/or TOXNET. Do not call or write MMS.

2) NLM Technical Bulletin and Billing address. These are often the same and are initially taken from information supplied by the user on the original billing agreement. To change these,

the user must notify MMS in writing, specifying old and new addresses along with the User ID code and whether the change is for the Technical Bulletin, Billing or both. If the change is for the Billing address, MMS will notify NTIS.

3) Automatic SDI Program address. This address is taken from the Automatic SDI form sent in by the user who wishes to establish Auto SDI service. Another form must be sent to MMS for each database involved with the boxes labelled "Change" and "Mailing Address" both checked. These forms are available from MMS upon request. □



SERIALS UPDATE

INDEXED TITLES UPDATE, AUGUST 1985

The following titles cited in MEDLINE, HEALTH, and POPLINE have recently been selected for indexing, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last

UPDATE. More detailed information about each title may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, JULY 1985

INI EMPHASIS: NURSING  
 EMPHASIS NURS  
 INI,1985--  
 HARBOR-UCLA MEDICAL CENTER  
 TORRANCE CA UNITED STATES  
 INDEXING BEGAN WITH VIN1,1985.  
 ON ORDER  
 SR0054635 JTC: EGE  
 FORMAL COMMUNICATIONS COMMITTEE,  
 DEPARTMENT OF NURSING, HARBOR-UCLA  
 MEDICAL CENTER, 1000 W. CARSON ST. -  
 A18, TORRANCE CA 90509

INI NEONATAL NETWORK  
 NEONATAL NETW  
 INI,OCT 1981--  
 NEONATAL NETWORK  
 SAN FRANCISCO UNITED STATES  
 OFFICIAL PUBLICATION OF THE NATIONAL  
 ASSOCIATION OF NEONATAL NURSES.  
 INDEXING BEGAN WITH V3N6,JUN 1985.  
 W1 NE19W 0730-0832  
 SR0051771 JTC: NEN

INI LAMPADA  
 LAMPADA  
 N1,FALL 1984--  
 ROYAL COLLEGE OF NURSING  
 LONDON ENGLAND  
 INDEXING BEGAN WITH N4,SUMMER 1985.  
 ON ORDER 0266-8769  
 SR0054640 JTC: LAM  
 ROYAL COLLEGE OF NURSING, 20 CAVENDISH  
 SQUARE, LONDON W1M 0AB, ENGLAND

INI PERIOPERATIVE NURSING QUARTERLY  
 PERIOPER NURS Q  
 INI,MAR 1985--  
 ASPEN SYSTEMS  
 GAITHERSBURG MD UNITED STATES  
 RUNNING TITLE: PNQ.  
 INDEXING BEGAN WITH VIN2,JUN 1985.  
 W1 PE796 8755-9935  
 SR0052346 JTC: PNQ

TITLE CHANGES, JULY 1985

IM ANALYTICAL AND QUANTITATIVE CYTOLOGY  
 ANAL QUANT CYTOL  
 INI,MAR/APR 1979-6N4,DEC 1984  
 INTERNATIONAL ACADEMY OF CYTOLOGY  
 ST LOUIS UNITED STATES  
 OFFICIAL PUBLICATION OF THE INTERNATIONAL  
 ACADEMY OF CYTOLOGY AND THE AMERICAN  
 SOCIETY OF CYTOLOGY. CONTINUED BY:  
 ANALYTICAL AND QUANTITATIVE CYTOLOGY AND  
 HISTOLOGY.  
 INDEXING BEGAN WITH V.1,N.1,MAR-APR 1979.  
 W1 AN1913 0190-0471  
 A29930000 JTC: 495

IM ANALYTICAL AND QUANTITATIVE CYTOLOGY AND  
 HISTOLOGY  
 ANAL QUANT CYTOL HISTOL  
 7N1,MAR 1985--  
 SCIENCE PRINTERS  
 ST. LOUIS UNITED STATES  
 CONTINUES: ANALYTICAL AND QUANTITATIVE  
 CYTOLOGY.  
 W1 AN1913R 0190-0471  
 SR0054577 JTC: ACQ

IM IN VITRO  
 IN VITRO  
 1N1,1965-20N12,DEC 1984  
 TISSUE CULTURE ASSOCIATION  
 GAITHERSBURG MD UNITED STATES  
 CONTINUED BY: IN VITRO CELLULAR AND  
 DEVELOPMENTAL BIOLOGY.  
 WI IN106 0073-5655  
 I06840000 JTC: GHD

IM OTOLARYNGOLOGY AND HEAD AND NECK SURGERY  
 OTOLARYNGOL HEAD NECK SURG  
 87,JAN/FEB 1979-88N6,NOV/DEC 1980  
 AMERICAN ACADEMY OF OTOLARYNGOLOGY  
 ROCHESTER MN UNITED STATES  
 CONTINUES OTOLARYNGOLOGY. CONTINUED BY:  
 OTOLARYNGOLOGY - HEAD AND NECK SURGERY.  
 INDEXING BEGAN WITH V.87,N1.1979  
 WI OT52S 0194-5998  
 O13350000 JTC: ON7

IM IN VITRO CELLULAR AND DEVELOPMENTAL BIOLOGY  
 IN VITRO CELL DEV BIOL  
 21N1,JAN 1985--  
 TISSUE CULTURE ASSOCIATION  
 GAITHERSBURG MD UNITED STATES  
 CONTINUES: IN VITRO. INCLUDES A SECTION  
 WITH TITLE: RAPID COMMUNICATIONS IN CELL  
 BIOLOGY.  
 WI IN106D 0883-8364  
 SR0054578 JTC: HEQ

IM OTOLARYNGOLOGY - HEAD AND NECK SURGERY  
 OTOLARYNGOL HEAD NECK SURG  
 89N1,JAN/FEB 1981--  
 AMERICAN ACADEMY OF OTOLARYNGOLOGY  
 ROCHESTER MN UNITED STATES  
 CONTINUES: OTOLARYNGOLOGY AND HEAD AND  
 NECK SURGERY.  
 WI OT52W  
 SR0054464 JTC: ON8

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES--JULY 1985

The following substantive serial titles were received or ordered by the Serial Records Section. Titles indexed for MEDLINE, HEALTH, and POPLINE are listed in the "INDEXED TITLES UPDATE" section. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill

loans for titles not yet received by the Library. The list is offered as an early announcement and will include price information if known. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Esther Baldinger, (301) 496-1276 Technical Services Division, NLM.

ADVANCES  
 1N1,WINTER 1984--  
 INSTITUTE FOR THE ADVANCEMENT OF HEALTH  
 NEW YORK UNITED STATES  
 JOURNAL OF THE INSTITUTE FOR THE  
 ADVANCEMENT OF HEALTH.  
 ON ORDER  
 SR0054420  
 INSTITUTE FOR THE ADVANCEMENT OF HEALTH,  
 16 EAST 53RD ST., NEW YORK NY 10022

APPLIED INDUSTRIAL HYGIENE  
 1N1,APR 1986--  
 AMERICAN CONFERENCE OF GOVERNMENTAL  
 INDUSTRIAL HYGIENISTS  
 CINCINNATI OH UNITED STATES  
 ON ORDER  
 SR0054695 \$25.00  
 AMERICAN CONFERENCE OF GOVERNMENTAL  
 INDUSTRIAL HYGIENISTS, 6500 GLENWAY  
 AVENUE, BLDG D-7, CINCINNATI OH 45211

ADVANCES IN THE STUDY OF AGGRESSION  
 1,1984--  
 ACADEMIC PRESS  
 NEW YORK UNITED STATES  
 IN PROCESS  
 SR0054660  
 ACADEMIC PRESS, ORLANDO FL 32887

CONTEMPORARY ISSUES IN CLINICAL BIOCHEMISTRY  
 1,1984--  
 CHURCHILL LIVINGSTONE  
 EDINBURGH SCOTLAND  
 IN PROCESS  
 SR0054576  
 CHURCHILL LIVINGSTONE, ROBERT STEVENSON  
 HOUSE, 1-3 BAXTERS PLACE, LEITH WALK  
 EDINBURGH, EH1 3AF SCOTLAND

AJN GUIDE  
 1982--  
 AMERICAN JOURNAL OF NURSING COMPANY  
 NEW YORK UNITED STATES  
 IN PROCESS  
 SR0054407  
 AMERICAN JOURNAL OF NURSING COMPANY, 555  
 W. 57TH STREET, NEW YORK NY

CURRENT TOPICS IN MEDICAL MYCOLOGY  
 1,1985--  
 SPRINGER-VERLAG  
 NEW YORK UNITED STATES  
 IN PROCESS  
 SR0054702  
 SPRINGER-VERLAG, 175 FIFTH AVENUE, NEW  
 YORK NY, 10010

DIABETES SPRECHSTUNDE  
 NI,1985--  
 MEDUCATION PUBLISHING  
 BAAR SWITZERLAND  
 IN PROCESS  
 SR0054497  
 MEDUCATION PUBLISHING, C/O CLYANCOURT  
 AG, SIHLBRUGGSTRASSE 105,CH-6340 BAAR,  
 SWITZERLAND

INDIAN JOURNAL OF UROLOGY  
 NI,SEP 1984--  
 UROLOGICAL SOCIETY OF INDIA  
 PONDICHERRY INDIA  
 IN PROCESS  
 SR0054542  
 DEPARTMENT OF UROLOGY, JAWAHARLAI  
 INSTITUTE OF POSTGRADUATE MEDICAL  
 EDUCATION AND RESEARCH, PONDICHERRY  
 605006, INDIA

EGYPTIAN JOURNAL OF OTOLARYNGOLOGY  
 NI,1984--  
 EGYPTIAN SOCIETY OF OTORHINOLARYNGOLOGY  
 CAIRO EGYPT  
 IN PROCESS  
 SR0054566  
 EGYPTIAN SOCIETY OF OTORHINOLARYNGOLOGY,  
 ADLY YASSIN, 8 GOMHORIA ST., CAIRO,  
 EGYPT

INTERNATIONAL JOURNAL OF ENVIRONMENTAL  
 STUDIES. SECTION A, ENVIRONMENTAL STUDIES  
 24NI,1985--  
 GORDON AND BREACH SCIENCE PUBLISHERS  
 NEW YORK UNITED STATES  
 CONTINUES IN PART: INTERNATIONAL JOURNAL OF  
 ENVIRONMENTAL STUDIES.  
 IN PROCESS  
 SR0054410 \$234.00  
 GORDON AND BREACH SCIENCE PUBLISHERS,  
 UNITED STATES MERCHANT MARINE ACADEMY,  
 DEPARTMENT OF ENGINEERING, KINGS POINT,  
 NEW YORK NY 11024

EMERGENCY MEDICAL CARE DIGEST  
 5N6,JUN 1985--  
 PM INC  
 VAN NUYS CA UNITED STATES  
 CONTINUES: DIGEST OF EMERGENCY MEDICAL  
 CARE.  
 IN PROCESS  
 SR0054617 \$38.00  
 EMERGENCY MEDICAL CARE DIGEST, P.O. BOX  
 2160, VAN NUYS CA 91405

INTERNATIONAL JOURNAL OF ORAL AND  
 MAXILLOFACIAL IMPLANTS  
 FEB 1986--  
 QUINTTESSENCE  
 CHICAGO UNITED STATES  
 ON ORDER  
 SR0054652 \$68.00

ENVIRONMENTAL CARCINOGENESIS REVIEWS  
 C3NI,1985--  
 MARCEL DEKKER  
 NEW YORK UNITED STATES  
 CONTINUES: JOURNAL OF ENVIRONMENTAL SCIENCE  
 AND HEALTH. PART C: ENVIRONMENTAL  
 CARCINOGENESIS REVIEWS.  
 IN PROCESS  
 SR0054672  
 MARCEL DEKKER JOURNALS, P.O. BOX 11305,  
 CHURCH STREET STATION, NEW YORK NY 10249

INTERNATIONAL JOURNAL OF SPORTS CARDIOLOGY  
 NI,JAN/JUN 1984--  
 MINERVA MEDICA  
 TORINO ITALY  
 OFFICIAL JOURNAL OF THE ITALIAN SOCIETY OF  
 SPORTS CARDIOLOGY.  
 ON ORDER  
 SR0054478  
 EDIZIONI MINERVA MEDICA,CORSO BRAMANTE  
 83-85,10126 TORINO,ITALY

FORSCHUNGEN ZUR NEUEREN MEDIZIN- UND  
 BIOLOGIEGESCHICHTE  
 I,1985--  
 AKADEMIE DER WISSENSCHAFTEN UND DER  
 LITERATUR  
 MAINZ GERMANY, WEST  
 IN PROCESS  
 SR0054409

JOURNAL OF ARTHROPLASTY  
 I,1986--  
 CHURCHILL LIVINGSTONE  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0054476

HYPNOSE UND KOGNITION  
 OCT 1984--  
 MEG  
 MUNCHEN GERMANY, WEST  
 ZEITSCHRIFT FUR DIE GUNDLAGEN UND KLINISCHE  
 ANWENDUNG VON HYPNOSE UND KOGNITIVER  
 PSYCHOLOGIE. MILTON-ERICKSON-GESELLSCHAFT  
 FUR KLINISCHE HYPNOSE.  
 ON ORDER  
 SR0054655

JOURNAL OF CARDIOPULMONARY REHABILITATION  
 5N5,MAY 1985?--  
 LE JACQ PUBLISHING  
 NEW YORK UNITED STATES  
 CONTINUES: JOURNAL OF CARDIAC  
 REHABILITATION.  
 IN PROCESS  
 SR0054698 \$50.00  
 LE JACQ,53 PARK PLACE,NEW YORK,NEW YORK  
 10007

<p>JOURNAL OF SEROLOGY 1,1985-- PROUS SCIENCE BARCELONA SPAIN ON ORDER SR0054481 JOURNALS DIVISION, PROUS SCIENCE, APDO CORREOS 540, 08080 BARCELONA, SPAIN</p>	<p>PEDIATRIC ALLERGY AND IMMUNOLOGY 1,1986-- MARY ANN LIEBERT NEW YORK UNITED STATES ON ORDER SR0054514 \$80.00</p>
<p>LETTERS IN APPLIED MICROBIOLOGY 1N1,1985-- BLACKWELL SCIENTIFIC PUBLICATIONS OXFORD ENGLAND ASSOCIATE PUBLICATION OF THE JOURNAL OF APPLIED BACTERIOLOGY. IN PROCESS SR0054423</p>	<p>PEDIATRIC PULMONOLOGY 1,1985-- SAUNDERS PHILADELPHIA UNITED STATES ON ORDER SR0054477</p>
<p>MEDICAL MALPRACTICE VERDICTS, SETTLEMENTS AND EXPERTS 1N1, JAN 1985-- M. LEE SMITH NASHVILLE TN UNITED STATES IN PROCESS SR0054657 \$197.00 P.O. BOX 2678, ARCADE STATION, NASHVILLE TN 37219</p>	<p>PROGRESS IN BIOTECHNOLOGY 1,1985-- ELSEVIER AMSTERDAM NETHERLANDS ON ORDER SR0054608</p>
<p>MONOGRAPHS IN NUCLEAR MEDICINE 1,1985-- HARWOOD CHUR SWITZERLAND CATALOGING IN PUBLICATION. ON ORDER-CIP SR0054570</p>	<p>PROGRESS IN PROTEIN-LIPID INTERACTIONS 1,1985-- ELSEVIER AMSTERDAM NETHERLANDS ON ORDER SR0054551 \$73.50</p>
<p>PAKISTAN JOURNAL OF OTOLARYNGOLOGY 1N1, JAN 1985?-- PAKISTAN SOCIETY OF OTOLARYNGOLOGY KARACHI PAKISTAN IN PROCESS SR0054524 PAKISTAN SOCIETY OF OTOLARYNGOLOGY, 108 BURHANI CHAMBERS, VICTORIA ROAD, KARACHI, PAKISTAN</p>	<p>REPRODUCTIVE AND PERINATAL MEDICINE 1,1985-- PERINATOLOGY PRESS ITHACA NY UNITED STATES CATALOGING IN PUBLICATION. ON ORDER - CIP SR0054633</p>
<p>PAKISTAN JOURNAL OF SURGERY 1N1, APR 1985-- SOCIETY OF SURGEONS OF PAKISTAN KARACHI PAKISTAN IN PROCESS SR0054569 SOCIETY OF SURGEONS OF PAKISTAN, C/O CHARANIA HOSPITAL, M.A. JINNAH ROAD, KARACHI 1, PAKISTAN</p>	<p>REVIEWS OF OCULOMOTOR RESEARCH 1,1985-- ELSEVIER AMSTERDAM NETHERLANDS CATALOGING IN PUBLICATION. ON ORDER - CIP SR0054571</p>

## PART 7 MEDLINE

### 7.1 INTRODUCTION

The MEDLINE file contains all citations published in Index Medicus, plus the "special list" journals, that were entered into the database during the current and two immediately preceding years: for example, the 1985 MEDLINE file contains citations entered during 1985, 1984 and 1983. Older citations reside in the MEDLINE backfiles. In December of each year the oldest year of MEDLINE citations is retired to a backfile: for example, in December of 1984 all citations entered into the file during 1982 were put into the MED80 file along with items entered into the MEDLINE file after December 31, 1982 but having a publication date of 1982 or earlier. The names, years of coverage, and number of citations in the MEDLINE backfiles are:

MED66	1966-1970	954,650
MED71	1971-1974	883,906
MED75	1975-1976	642,710
MED77	1977-1979	775,167
MED80	1980-1982	804,874

MEDLINE is updated with about 20,000 to 25,000 citations each month. The monthly group of new citations is simultaneously put into MEDLINE and into another file known as SDILINE. The SDILINE file is offered as a separate database to allow easier access to only the new citations, eliminating the need to limit a large retrieval from MEDLINE when only the current month's information is wanted.

The total number of citations in MEDLINE ranges from 380,000 to 630,000; articles are indexed from about 3,200 biomedical journals published in the United States and about 70 foreign countries. Some citations to chapters or articles from monographs are also found in the MEDLINE backfiles.

### 7.2 ENTERING THE MEDLINE FILE

Users of the online NLM network are automatically placed in MEDLINE when logging in. When connected to another database, the user may access MEDLINE, SDILINE, and all the backfiles using the appropriate FILE command.

### 7.3 MEDLINE UNIT RECORD

The MEDLINE unit record is the computer-stored information representing one journal article or monograph portion. The table below lists the data elements, with their two-letter abbreviations, that may be found in MEDLINE or SDILINE citations.

Rev. 8/85

The MEDLINE Unit Record

Category Qualifier	Element Name	Search Status	PRINT	PRINT FULL	PRINT DETAILED	PRINT AR
AA	Abstract Author	*			X	
AB	Abstract	TW			X	X
+AD	Address				X	
AU	Author	*	X	X	X	X
CA	Call Number	*		X	X	
+CY	Country	*			X	
DA	Date of Entry	*,R			X	
DP	Date of Publication	*			X	
EA	English Abstract Indicator				X	
EM	Entry Month	*			X	
ID	ID Number	*			X	
IP	Issue/Part/Supplement				X	
IS	ISSN	*			X	
JC	Journal Title Code	*			X	
LA	Language	*		X	X	
LI	Special List Indicator	*			X	
LR	Last Revision Date	*,R			X	
MH	MeSH Headings	*		X	X	
MN	MeSH Tree Number	*				
NI	No-Author Indicator				X	
NM	Name of Substance	*,NF		X	X	
PG	Pagination				X	
PS	Personal Name as Subject	*			X	
RF	Number of References				X	
RN	CAS Registry/E.C. Number	*		X	X	
RO	Record Originator				X	
SB	Journal Subset	*			X	
SH	Subheadings	*		X	X	
SO	Source		X	X	X	X
TA	Title Abbreviation	*			X	
TI	Title	TW	X	X	X	X
TT	Transliterated/Vernacular Title				X	
UI	Unique Identifier	*,R	X	X	X	X
VI	Volume Issue				X	
YR	Year	*				
ZN	MeSH Z Tree Number	*			X	

---

\* = Directly searchable  
R = Rangeable  
TW = Text Word searchable  
NF = Name Fragment searchable  
+ = SDILINE only

Rev. 8/85

The following is a sample PRINT DETAILED COMPRESSED unit record for a journal article:

UI - 85213057  
AU - Jankowski J  
TI - [Prospective evaluation of occupational risk]  
LA - Pol  
MH - Accidents, Occupational ; Adolescence ; Adult ; Aged ; Comparative Study ; English Abstract ; Female ; Great Britain ; Human ; Life Expectancy ; Male ; Middle Age ; Occupational Diseases/MORTALITY/\*OCCURRENCE ; Occupations ; Poland ; Prospective Studies ; Radiation Injuries/MORTALITY/OCCURRENCE ; Radiation, Ionizing ; Risk ; Smoking ; United States  
DA - 850725  
DP - 1984  
IS - 0465-5893  
TA - Med Pr  
PG - 435-42  
SB - M  
ZN - Z1.542.248.679  
EA - A  
IP - 6  
TT - Perspektywiczna ocena ryzyka przy pracy zawodowej.  
VI - 35  
JC - MOJ  
AA - Author  
EM - 8509  
AB - The paper presents the risk of life-loss at work due to ionizing radiation, as compared to work in other professions. Average life-expectancy loss in exposure to ionizing radiation, mean annual dose of 0,5 radium, comes to 12 days, whereas in other industries life-expectancy reduction comes to 500 days.  
S0 - Med Pr 1984;35(6):435-42

Rev. 8/85









# The NLM Technical Bulletin

ISSN 0146-3055  
SEPTEMBER 1985  
No. 197

## In This Issue:

NLM Online Users' Meeting, MLA Annual Meeting, NY, NY, May 27, 1985	1
Modularization Of The Advanced Online Services Training Class	7
PRINT Commands In TOXNET	12
Answers To TOXNET Search Exercises	16
<i>Monthly Search Hint</i> NEIGHBORing For Spelling Variations In MEDLINE	21
Workshop On TDB Sources -- Report Available From NTIS	22
Attached -- OSRM Replacement Page--MEDLINE	
Regular Features:	
Databases	2
Technical Notes	3
Serials Update	25

## NLM Online Users' Meeting, MLA Annual Meeting, NY, NY, May 27, 1985

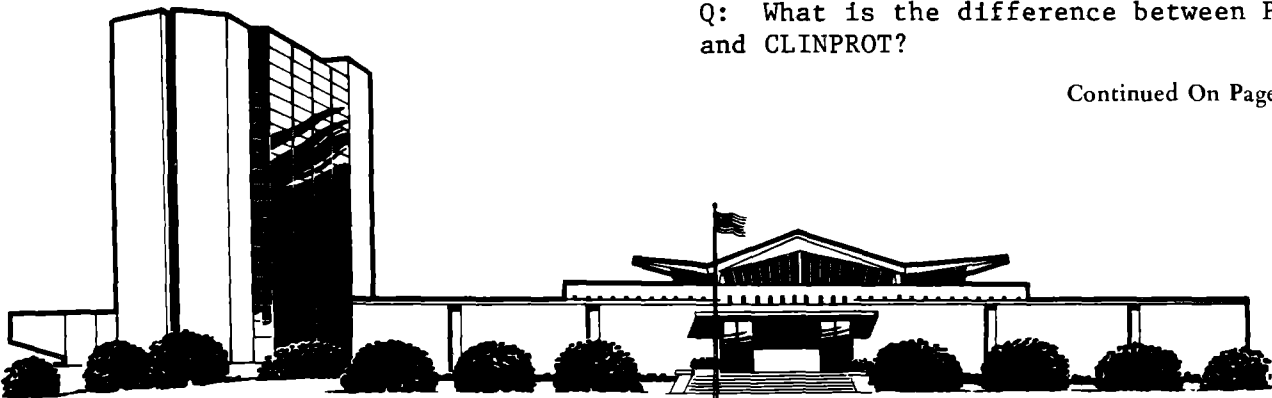
The following questions were posed during the online users' meeting. The answers provided here are based on the answers given at the time of the meeting, but have been edited and, in some cases, amplified by staff at NLM.

1.  
Q: Can an update tag be added to each item of the online NEWS so we can determine if we have previously seen a NEWS item, and don't have to see it again?

A: The summary chart called **\*\*\*LIST OF NEWS ITEMS\*\*\***, which lists the individual items by date, was implemented on July 1, 1985 and is documented in the July issue of the NLM Technical Bulletin.

2.  
Q: What is the difference between PDQ and CLINPROT?

Continued On Page 5



DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
(ELHILL SYSTEM)				
AVLINE	13,819	THROUGH 1985	12 SEP 85	
BIOETHICS	18,802	JAN 73-APR 85	13 AUG 85	8508(EM)
CANCERLIT	479,166	JAN 63-SEP 85	31 AUG 85	8509(EM)
CANCERPROJ	5,591	THROUGH 1984	29 JUN 85	8507(EM)
CATLINE	593,855	THROUGH 1985	12 SEP 85	
CHEMLINE	646,098		10 AUG 85	8508(EM)
CLINPROT	5,008		28 AUG 85	8508(EM)
DIRLINE	14,816		25 MAR 85	
EXPRESS	7,665	JAN 85-SEP 85	31 AUG 85	8509(EM)
HEALTH	321,915	JAN 75-OCT 85	07 SEP 85	8510(EM)
HISTLINE	67,239		07 SEP 85	8509(EM)
MEDLINE	688,306	JAN 83-OCT 85	31 AUG 85	8510(EM)
MED80	804,796	JAN 80-DEC 82	14 SEP 85	
MED77	775,069	JAN 77-DEC 79	22 JUL 85	
MED75	642,694	JAN 75-DEC 76	06 SEP 85	
MED71	883,860	JAN 71-DEC 74	22 JUN 85	
MED66	954,613	JAN 66-DEC 70	22 JUL 85	
MESH VOC	54,897	1985	14 SEP 85	
NAME AUTH	185,124		14 SEP 85	
POPLINE	141,602	1970-SEP 85	14 SEP 85	8509(EM)
RTECS	74,794	THROUGH APR 85	31 MAY 85	
SDILINE	25,427	OCT 85	31 AUG 85	8510(EM)
SERLINE	65,865	1985	25 AUG 85	
TDB	4,114		28 JAN 85	
TOXLINE	632,261		14 SEP 85	8509(EM)
CBAC	361,996	1981-VOL 103(3,4)		
TOXBIB	135,940	1981-OCT 85		
IPA (ASHP)	30,375	1981-VOL 22(15,16)		
BIOSIS	5,103	AUG 85		
HEEP	49,788	1981-VOL 14(8)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	5,937	1981-APR 1984		
TD3	18,283	1981-GRA&I 85(12,13)		
HMTC	805	1981-JUL 1985		
ILO	3,983	JUL 1985		
RPROJ/CRISP	10,016	FY 83 and 84		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXBIB	106,643	1976-1980		
IPA(ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA(ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAPAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		
(TOXNET SYSTEM)				
TDB	4,139		14 AUG 85	
HSDB	4,139		04 SEP 85	

Editor: Carolyn B. Tilley Assistant Editor: T. Scott Plutchak Technical Notes Editor: Patricia E. Healy Layout/Design: Joseph P. Fitzgerald (301) 496-6193	Direct Inquiries to: MEDLARS Management Section National Library of Medicine Bldg. 38A, Rm. 4N421 Bethesda, Maryland 20894
--	--

## Technical Notes

Whenever applicable, the heading of each Technical Note includes a reference to the section of the Online Services Reference Manual, 1982 and Supplement, 1984 that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

### VETERANS DAY HOLIDAY SCHEDULE

The NLM computer will be up on Monday, November 11, 1985, Veterans Day. Non-prime rates will be in effect all day. The MEDLARS® Management Service Desk will not be staffed.□

### CANCEREXPRESS DATABASE DISCONTINUED

The National Cancer Institute is discontinuing the CANCEREXPRESS database effective October 1, 1985. The database, serves as a high quality journal current awareness file, has not received sufficient use to warrant its remaining as a separate file. All records in EXPRESS are also included in CANCERLIT, so the data will continue to be searchable and retrievable online. Users can limit retrieval to citations from the EXPRESS core journal list by including AND X (SB) at the end of their CANCERLIT search strategy.□

### ELHILL TDB DISCONTINUED

As announced in the June 1985 NLM Technical Bulletin, the ELHILL version of the Toxicology Data Bank (TDB) will be removed from ELHILL, effective October 1, 1985. The expanded version of TDB, and the more comprehensive

HSDB (Hazardous Substances Data Bank), will be available exclusively through TOXNET.□

### TOXNET DATABASES ON INVOICES

Beginning with the July 1985 invoices, the TOXNET files will be listed with their associated monthly charges, if any, as follows:

<u>Invoice listing</u>	<u>Database</u>
HSDB	HAZARDOUS SUBSTANCES DATABANK
TDB	TOXICOLOGY DATA BANK (TOXNET version)
INTOX	INTROTOX

The ELHILL version of TDB will continue to be shown on the invoices as TOXICOLOGY as long as this database remains available through ELHILL (i.e., through the end of September).□

### EXPANDED COVERAGE OF BIOSIS IN TOXLINE

With the August 1985 (8508 (EM)) update of the TOXLINE® database, expanded coverage begins for information supplied by BioSciences Information Services, the producer of the HEEP subfile. The subfile will now have the acronym "BIOSIS" in both the SI (Secondary Source Identifier) and AB (Abstract) fields of TOXLINE records. This change in subfile name reflects expanded coverage of information from BIOSIS related to the toxicological aspects of environmental health. Records in this expanded subfile will be numbered consecutively in the SI field beginning with #1; the

record numbers will no longer correspond to abstract numbers in the hardcopy of HEEP. Records added prior to this update will still have the HEEP designation on them, so searchers are reminded to use both acronyms when identifying this subfile in search statements (both in online searches and stored searches). Additional information about this change will be provided in an upcoming NLM Technical Bulletin article.□

#### BIBLIOGRAPHY OF MEDICAL REVIEWS, JULY 1985

In the July 1985 issue of Index Medicus, pages 1 and 2 were inadvertently omitted from the Bibliography of Medical Reviews section. For citations to review articles on the concepts that would have appeared on these pages, please refer to the desired subject heading in the regular Subject Section of the July issue of Index Medicus. These citations are printed with the number of references, e.g.,(154 ref.), for ease of recognition.

NLM regrets any inconvenience this may cause. These omitted citations will be printed in the Bibliography of Medical Reviews section of the 1985 Cumulated Index Medicus.□

#### CLINPROT INDEX TERM LIST

The CLINPROT Index Term listing for September 1985 is now available. It may be requested by writing to the

MEDLARS Management Section, National Library of Medicine, Bldg. 38A, Room 4N421, Bethesda, Maryland 20894. Please include a self-addressed label with your request. No return postage is necessary.□

#### REVISED MEDLINE REPLACEMENT PAGE

Attached to this issue of the NLM Technical Bulletin are replacement pages 169 and 170 of the Online Services Reference Manual. Pages 167-169 were included with the August issue to reflect the addition of the Unique Identifier (UI) to the standard PRINT commands. Page 170, however, which is the verso of 169, was not included, which could lead to confusion among users attempting to make the additions to the OSRM. The use of the replacement page included with this issue should eliminate any possible confusion.□

#### NLM TECHNICAL BULLETIN CHANGE OF ADDRESS FORM

Beginning with this issue of the NLM Technical Bulletin, a change of address form that may be used in lieu of a letter when requesting an address change for the monthly NLM Technical Bulletin or for billing will be included near the back of every third issue. (Please do not send billing address changes directly to the National Technical Information Service [NTIS]). To facilitate service, please include your User ID code on all address changes.□

Please access FILE INFORM and type NEWS to see the latest news item online!

Online Users' Meeting  
Continued From Page 1

A: PDQ is a menu-driven database, designed for direct use by health professionals, which offers three types of information: 1) Brief descriptions of state-of-the-art treatment regimens by tumor type and stage of growth for those cancers for which an effective therapy is available; 2) a directory of cancer specialists and institutions involved in cancer treatment; and 3) summaries of about one thousand active experimental protocols.

CLINPROT is an ELHILL-searchable database containing summaries of experimental protocols for cancer treatment. It contains the NCI-approved and active protocols included in PDQ, plus nearly 4,000 additional closed, terminated or foreign protocols. It does not contain the investigator locator information for patient referral that is found in PDQ.

3.

Q: As a medical librarian, I find that searching PDQ can be very frustrating. Why?

A: PDQ is a prototype of a user-friendly cancer treatment information system that has been designed for the health professional, and step-wise improvements are continually being made. We recognize that the use of menu-driven systems can be frustrating to an experienced ELHILL searcher, but once an expert mode is developed, with full search and retrieval software, intermediary searchers should also find PDQ convenient to use. While government staffing and budget restrictions are delaying a rapid advancement of these search enhancements, progress is still being made.

4.

Q: If the printed MeSH tool would lie open, it would be easier to use.

A: The 1986 MeSH tools (Medical Subject Headings--Annotated Alphabetic List, Medical Subject Headings--Tree Structures, and Permuted Medical Subject Headings) will be three-hole punched as well as glue-bound in order to accommodate the use of three-ring binders.

5.

Q: The binding on the printed MeSH is inadequate. Can it be improved?

A: The bindings for the 1985 Medical Subject Headings--Annotated Alphabetic List and the Medical Subject Headings--Tree Structures were strengthened in response to comments from users. The bindings are still glued, but there have been fewer complaints. A sewn binding would be extremely expensive for users.

6.

Q: Regarding health professional training, is a modified version of the Basics of Searching MEDLINE going to be available in the future?

A: A revised version of The Basics of Searching MEDLINE: A Guide for the Health Professional is now available from NTIS. The order number is PB85-232650, and the cost is \$12.00 (\$24.00 foreign). No further revisions are anticipated until early 1987.

7.

Q: End-users who are the most successful in searching are trained thoroughly in the use of MeSH. Are there any plans to issue supplementary tools?

A: There are no plans for supplementary MeSH instructional tools. The Initial Online Training class covers the issue of the MeSH vocabulary in great detail and the Health Professional Training Guide also devotes much emphasis to the use of MeSH. NLM will look into developing additional MeSH assistance either as supplementary tools or incorporated into a retrieval system.

8.

Q: What will be the pricing of TOXNET?

A: Both databases now available on TOXNET (Toxicology Data Bank and Hazardous Substances Data Bank) are priced at the same rate using an algorithm modeled on the ELHILL pricing algorithm. The average cost is \$68.00/hour non-prime time and \$75.00/hour prime time. More information on the TOXNET billing algorithm can be found in the June 1985 NLM Technical Bulletin.

9.

Q: What amount of connect time is used by individual users as compared to organizations?

A: According to statistics, health professionals generally use the MEDLARS system for one to two hours per month.

10.

Q: Can we be provided a list of those institutions which are receiving MeSH tapes to use for authority work?

A: NLM suggests that individuals check with colleagues to determine organizations using MeSH for authority work pertinent to their interests. Institutions lease MeSH for many

reasons; NLM is not always aware of those reasons.

11.

Q: Regarding the online pricing algorithm, can the lengthy, bulky bills be reduced?

A: Detail sheets showing the online and offline statistics with charges broken down by item (hours, citations, characters, pages, etc.) are enclosed with the actual invoice or statement of account when it is mailed each month by the National Technical Information Service. These sheets summarize the online and offline components by database. They are provided in detail so that searchers may be informed of usage on databases. Other uses for these detail sheets include cost analyses to determine usage for future budget preparations, analysis of offline print costs in order to determine per citation charges, and the like.

If the detail sheets are not needed by the user they can be discarded. The present billing system used by NLM does not allow production of search session statistics. Users must keep SHOW COST displays on paper copy if search-by-search statistics are desired.

12.

Q: Will proximity searching, now available with TOXNET, soon be available for ELHILL searching?

A: Proximity searching is planned for the retrieval system in MEDLARS III. The target date for the MEDLARS III search system is Fall 1987. ELHILL searching as it is known today will not be modified to incorporate proximity searching. □



## Modularization Of The Advanced Online Services Training Class

Patricia C. Buchan  
MEDLARS Management Section, NLM

Since the week of April 29-May 3, 1985, the NLM staff has been teaching the Advanced Online Services Training Class in a modular format. This format provides the same information as provided in the past; however, it allows the trainee the opportunity to select either the full week of training, or "a la carte" from the five modules presented. These modules are:

Module I (Monday)  
Technical Services Databases:  
CATLINE, AVLINE, SERLINE, and NAME  
AUTHORITY FILE

Module II (Tuesday)  
MEDLINE and Related Files:  
MEDLINE, MESH, HEALTH, POPLINE,  
BIOETHICS, and HISTLINE

Module III (Wednesday & Thursday)  
Specialized Information Services  
Databases:  
CHEMLINE, TOXLINE, RTECS, and TOXNET

Module IV (Friday morning)  
Cancer Literature Searching:  
CANCERLIT, CANCERPROJ, CLINPROT,  
and PDQ

Module V (Friday afternoon)  
Search Workshop

Trainees are encouraged to attend all five modules; however, if they require instruction only in specific areas, this format allows that choice.

An agenda for the Advanced Training Class appears on the following pages. As a result of this modularization, a revised training application form has been designed and is attached at the back of this issue of the NLM Technical Bulletin. Please keep the form on file so that any future requests for training can be easily made.

Anyone having questions about the availability of an Advanced Online Services Training Class should contact the MEDLARS Management Service Desk. □

AGENDA

MODULARIZED ADVANCED ONLINE SERVICES TRAINING CLASS  
NATIONAL LIBRARY OF MEDICINE

MODULE I TECHNICAL SERVICES DATABASES

MONDAY - WELCOME/GENERAL INFORMATION 8:15- 8:30

A. CATLINE/NAME AUTHORITY FILE

1. CATLINE LECTURE 8:30-10:00

2. NAF LECTURE 10:00-10:15

\*\*BREAK\*\*

3. TERMINAL EXERCISES AND DISCUSSION 10:30-11:45

\*\*LUNCH\*\*

B. AVLINE

1. LECTURE 12:45- 1:30

2. TERMINAL EXERCISES AND DISCUSSION 1:30- 2:30

\*\*BREAK\*\*

C. SERLINE

1. LECTURE 2:45- 4:00

2. TERMINAL EXERCISES AND DISCUSSION 4:00- 5:00

MODULE II MEDLINE AND RELATED FILES

TUESDAY - WELCOME/GENERAL INFORMATION 8:15- 8:30

A. MeSH VOCABULARY FILE 8:30- 9:00

B. MAPPING OF MeSH DESCRIPTORS 9:00- 9:30

\*\*BREAK\*\*

C. MEDLINE/HEALTH

1. LECTURE 9:45-12:00

\*\*LUNCH\*\*

2. TERMINAL EXERCISES AND DISCUSSION 1:00- 2:30

\*\*BREAK\*\*

D. POPLINE/BIOETHICS/HISTLINE

1. LECTURE 2:45- 4:15

2. TERMINAL EXERCISES AND DISCUSSION 4:15- 5:00

MODULE III SPECIALIZED INFORMATION SERVICES DATABASES

WEDNESDAY - WELCOME/GENERAL INFORMATION 8:15- 8:30

A. CHEMLINE

1. LECTURE 8:30-10:30

\*\*BREAK\*\*

2. TERMINAL EXERCISES AND DISCUSSION 10:45-12:15

\*\*LUNCH\*\*

B. TOXLINE

1. LECTURE 1:15- 2:15

\*\*BREAK\*\*

2. TERMINAL EXERCISES AND DISCUSSION 2:30- 5:00

THURSDAY

C. RTECS

1. LECTURE 8:30-10:00

\*\*BREAK\*\*

2. TERMINAL EXERCISES AND DISCUSSION 10:15-12:00

\*\*LUNCH\*\*

D. TOXNET (TOXICOLOGY DATA NETWORK) 1:00-3:00

1. HSDB (HAZARDOUS SUBSTANCES  
DATA BANK)

2. TDB (TOXICOLOGY DATA BANK)

\*\*BREAK\*\*

3. TERMINAL EXERCISES AND DISCUSSION 3:15- 5:00

MODULE IV CANCER LITERATURE SEARCHING

FRIDAY - WELCOME/GENERAL INFORMATION 8:15- 8:30

A. CANCERLIT/CANCERPROJ/CLINPROT

1. LECTURE 8:30-10:00

\*\*BREAK\*\*

B. DEMONSTRATION OF PDQ 10:15-10:45

1. TERMINAL EXERCISES AND DISCUSSION 10:45-12:15

\*\*LUNCH\*\*

NLM TOUR (OPTIONAL) 1:00- 2:00

MODULE V SEARCH WORKSHOP

FRIDAY AFTERNOON

TERMINAL EXERCISES AND DISCUSSION 2:00- 5:00

Effective: 4/85

## PRINT Commands In TOXNET

Philip Wexler  
Specialized Information Services, NLM

PRINT commands result in the online display and/or hard copy printing of complete or partial unit records retrieved through searching. All PRINT commands presuppose that one or more sets of records have been retrieved. Either PRINT or the abbreviation PRT may be used in any of the PRINT command options.

### Online vs. Offline Printing

The display or printing of data at the user's terminal is called online printing. The system understands all PRINT commands to be online unless they contain the word OFFLINE. In TOXNET, online printing proceeds for the length specified in the user's profile. The system default is 22 lines. If additional retrieved data still has not been printed, the user is asked "CONTINUE PRINTING? (YES/NO)". This query can be overridden by the PRINT CONTINUOUS command described below. For print commands longer than the terminal line length, the user may continue to type onto subsequent lines (maximum of 200 characters) and complete the command with a single carriage return.

Offline printing is initiated at the user's terminal through the use of the PRINT OFFLINE command. The actual printing is performed remotely on NLM's high-speed printer and printouts are mailed to users on the following work day. When a PRINT OFFLINE command is issued, the system will prompt the user for name, address, city-state-zip, requester's name, and search title. Users with stored addresses in their profiles will be asked to respond in a slightly different fashion as shown in Figure 1.

PRINT CONTINUOUS  
(abbreviation=PRT CONT)

This command overrides the pagelength limitation and provides an uninterrupted display of data. This command is useful when the data to be printed is lengthy and the user is fairly certain all the data warrants printing. If the PRINT CONTINUOUS command is issued by mistake, or the user has a change of heart upon seeing an overload of data, the display may be aborted by hitting the slash (/) key or the break key. This command is only used during online printing.

### Standard vs. Tailored Printing

In TOXNET, standard printing results in a display of the following information: HSDB Number (HSN) or TDB Number (TDBN), Substance Name (NAME), CAS Registry Number (RN), Last Revision Date (DATE), and Record Length (RLEN). Standard printing is achieved by issuing the command PRINT or its equivalent PRINT STANDARD.

Tailored printing involves specifying category, header, or field mnemonics. Mnemonics should be separated by spaces or commas, for example: PRT SS 7 ID, ENVC, HUEX, TSCA. Mnemonics, not full names, must be used. Thus one cannot enter: PRT INTERACTIONS, but must instead type PRT INTC. If the user issues a print command with a header, for instance PRT OPL, all the data fields under that header (in this case Occupational Permissible Levels) will print out. If the print command is issued with a category, such as PRT EXSR, all the data fields under that category (Exposure Standards & Regulations) will print out. (The July 1985 NLM Technical Bulletin contains a detailed discussion of categories, headers, and data fields.) Certain types of printing by mnemonics are redundant to the system and should be avoided. For instance, typing PRT HAZR, POLY will print the same data

*yellow 10/25/85  
PROFILE MODIFY  
PRINT PRINTGROUP  
(not headers (NAME) but for  
data elements e.g. MMFG, MFS, P200, etc.)*

statements for Polymerization twice, since POLY is a data field within the header Hazardous Reactions. When printing, the system will automatically head the display with the data fields HSN or TDBN, and NAME. This provides identifying information about each chemical record.

commands, although the system will accept it. PRINT INDENTED results in data statements preceded by the full name of the data fields instead of just the mnemonic. This is especially handy for users who have not memorized the mnemonics for all fields in the HSDB and TDB files.

PRINT COMPACT vs. PRINT INDENTED

The TOXNET system defaults to compact printing, which means that all data statements are preceded by the mnemonics identifying the data fields being printed. It is not necessary to include the word COMPACT in print

PRINT DETAILED (abbreviation=PRT DL)

This command prints the entire record exclusive of those portions containing no data. In other print commands, fields with no data print out with the mnemonic name and the statement "NO DATA". In the PRINT DETAILED command,

```

                USING A STORED ADDRESS IN TOXNET

SS 2 /C?
USER:
prt offline manf, phmk

** EDWINA STREGLETHORPE HAS STORED DATA.**
ENTER 'STORED' AT THE FIRST PROMPT TO RETRIEVE IT.
                                                    (Message alerting user that
                                                    a stored address exists)

NAME?

USER:
stored

SEARCH TITLE, OR NONE

USER:
yellow dyes

OK? (Y/N/C/ADDRESS)

USER:
y
OFFLINE PRINT HAS BEEN COMPLETED.
```

Figure 1

the fields with no data do not print out. This is the command for seeing everything there is on a chemical. Because records can be extremely lengthy, this command should be used judiciously. Users may want to check the Record Length (type PRT RLEN) before issuing a PRT DL command, especially if used in conjunction with a PRT CONTINUOUS command. It is ordinarily preferable to print specific fields, headers, or categories. The PRINT DETAILED command is probably best reserved for offline printing.

PRINT ONLY

In situations where the user wants to override mnemonics which would

otherwise print automatically, the PRT ONLY command may be used. For example, if the user is interested in displaying only the CAS Registry Numbers (RN) of a retrieved set of records, without seeing the other information (e.g., HSN and NAME) which would ordinarily print if the command PRT RN were issued, the following command should be typed: PRT RN ONLY.

PRINT EXCLUDE

This command is used to suppress certain data fields from printing. For example, a user wanting to see the Safety and Handling category of a record but not the Preventive Measures portion would type: PRT SAFE EXCLUDE PRVN.

```

                                "PRINT HITS"

SS 1 /C^
USER:
(cofo) yellow or white
SS (1) FSTG (1448)

SS 2 /C^
USER:
1 and sour (tast)
SS (2) FSTG (4)

SS 3 /C^
USER:
prt 2 hits

HSN - 275
NAME - CYCLAMATE
COFO - WHITE CRYSTALLINE POWDER [IARC MONOGRAPHS 1972-PRESENT]
TAST - SWEET-SOUR [MERCK INDEX 9TH ED 1976]

HSN - 570
NAME - HYDROBROMIC ACID
COFO - COLORLESS OR FAINTLY YELLOW LIQUID [MERCK INDEX 9TH ED 1976]
COFO - WHITE CRYSTALS /DIHYDRATE/ [WEAST. HDB# CHEM & PHYS 60TH ED 1979]
TAST - FUMES IN MOIST AIR FORMING CLOUDS WHICH HAVE A SOUR TASTE /GAS/
      [MERCK INDEX 9TH ED 1976]
    
```

Figure 2



### PRINT INCLUDE

The use of the word INCLUDE allows the printing of specified data fields in addition to those indicated by the rest of the command. For example, PRT INCLUDE ENVT would result in "standard printing," as described earlier, plus the printing of the Environmental Transformations data fields.

### PRINT HITS

One of TOXNET's most powerful commands is PRINT HITS. It allows the user to display only those specific data statements of retrieved records in which the search terms appeared. The command is of greatest utility when the user is trying to pinpoint those portions of the retrieved records dealing with a specific subject and does not need to see the rest of the record.

In the example in Figure 2, the PRINT HITS command caused the printing of only those occurrences containing the words "yellow" or "white" in the COFO

(Color/Form) field and the word "sour" in the TAST (Taste) field. PRINT HITS may also be used after searches done without mnemonics. For instance, in a search for the single unqualified word "gerbil", the PRINT HITS command would cause the display of all data statements within the record which contain this word.

### Other Issues

This article has focused upon print commands unique to TOXNET. Other aspects of printing generally conform to ELHILL conventions. For instance, printing from a search statement prior to the one immediately preceding the print command, the search statement number must be specified, e.g., PRT INDENTED SS 2. Printing a specified number of records at a given location also works the same way, e.g., PRT SOL 10 SKIP 5 would print Solubilities for records 6 through 15. Note though, that aside from TDBN or HSN Numbers, printed records in TOXNET are not numbered, either online or offline. □

## Answers To TOXNET Search Exercises

Philip Wexler  
Specialized Information Services, NLM

Last month's NLM Technical Bulletin article "Searching HSDB and TDB in TOXNET" included five search questions. The following formulations are not necessarily definitive or the best, but simply samples. Many other approaches are possible.

1. How much lead is typically found in canned milk?

Discussion: The strategy searches for lead as a name fragment, that is,

occurring anywhere within the NAME or SY fields. This is done under the assumption that information on lead concentrations in milk is likely to appear either in the lead record itself or in records representing other lead compounds. The word "canned" is searched for in the MILK (Milk Concentrations) field. Searching for LEAD (MILK) would not have retrieved the same record since record NAMEs are not consistently repeated in each of the record's data fields. However, LEAD (MILK) will retrieve the lead nitrate record where, in fact, both the word "lead" and its concentration in milk appear in the MILK field. Canned milk, however, is not mentioned.

```

SS 1 /C?
USER:
lead (nf) and canned (milk)
SS (1) PSTG (1)

SS 2 /C?
USER:
prt hits

HSN - 231
NAME - LEAD
SY - LEAD FLAKE
SY - LEAD S2
MILK - Milk directly from cows 9 ppb; whole bullt milk 40 ppb avg; local
milk from U.S. markets 20-40 ppb(1); canned milk .05-.2 ppm(1).
[(1) IARC; Monograph Some Metals and Metallic Compounds 23:
325-415 (1980)]
    
```

Exercise 1

2. In what industries do mean levels of chloroform in wastewater exceed 500 ppb?

Discussion: The chemical record for chloroform is retrieved and the appropriate data field, Effluent Concentrations (EFFL), is printed. One could have searched for WASTEWATER AND CHLOROFORM and issued a PRT HITS

command. Fortunately, the exact concentration specified in the question, 500 ppb, appeared in the data field. Such are the advantages of nonthreatening exercise questions, since the numeric value "500" cannot be searched directly. The HSDB file should be used for this environmentally oriented question.

```
SS 1 /C?
USER:
chloroform (name)
SS (1) FSTG (1)
```

```
SS 2 /C?
USER:
prt effl
```

```
HSN - 56
NAME - CHLOROFORM
EFFL - Rubber and chemical companies - Louisville, KY 22 ppm max(1).
Industries whose wastewater levels of chloroform exceed a mean
level of 500 ppb are auto and other laundries, aluminum forming,
pharmaceuticals and pulp and paper mills; the pharmaceutical
industry contributes the largest amount of chloroform with mean
and max wastewater concns of 49 and 280 ppb resp(2). Auto
exhausts typically 27 ug/cu m(1). [(1) USEPA; Ambient Water
Quality Criteria for Chloroform. EPA-440/5-80-023 page C-1 to C-5
(1980) (2) USEPA; Treatability Manual. EPA-600/2-82-001a page
I.12.3-1 to I.12.3-5]
```

Exercise 2

3. Name some chemicals formed in the use of wood-burning fireplaces.

Discussion: This strategy illustrates the use of the SAME command in searching for the co-occurrence of three terms in the same data field, Artificial Resources (ARTS). For a more thorough search, one should employ synonyms or variants of the words specified in the search

question. For instance FIRE AND PLACE could be tried. The presence of the patron is always helpful. In this case, the patron could have been asked whether a broader search which identified emissions from the burning of wood, without mentioning fireplaces, would be relevant. This is another question best suited for the HSDB file.

```
SS 1 /C^
USER:
same (arts) wood and burning and all fireplace:
2 OCCURRENCES IN 2 RECORDS
SS (1) PSTG (2)
```

```
SS 2 /C^
USER:
prt hits
```

```
HSN - 41
NAME - ACETONE
ARTS - Emissions from wood-burning fireplaces were measured. Acetone was
one of the compounds identified. Type of wood burned (split logs)
& emission (g/lq): jack pine 0.007; cedar 0.130; red oak 0.030,
0.056, 0.018 & 0.145; green ash 0.007. [Iipari F et al: Aldehyde
emissions from wood-burning fireplaces; Environ Sci Technol 18
(5): 326-30 (1984)]
```

```
HSN - 910
NAME - CHROMIUM
ARTS - The burning of wood in fireplaces, campfires, leaf burning, and
rubbish incineration contribute Cr to the air. [Schroeder HA; AFI
Air Quality Monograph #70-15: Chromium p.1-28 (1970) as cited in
NAS; Medical and Biological Effects of Environmental Pollutants:
Chromium p.15 (1974)]
```

Exercise 3

4. What leather tanning agents are known skin irritants?

Discussion: The SAME command is used to search for the words "leather" and "tanning" together in the USE (Major Uses) data field. A few of the many possible words which describe skin irritation are searched in the data

fields--Skin, Eye, & Respiratory Irritations (SERI); Human Toxicity Values (HTXV); and Human Toxicity Excerpts (HTOX). The formulation assumes that the patron is interested in agents irritating to humans. This search may be performed in either the TDB or HSDB file.

SS 1 /C^

USER:

\_ame (use) leather and tanning

37 OCCURRENCES IN 36 RECORDS

SS (1) PSTG (36)

SS 2 /C^

USER:

(seri) skin or cutaneous or dermal or dermatitis

SS (2) PSTG (388)

SS 3 /C^

USER:

(htxx) skin or cutaneous or dermal or dermatitis

NP (CUTANEOUS)

NP (DERMATITIS)

SS (3) PSTG (84)

SS 4 /C^

USER:

(htox) skin or cutaneous or dermal or dermatitis

SS (4) PSTG (1492)

SS 5 /C^

USER:

2 or 3 or 4

SS (5) PSTG (1616)

SS 6 /C^

USER:

1 and 5

SS (6) PSTG (27)

SS 7 /C^

USER:

prt 1 slip 1 hits

HSN - 252

NAME - CROTONALDEHYDE

USE - INTERMEDIATE FOR 2-ETHYLHEXYL ALCOHOL; SOLVENT; PREPN OF RUBBER ACCELERATORS; PURIFICATION OF LUBRICATING OILS; INSECTICIDES; TEAR GAS; FUEL-GAS WARNING AGENT; ORGANIC SYNTH; LEATHER TANNING; ALC DENATURANT [HAWLEY. CONDENSED CHEM DICTNRY 9TH ED 1977]

HTOX - EXTREME EYE, RESPIRATORY AND SKIN IRRITANT. VERY DANGEROUS TO EYES. CAN CAUSE CORNEAL DAMAGE. REGARDED AS ACUTE IRRITANT ON VERY SHORT EXPOSURE TO SMALL QUANTITIES. [NFPA. FIRE PROTECT GUIDE HAZARD MATLS 1978]

Exercise 4

5. What solvents are metabolically converted to acetaldehyde in the body?

Discussion: This strategy uses truncation (:) to search for "solvent" or "solvents". "Acetaldehyde" is then

searched for in the Metabolism/Metabolites (METB) data field. The AND operator finally produces five postings. Either TDB or HSDB can be used to answer this question. □

```
SS 1 /C^
USER:
(use) all solvent:
MM (SOLVENT:) (2)
```

```
SS (1) PSTG (446)
```

```
SS 2 /C^
USER:
acetaldehyde (metb)
SS (2) PSTG (14)
```

```
SS 3 /C^
USER:
1 and 2
SS (3) PSTG (5)
```

```
SS 4 /C^
USER:
prt 1 hits
```

```
HSN - 70
NAME - DIETHYL ETHER
USE - SOLVENT FOR WAXES, FATS, OILS, PERFUMES, ALI ALOIDS, GUMS,
      NITROCELLULOSE WHEN MIXED WITH ALCOHOL; MFR OF GUN POWDER; AS
      PRIMER FOR GASOLINE ENGINES; REAGENT FOR ORG SYNTHESSES;
      EXTRACTANT OF ACTIVE PRINCIPLES (HORMONES, ETC) FROM PLANT &
      ANIMAL TISSUES [MERC INDEX 9TH ED 1976]
USE - INDUST SOLVENT (SMOKELESS POWD) [HAWLEY, CONDENSED CHEM DICTNRY
      9TH ED 1977]
METB - DIETHYL ETHER CAUSED DETECTABLE BLOOD ACETALDEHYDE LEVELS IN 15
      FT. AVG ACETALDEHYDE CONC WAS 21 MUMOL WHICH APPROXIMATES THE
      LEVEL FOUND AFTER INTAKE OF ETHANOL [MOERLAND ET AL; ADV EXP MED
      BIOL 126(ISS BIOL EFF ALCOHOL) 453 (1980)]
METB - LIVER MICROSOMES METABOLIZED DIETHYL ETHER TO ACETALDEHYDE. THE
      REACTION WAS NADPH-DEPENDENT, & INHIBITED BY CO & ANTIBODY TO RAT
      LIVER CYTOCHROME P-450. CYTOCHROME P-450-CONTAINING MONOOXYGENASE
      SYSTEM ANALOGOUS TO O-DEALY LATION IS INDICATED. [CHENGELIS &
      NEAL; BIOCHEM PHARMACOL 29(2) 247 (1980)]
```

Exercise 5

*Monthly Search Hint*

## NEIGHBORing For Spelling Variations In MEDLINE

T. Scott Plutchak  
Index Section, NLM

Jane L. Rosov  
MEDLARS Management Section, NLM

Spelling variations, particularly in authors' names, are one of the prime causes of inaccurate or incomplete search retrieval. Searchers are cautioned to use the NEIGHBOR command to identify the correct spelling of an author's name, but differences in the rules for alphabetization between MEDLINE and Index Medicus may lead unwary searchers astray. These differences affect names containing spaces, apostrophes, dashes, or other punctuation.

In Index Medicus, a special sort program is used to interfile last names that have non-alphabetic characters or spaces in them. The online ELHILL program performs a simple character-by-character sort in the following order: blanks, special characters (such as hyphens or apostrophes), A-Z, and 0-9. The result of this is that names which occur near to one another in the printed list may appear in a different order or widely separated in the NEIGHBOR list.

A searcher who is unaware of this difference and performs a NEIGHBOR operation on, for example, MCCABE G, will not see the many authors whose names are spelled MC CABE since these will not appear in the same part of the NEIGHBOR list, although they are interfiled in the author section of

Index Medicus. The searcher may be led to miss citations by the same author if the name sometimes appears with the space and sometimes without, or may miss completely the actual author being searched for.

Figures 1 and 2 illustrate this further by showing several names as they appear on a single page of the 1984 Cumulated Index Medicus compared with the same names as they appear following an online NEIGHBOR command.

Users should be careful, therefore, to NEIGHBOR all the various ways in which such names may be listed in order to be sure of finding all the ways in which the name actually appears in one of the online files.

NEIGHBORing is also very useful when doing a Text Word search. Although there are a variety of spelling verifications in the many programs that are used to construct the MEDLINE database, it is still possible for some spelling errors to appear in titles or abstracts of citations in the database. One such error was recently brought to the attention of NLM by a searcher who discovered several citations in which the word OPHTHALMOLOGY occurred in the title or abstract as OPTHALMOLOGY. Although this would not have caused any problems for someone doing a search with MeSH Headings, it did cause a number of citations to be missed in a Text Word search. This particular error has been corrected, but others are possible. Searchers are cautioned when Text Word searching to NEIGHBOR terms which are likely to be misspelled so that they can be sure of getting complete retrieval. NLM, of course, greatly appreciates having any such errors brought to its attention. □

AUTHOR LISTING IN INDEX MEDICUS

From Column 1

Derzlová K see Mydlík M  
 des Combes BJ, Porchet M, Waeber B, Brunner HR: Ambulatory blood pressure recordings. Reproducibility and unpredictability. Hypertension 1984 May-Jun; 6(3):C110-5  
 des Combes BJ, Porchet M, Waeber B, Brunner HR: Ambulatory blood pressure recordings. Reproducibility and unpredictability. Hypertension 1984 Jan-Feb; 6(1):110-4  
 Des Jarlais DC see Langrod J  
 Des Jarlais DC see Spira TJ  
 Des Marchais JE, Benazet JP: Evaluation de l'hémi-arthroplastie de Neer dans le traitement des fractures de l'humérus. Can J Surg 1983 Sep;26(5):469-71 (Eng. Abstr.) (Fre)  
 Des Prez RM see Hande KR  
 Des Roches B see Sin CH  
 Des Rosiers C, Lalanne M, Willemot J: Effects of glycerol on purine metabolism in rat liver cells. Adv Exp Med Biol 1984;165 Pt A:339-42  
 de Sá C see Grossi de Sá MF  
 DeSa D see O'Brien K  
 Dessá DJ, Trevenas CL: Intrauterine infections with group B beta-haemolytic streptococci. Br J Obstet Gynaecol 1984 Mar;91(3):237-9  
 de Sa DJ see Bowman JM  
 Dessá DJ see Hood IC  
 De Sá MF see Astolfi Filho S

• • •

From Column 2

Dessiah D see Rajanna B  
 Desalah D see Trotman CH  
 Desailly I see Fievet P  
 Desaint B see Solal-Caligny P  
 Desaint O see Lambin P  
 de Saint-Affrique H see Meggie D  
 de Saint-Aubain ML see Olesen SP  
 De Saint-Blanquat G, Fritsch P, Cazottes C: Effects of dietary nitrite and nitrate on experimentally-induced inflammation in the rat. Int J Tissue React 1983;5(2):173-80  
 de Saint-Blanquat G see Delmas C  
 de Saint-Blanquat G see la Droitte P  
 De Saint-Blanquat G see Sharkawi M  
 de Saint-Etienne F see Grange JD  
 de Saint-Florent G see Israël L  
 de Saint-Florent G see Petitjean O  
 de Saint-Florent G see Pujade-Lauraine B  
 de Saint-Florent G see Terrioux P  
 de Saint-Georges A see Sztern B

• • •

From Column 3

De Sanctis AJ see Besner JG  
 De Sanctis G see De Carolis C  
 De Sanctis G see Quinti I  
 De Sanctis G see Somenzato G  
 DeSanctis RW see Doroghazi RM  
 DeSanctis RW see Frye R  
 De Sanctis S see Data PG  
 De Sanctis S see Preziosi P  
 De Sandre G see Bambara LM  
 De Sandre G see Corrocher R  
 De Sandre G see Gabrielli GB  
 DeSa'Neto A see Sraow JS  
 Desanghere G see Rijcken WJ

• • •

Sections from a single page of the 1984 Cumulated Index Medicus.

Figure 1



LIST OF NAMES FOLLOWING A "NEIGHBOR" COMMAND IN MEDLINE

POSTINGS	TERM
1	DE S QUÉIROZ L
1	DE SA C ← ①
4	DE SA DJ
1	DE SA ME
2	DE SA MF

UP N OR DOWN N?

USER:  
10

PROG:

POSTINGS	TERM
1	DE SA MH
1	DE SA O
1	DE SA REBELLO N
1	DE SA RM
1	DE SAEDELEER J
1	DE SAEDELEER M
1	DE SAEGER E
2	DE SAINT BASILE G
8	DE SAINT BLANQUAT G ← ④
1	DE SAINT FLORENT G

UP N OR DOWN N?

USER:  
10

PROG:

POSTINGS	TERM
1	DE SAINT JULIEN J
2	DE SAINT MARTIN J
1	DE SAINT MAUR GP
3	DE SAINT VINCENT BR
1	DE SAINT-AFFRIQUE H ← ③
1	DE SAINT-AUBAIN ML
2	DE SAINT-BLANQUAT G
1	DE SAINT-ETIENNE F

• • •  
List continues in  
next column

30 Names Later

POSTINGS	TERM
1	DE SANCHEZ OSORIO B
1	DE SANCHO JL
3	DE SANCTIS A
1	DE SANCTIS AJ
6	DE SANCTIS G ← ⑤
3	DE SANCTIS S
4	DE SANCTIS V
9	DE SANDRE G
1	DE SANT'ANA EJ
2	DE SANTA A

• • •

Several Hundred Names Later

POSTINGS	TERM
2	DESA D ← ②
7	DESA DJ
2	DESA LA
1	DESA'NETO A ← ⑦
9	DESABLENS B
2	DESAGA U
3	DESAGE M
7	DESAGER JP
5	DESAI A
3	DESAI AB

• • •

75 Names Later

POSTINGS	TERM
2	DESANCTIS RW ← ⑥
1	DESANCTIS V
1	DESANGHERE G
1	DESANGLES D
1	DESANGLES F
1	DESANLIS J
1	DESANNA ET

Numbers refer to the identical names in Figure 1.

Figure 2

## Workshop On TDB Sources -- Report Available From NTIS

Under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), the Department of Health and Human Services was charged with "maintaining an inventory of literature, research and studies on health effects of toxic substances." This task was, in turn, assigned to the National Library of Medicine (NLM). In order to meet this obligation, NLM initiated a program to enhance its online retrieval services in toxicology, including the Toxicology Data Bank (TDB), by adding new types of data and information required to evaluate and control health and environmental hazards, particularly hazards stemming from chemical waste sites and accidental chemical spills.

NLM organized a workshop on May 1-2 and June 27, 1984, at which 35 professionals from Government and the private sector evaluated 172 potential sources for these required data and information. The workshop report, titled Identification and Evaluation of Sources For the Toxicology Data Bank, has now been compiled. It

includes a factual description (e.g., citation, data areas covered, degree of indexing, frequency of update, etc.), as well as an objective evaluation for each of the 172 sources reviewed. Background discussion and workshop recommendations also are contained in the report. The factual descriptions of TDB sources contained in the report also will appear online in the future as an optional aid for TDB and HSDB users.

The Workshop Report can be ordered from the National Technical Information Service (NTIS). The order number is PB85-226421/AS and the price is \$17.50. The address is:

National Technical Information Service  
U.S. Department of Commerce  
5285 Port Royal Road  
Springfield, VA 22161  
(703) 487-4650 (For phone orders with a deposit account or credit card).

Remittance should be sent with all mail orders. There is now a \$3.00 (\$4.00 foreign) shipping charge per order.

For further information about the workshop report please contact Vera Hudson or Jack Arthur, (301) 496-5022, at NLM. □

SERIALS UPDATE

INDEXED TITLES UPDATE, SEPTEMBER 1985

The following titles cited in MEDLINE, HEALTH, and POPLINE have recently been selected for indexing, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last

UPDATE. More detailed information about each title may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, AUGUST 1985

- |  |  |
|--|--|
| <p><b>IDL</b> DENTAL PRACTICE MANAGEMENT<br/>DENT PRACT MANAGE<br/>SPRING 1985--<br/>SOUTHAM BUSINESS PUBLICATION<br/>DON MILLS CANADA<br/>INDEXING BEGAN WITH SPRING,1985.<br/>ON ORDER<br/>SR0054758 JTC: EA3<br/>SOUTHAM BUSINESS PUBLICATION, 1450 DON MILLS RD., DON MILLS, ONTARIO M3B 2X7, CANADA</p>                                 | <p><b>INI</b> SEMINARS IN ONCOLOGY NURSING<br/>SEMIN ONCOL NURS<br/>INI,FEB 1985--<br/>GRUNE AND STRATTON<br/>ORLANDO FL UNITED STATES<br/>W1 SE489F 0749-2081<br/>SR0052264 JTC: SEM</p>                |
| <p><b>IDL</b> JOURNAL OF THE AMERICAN DENTAL ASSOCIATION<br/>(EDIZIONE ITALIANA)<br/>J AM DENT ASSOC (ED ITAL)<br/>INI,FEB 1985--<br/>AMERICAN DENTAL ASSOCIATION<br/>ROME ITALY<br/>INDEXING BEGAN WITH VINI,FEB 1985.<br/>ON ORDER<br/>SR0054882 JTC: JAI<br/>EDIMEDICA DUE S.R.L. 00187 ROMA, VIA DEI MAGAZZINI GENERALI, 28/32 ITALY</p> | <p><b>INI</b> SERVIR<br/>SERVIR<br/>INI,1953--<br/>SERVIR<br/>LISBOA PORTUGAL<br/>INDEXING BEGAN WITH V.33,N.4,JUL-AUG 1985.<br/>ON ORDER<br/>SR0054878 JTC: U04</p>                                     |
| <p><b>IM</b> NEUROSCIENCE RESEARCH. SUPPLEMENT<br/>NEUROSCI RES [SUPPL]<br/>1,1985--<br/>ELSEVIER<br/>LIMERICK IRELAND<br/>OFFICIAL JOURNAL OF THE JAPAN NEUROSCIENCE SOCIETY.<br/>IN PROCESS<br/>SR0054869 JTC: OA8</p>   | <p><b>IDL</b> STOMATOLOGIA MEDITERRANEA<br/>STOMATOL MEDITERR<br/>INI,JAN/MAR 1981--<br/>GUISEPPE MESSINA<br/>PALERMO ITALY<br/>INDEXING BEGAN WITH V5N1,1984.<br/>IN PROCESS<br/>S42470000 JTC: UZI</p> |
| <p><b>IDL</b> PCR REPORTER<br/>PCR REP<br/>INI,MAY 1985--<br/>MAXPLAX<br/>MISSISSAUGA CANADA<br/>ONTARIO<br/>INDEXING BEGAN WITH VINI,MAY 1985.<br/>ON ORDER<br/>SR0054759 JTC: PCR<br/>MAXPLAX LTD., 7084 AIRPORT ROAD,<br/>MISSISSAUGA, ONTARIO L4T 2G9, CANADA</p>  |  |

TITLE CHANGES, AUGUST 1985

<p>IDL JOURNAL OF PAEDIATRIC DENTISTRY                  J PAEDIAT DENT                  1N1, APR 1985--                  BLACKWELL SCIENTIFIC PUBLICATIONS                  OXFORD ENGLAND                  CONTINUES: PROCEEDINGS OF THE BRITISH                  PAEDODONTIC SOCIETY.                  INDEXING BEGAN WITH VIN1, APR 1985.                  IN PROCESS 0267-2073                  SR0053856 JTC: JK8</p>	<p>IDL PROCEEDINGS OF THE BRITISH PAEDODONTIC                  SOCIETY                  PROC BR PAEDOD SOC                  1, 1971-15, 1985?                  BRITISH PAEDODONTIC SOCIETY                  HOUNSLOW ENGLAND                  CONTINUED BY: JOURNAL OF PAEDIATRIC                  DENTISTRY.                  W1 PR5847S 0308-4922                  P31540000 JTC: PS9</p>
--	---

TITLES NO LONGER INDEXED AS OF AUGUST 1985

<p>HLI EFFECTIVE HEALTH CARE                  EFF HEALTH CARE                  1N1, JUN 1983-2N6, 1985                  ELSEVIER SCIENCE PUBLISHERS                  AMSTERDAM NETHERLANDS                  PUBLISHED IN COLLABORATION WITH THE                  COMMISSION OF THE EUROPEAN COMMUNITIES.                  INDEXING BEGAN IN 1983.                  W1 EF27 0167-871X                  E02970000 JTC: EHC</p>	<p>IM SEMINARS IN PSYCHIATRY                  SEMIN PSYCHIATRY                  1, 1969-5, 1983                  GRUNE AND STRATTON                  NEW YORK UNITED STATES                  SUPERSEDED BY AN UNNUMBERED MONOGRAPHIC                  SERIES WITH THE SAME TITLE                  W1 SE4896 0037-1971                  S19340000 JTC: U00</p>
--	---

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES AUGUST 1985

The following substantive serial titles were received or ordered by the Serial Records Section. Titles indexed for MEDLINE, HEALTH, and POPLINE are listed in the "INDEXED TITLES UPDATE" section. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill

loans for titles not yet received by the Library. The list is offered as an early announcement and will include price information if known. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

ADVANCED DRUG DELIVERY REVIEWS  
 1, 1986--  
 ELSEVIER  
 AMSTERDAM NETHERLANDS  
 ON ORDER  
 SR0054804 \$130.90

BIOLOGICAL THERAPIES IN DENTISTRY  
 1, JUNE 1985--  
 JOHN WRIGHT  
 LITTLETON MA UNITED STATES  
 ON ORDER  
 SR0054806 \$35.00

ATLASES OF CHILDHOOD  
 1, 1985--  
 MTP PRESS  
 LANCASTER ENGLAND  
 CATALOGING IN PUBLICATION.  
 ON ORDER - CIP  
 SR0054707

BIOMEDICAL TECHNOLOGY TODAY  
 1, FALL 1985--  
 HANLEY AND BELFUS  
 PHILADELPHIA UNITED STATES  
 FALL ISSUE INCLUDED AS PART OF THE 1986  
 SUBSCRIPTION.  
 ON ORDER  
 SR0054807 \$60.00

BRAIN INJURY 1N1,1985-- COLLEGE HILL PRESS SAN DIEGO CA ON ORDER SR0054784	UNITED STATES     \$80.00	INTERCELLULAR AND INTRACELLULAR COMMUNICATION 1986-- CAMBRIDGE UNIVERSITY PRESS CAMBRIDGE ENGLAND CATALOGING IN PUBLICATION. ON ORDER - CIP SR0054866
CHUNG-HUA CHENG HSING SHAO SHANG WAI KO TSA CHIH 1N1,MAR 1985-- CHINESE ACADEMY OF MEDICAL SCIENCES BEIJING CHINA IN PROCESS SR0054760 CHINESE ACADEMY OF MEDICAL SCIENCES, 42 DONGSI XIDAJIE, BEIJING, REPUBLIC OF CHINA		INTERNATIONAL EYECARE 1N1,JUN 1985-- PROFESSIONAL PRESS CHICAGO UNITED STATES CONTINUES: INTERNATIONAL CONTACT LENS CLINIC. IN PROCESS SR0054898 PROFESSIONAL PRESS, 5615 W CERMACK RD, CICERO IL 60650
CURRENT THERAPY IN SPORTS MEDICINE 1985/86?-- B.C. DECKER ONTARIO CANADA IN PROCESS SR0054780 B.C. DECKER, 3228 SOUTH SERVICE ROAD, BURLINGTON ONTARIO L7N 3H8, CANADA		INTERNATIONAL JOURNAL OF ADOLESCENCE AND YOUTH 1,1986-- A B ACADEMIC BERKHAMSTED ENGLAND ON ORDER SR0054815 \$77.00
DIMENSIONS IN ONCOLOGY NURSING 1N1,WINTER 1985-- UNIVERSITY OF TEXAS SYSTEM CANCER CENTER DIVISION OF NURSING HOUSTON TX UNITED STATES CONTINUES: NURSING NEOGRAM, WHICH IS NOT IN THE NLM COLLECTION. ON ORDER SR0054704 \$10.00 DIMENSIONS IN ONCOLOGY NURSING, DIVISION OF NURSING, BOX 82, ROOM L1025, 6723 BERTNER AVE., HOUSTON TX 77030		INTERNATIONAL JOURNAL OF ADULT ORTHODONTICS AND ORTHOGNATHIC SURGERY 1,1986-- QUINTESSENCE KINGSTON UPON ENGLAND THAMES ON ORDER SR0054827 \$88.90
EXPERT NURSE 1N1,MAY 1985-- SHOGAKUKAN TOKYO JAPAN IN PROCESS SR0054737		INTERNATIONAL JOURNAL OF CATERING AND HEALTH 1N1,1986-- A B ACADEMIC BERKHAMSTED ENGLAND ON ORDER SR0054861 \$77.00
FOOD HYDROCOLLOIDS 1,1986-- ELSEVIER BARKING ESSEX ENGLAND ON ORDER SR0054814 \$87.75		INTERNATIONAL JOURNAL OF COLORECTAL DISEASE 1,1986-- SPRINGER NEW YORK UNITED STATES ON ORDER SR0054816 \$62.00
HOUSTON MEDICAL JOURNAL 1N1,1985-- ST JOSEPH HOSPITAL HOUSTON TX UNITED STATES CONTINUES: MEDICAL JOURNAL OF ST JOSEPH HOSPITAL. IN PROCESS SR0054775 MEDICAL JOURNAL OF ST JOSEPH HOSPITAL HOUSTON, 1919 LABRANCH, HOUSTON TX 77002		INTERNATIONAL JOURNAL OF SOCIAL GERONTOLOGY 1,1986-- A B ACADEMIC PUBLISHERS BERKHAMSTED ENGLAND ON ORDER SR0054863 \$77.00

ISSUES IN LAW AND MEDICINE 1N1,JUL 1985-- NATIONAL LEGAL CENTER FOR THE MEDICALLY DEPENDENT AND DISABLED, AND THE HORATIO R, STORER FOUNDATION TERRE HAUTE IN UNITED STATES IN PROCESS SR0054756 \$24.00 OFFICE OF PUBLICATIONS, P.O. BOX 1586, TERRE HAUTE, IN 47808-1586	MOLECULAR BRAIN RESEARCH 1/2,1986-- ELSEVIER AMSTERDAM NETHERLANDS ON ORDER SR0054829 \$181.30
JOURNAL OF CHILD NEUROLOGY 1,OCT 1985-- JOHN WRIGHT LITTLETON MA UNITED STATES ON ORDER SR0054821 \$70.00	MUTAGENESIS 1986-- IRL PRESS OXFORD ENGLAND ON ORDER SR0054864 \$150.00
JOURNAL OF COMPLIANCE IN HEALTH CARE 1,MAR 1986-- SPRINGER NEW YORK UNITED STATES ON ORDER SR0054822 \$44.00	NEURO-ORTHOPEDICS 1/2,1986-- SPRINGER NEW YORK UNITED STATES ON ORDER SR0054830 \$76.00
JOURNAL OF CONTEMPORARY HEALTH LAW AND POLICY 1N1,SPRING 1985-- COLUMBUS SCHOOL OF LAW OF THE CATHOLIC UNIVERSITY OF AMERICA WASHINGTON UNITED STATES IN PROCESS SR0054761 \$10.00 JOURNAL OF CONTEMPORARY HEALTH LAW AND POLICY, CATHOLIC UNIVERSITY LAW SCHOOL, WASHINGTON D.C. 20064	PARASITOLOGY TODAY N1,JUL 1985-- ELSEVIER LIVERPOOL ENGLAND IN PROCESS SR0054673 \$194.00 IAN MCGREGOR DEPARTMENT OF TROPICAL MEDICINE, LIVERPOOL SCHOOL OF TROPICAL MEDICINE LIVERPOOL L3 5QA, UNITED KINGDOM
JOURNAL OF INDUSTRIAL MICROBIOLOGY 1,1986-- ELSEVIER AMSTERDAM NETHERLANDS ON ORDER SR0054823 \$143.20	PEDIATRIC SURGERY INTERNATIONAL 1,1986-- SPRINGER NEW YORK UNITED STATES ON ORDER SR0054831 \$67.00
JOURNAL OF REFRACTIVE SURGERY 1,MAR/APR 1985-- CHARLES B. SLACK THOROFARE NJ UNITED STATES ON ORDER SR0054824 \$70.00	PROFESSIONAL SCHOOL PSYCHOLOGIST 1,1986-- LAWRENCE ERLBAUM HILLSDALE NJ UNITED STATES ON ORDER SR0054858 \$40.00
JOURNAL OF SENSORY STUDIES 1,1986-- FOOD AND NUTRITION PRESS WESTPORT CT UNITED STATES ON ORDER SR0054825 \$75.00	SCHOLARLY INQUIRY FOR NURSING PRACTICE 1,1986-- SPRINGER NEW YORK UNITED STATES ON ORDER SR0054836 \$48.00
METHODOKIKA 1N1,1986-- HAGREFE INTERNATIONAL LEWISTON NY UNITED STATES ON ORDER SR0054859 \$50.50	THEORETICAL SURGERY 1,1986-- SPRINGER NEW YORK UNITED STATES ON ORDER SR0054838 \$67.00
	TOPICS IN OCULAR PHARMACOLOGY AND TOXICOLOGY 1,JAN 1985-- JOHN WRIGHT LITTLETON MA UNITED STATES ON ORDER SR0054840 \$30.00

UNIVERSITY OF PENNSYLVANIA ORTHOPAEDIC  
JOURNAL  
1, SPRING 1985--  
UNIVERSITY OF PENNSYLVANIA ORTHOPAEDIC  
JOURNAL  
PHILADELPHIA UNITED STATES  
IN PROCESS  
SR0054757 \$20.00

UNIVERSITY OF PENNSYLVANIA ORTHOPAEDIC  
JOURNAL, UNIVERSITY OF PENNSYLVANIA, 2  
SILVERSTEIN PAVILION, 3400 SPRUCE  
STREET, PHILADELPHIA PA 19104

UTILIZATION REVIEW AND QUALITY ASSURANCE  
1, JAN 1986--  
WILLIAMS AND WILKINS  
BALTIMORE UNITED STATES  
OFFICIAL JOURNAL OF THE AMERICAN COLLEGE OF  
UTILIZATION REVIEW PHYSICIANS.  
ON ORDER  
SR0054842 \$50.00

VIOLENCE AND VICTIMS  
1, 1986--  
SPRINGER  
NEW YORK  
ON ORDER  
SR0054841

UNITED STATES  
\$54.00

CHANGE OF ADDRESS FORM:

Please attach your current mailing label in the space provided and enter the new information on the lines below. Check the appropriate box(es) below to indicate whether this change is for Billing, the NLM Technical Bulletin, or both. Be sure to include your User ID code. Address changes for Automatic SDI service must be made on the regular Auto SDI form; they cannot be made using this form.

Attach current address label here (or enter current information):

New Address:

Name: \_\_\_\_\_

Office: \_\_\_\_\_

Instit.: \_\_\_\_\_

Street: \_\_\_\_\_

City,  
State, Zip: \_\_\_\_\_

User ID Code: \_\_\_\_\_

Change Billing Address

Change TB address

Mail completed form to: MEDLARS Management Section  
National Library of Medicine  
Bldg. 38A Rm. 4N421  
8600 Rockville Pike  
Bethesda, MD 20894



# The NLM Technical Bulletin

ISSN 0146-3055

OCTOBER 1985

No. 197

## In This Issue:

Special Year-End Processing Issue 1

The Chemical And Physical Properties  
(CPP) Category In HSDB And TDB  
On TOXNET 10

*Monthly Search Hint*  
Think Back  
(Searching With Unique Identifiers) 14

Appendix A -- NLM Foreign and Domestic  
Charges and Minimums

Appendix B -- Pre-explosions for 1986

Appendix C -- Database Update Schedule

Appendix D -- 1986 Holiday Schedule

## Regular Features:

Databases	2
Technical Notes	3
Serials Update	16

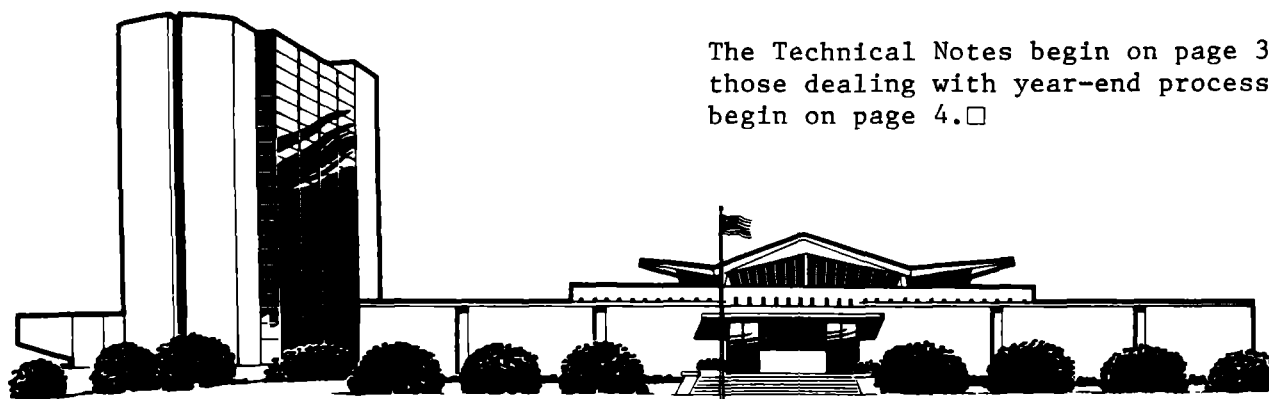
## Special Year-End Processing Issue

### **MEDLINE, MEDLINE Backfiles, Health Planning & Administration**

This issue of the NLM Technical Bulletin contains an expanded Technical Notes section, concentrating on issues related to year-end processing. Year-end processing involves large-scale maintenance of the MEDLINE and HEALTH databases, primarily to reflect changes in the MeSH<sup>®</sup> (Medical Subject Headings) vocabulary. The results of these operations may have a substantial impact on searchers, particularly those with SAVESEARCHes and those who participate in the Automatic SDI program.

Various Technical Notes discuss these changes and operations in detail and include the dates when these changes take effect. Searchers should pay careful attention to these dates in order to plan for the updating of SAVESEARCHes.

The Technical Notes begin on page 3, those dealing with year-end processing begin on page 4. □



DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
(ELHILL SYSTEM)				
AVLINE	13,973	THROUGH 1985	17 OCT 85	
BIOETHICS	19,152	JAN 73-1985	09 OCT 85	8510(EM)
CANCERLIT	484,706	JAN 63-OCT 85	05 OCT 85	8510(EM)
CANCERPROJ	7,067	THROUGH 1985	03 OCT 85	8510(EM)
CATLINE	595,081	THROUGH 1985	17 OCT 85	
CHEMLINE	653,183		12 OCT 85	8509(EM)
CLINPROT	5,048		24 SEP 85	8509(EM)
DIRLINE	15,168		24 SEP 85	
HEALTH	325,004	JAN 75-NOV 85	12 OCT 85	8511(EM)
HISTLINE	68,142		07 OCT 85	8510(EM)
MEDLINE	715,237	JAN 83-NOV 85	05 OCT 85	8511(EM)
MED80	804,796	JAN 80-DEC 82	14 SEP 85	
MED77	775,069	JAN 77-DEC 79	22 JUL 85	
MED75	642,694	JAN 75-DEC 76	06 SEP 85	
MED71	883,467	JAN 71-DEC 74	07 OCT 85	
MED66	954,613	JAN 66-DEC 70	22 JUL 85	
MESH VOC	55,291	1985	21 OCT 85	
NAME AUTH	186,457		30 SEP 85	
POPLINE	142,317	1970-OCT 85	14 OCT 85	8510(EM)
RTECS	76,460	THROUGH JUL 85	19 SEP 85	
SDILINE	26,934	NOV 85	05 OCT 85	8511(EM)
SERLINE	66,001	1985	24 SEP 85	
TOXLINE	647,325		21 OCT 85	8510(EM)
CBAC	369,124	1981-VOL 103(5,6)		
TOXBIB	139,099	1981-NOV 85		
IPA (ASHP)	32,005	1981-VOL 22(17,20)		
BIOSIS	8,250	SEP 85		
HEEP	49,788	1981-VOL 14(8)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	5,937	1981-APR 1984		
TD3	18,283	1981-GRA&I 85(12,13)		
HMTC	805	1981-JUL 1985		
ILO	3,983	JUL 1985		
RPROJ/CRISP	10,016	FY 83 and 84		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXBIB	106,643	1976-1980		
IPA(ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA(ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAPAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		
(TOXNET SYSTEM)				
TDB	4,139		01 OCT 85	
HSDB	4,139		15 OCT 85	

Editor: Carolyn B. Tilley Assistant Editor: T. Scott Plutchak Technical Notes Editor: Patricia E. Healy Layout/Design: Joseph P. Fitzgerald (301) 496-6193	Direct Inquiries to: MEDLARS Management Section National Library of Medicine Bldg. 38A, Rm. 4N421 Bethesda, Maryland 20894
--	--

## Technical Notes

Whenever applicable, the heading of each Technical Note includes a reference to the section of the Online Services Reference Manual, 1982 and Supplement, 1984 that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

### TOXNET SCHEDULED DOWNTIME

The TOXNET computer is brought down every evening from 9:00 to 9:30 pm Eastern Time (ET) to perform a complete systems copy of information on the three disk drives. Additionally, every third Thursday of the month, TOXNET will be unavailable from 9:00 pm to 1:00 am ET for the purpose of preventive computer maintenance. □

### DIRECT DIAL NUMBER CHANGE

On Monday, October 14, 1985 the Bell modem direct dial telephone number to the NLM MEDLARS® computer was changed. The new number is (301) 480-3150; the corresponding old number was (301) 492-3150. Note that only the exchange is changing (from 492 to 480). The change affects only this direct dial number; this does not affect network (Telenet, Tymnet, Uninet) numbers or the Vadic direct dial number. In May 1985, the Vadic modem direct telephone number changed from 492-3129 to 480-3129. This change-over of the Bell modem number completes the process of changing the exchange of direct dial telephone numbers from 492 to 480 which was begun in May 1985. The TOXNET direct dial number, however, is not affected. □

### DECEMBER CANCERLIT UPDATE RESCHEDULED

The NLM computer will be down Saturday and Sunday, December 7-8, 1985, to install the 1986 MEDLINE, MEDLINE Backfiles and HEALTH PLANNING & ADMINISTRATION databases. Therefore, the December CANCERLIT update (8512 (EM)) originally scheduled for December 7, 1985 has been rescheduled for Monday, December 9, 1985. Please annotate the Database Update Schedule -- Appendix A in the June 1985 NLM Technical Bulletin -- to reflect this change. CANCEREXPRESS should also be deleted from this schedule since the database was discontinued October 1, 1985. □

### INTERPRETATION OF "TDB" IN THE LOCATOR (LO) DATA ELEMENT OF CHEMLINE

On October 1, 1985 the TOXICOLOGY DATABANK (TDB) was removed from public access through ELHILL. TDB, as well as HSDB (HAZARDOUS SUBSTANCES DATABANK), is currently available from NLM via the TOXNET system only. In the meantime, the LO (Locator) Data Element in CHEMLINE® records still contains the value "TDB", indicating, when present, that a CAS (Chemical Abstracts Service) Registry Number search for that substance would retrieve a TDB/ELHILL record. NLM is in the process of making adjustments so that the CHEMLINE LO data element will point to TDB and HSDB on TOXNET, as appropriate.

At the present time, the TOXNET databases TDB and HSDB contain records for the same chemical substances as did TDB/ELHILL. Therefore, users should interpret the presence of "TDB"

in the CHEMLINE LO field to mean that upon logging into TOXNET a registry number search will retrieve a record for that substance in both the TDB and HSDB databases. The record itself will be different from TDB/ELHILL because the unit record in each of these TOXNET databases is substantially different from the unit record which was in TDB/ELHILL. (See the May through October, 1985 issues of the NLM Technical Bulletin for additional information about TOXNET).□

### NTIS RAISES MICROFICHE PRICES

Effective October 1, 1985, the National Technical Information Service (NTIS) raised its prices for all microfiche to \$5.95 per document domestic, and \$11.90 foreign. Charges were also increased for most of its non-subscription documents and for its software and data tapes. Specially priced documents, including the MeSH and other MEDLARS tools, remain unaffected by the change except for the microfiche prices.□

### YEAR-END PROCESSING

The 1986 MEDLINE and HEALTH files will be available online with January 1986 data on Monday, December 9, 1985. At that time, all searches using MeSH headings must conform to the Medical Subject Headings, 1986. Changes to the MeSH vocabulary for 1986 are reflected in the various lists contained in the preface to the Medical Subject Headings--Annotated Alphabetic List, 1986. This publication has been available from the National Technical Information Service since the beginning of September; order information was given in the August 1985 NLM Technical Bulletin.□

When using these lists, please note that:

1) Three of the four lists of new headings ("New Medical Subject Headings with Previous Indexing," "New Medical Subject Headings with Scope Notes," and "New Medical Subject Headings by Subcategory") contain only those headings that were not in the 1985 MeSH. They do not include new forms of existing headings; these appear on the list titled, "New Medical Subject Headings Replacing Deleted Headings."

2) Deleted headings on the two lists, "New Medical Subject Headings Replacing Deleted Headings" and "Deleted Medical Subject Headings with Replaced-By Headings," followed by (en) or (ep) may still be used as search terms. (A deleted heading followed by (ep) is a printed "see" cross reference. A deleted heading followed by (en) does not print in the Annotated MeSH). Those few terms not followed by (en) or (ep) may not be used as search terms and must be deleted from all stored and/or saved searches. Terms followed by (en) or (ep) may remain in any stored and/or saved searches.

3) There are two lists of "Topical Subheadings by Category": since 1975, and 1966-74. Before 1975, subheadings were allowed for entire categories, e.g., the subheading "anatomy & histology" could be used with all Category A and Category B MeSH headings. Beginning in 1975, NLM began the practice of restricting some subheadings to use with MeSH headings classified in specific subcategories within a category. For example, the subheading "anatomy & histology" is now restricted within Categories A and B for use only with those MeSH headings in Subcategories A1-A10, A13-A16, B1-B2, and B5-B6.

However, use of some subheadings added since 1975 is still permitted or

restricted at the category rather than the subcategory level.

4) The list of tree number changes is included as part of the Medical Subject Headings--Tree Structures, 1986. Although it is recommended that the MeSH heading terms themselves be used in the EXPLODE instruction whenever possible, there are circumstances that require the use of the tree number instead, e.g., when a term is in more than one tree, with different terms in each tree. When this occurs, the term will have more than one tree number. If the user wishes to search the term EXPLODED only in a specific tree, the user should EXPLODE using the desired tree number. This list of changes may be used to validate tree numbers used in previous searches, especially stored or saved searches.

All STORESEARCHes stored for use with the SDILINE and HEALTH files in the Automatic SDI Program should be reviewed. Those searches requiring revision due to 1986 vocabulary changes must be deleted and re-stored by December 6, 1985. (The January SDILINE and HEALTH SDIs will be processed beginning on or about December 9, 1985). To facilitate review of stored searches, searchers will be able to execute their STORESEARCHes online between November 18, 1985 and December 6, 1985; the December 1985 SDILINE will contain 1986 MeSH terms during this time so searchers can run their STORESEARCHes against this revised SDILINE to check correct operation of stored strategies against the new vocabulary. Only SDILINE will have 1986 vocabulary terms during this time period.

In order to check correct operation of stored searches during this designated period, searchers should first record the number of citations received for each stored search executed by NLM through the Automatic SDI Program against the December 1985 SDILINE

(available November 2) with 1985 vocabulary. (The number of citations retrieved is listed on the front of each SDI printout received.) Beginning November 18, 1985, searchers should execute online each stored search against the December SDILINE, which will contain the same number of citations but will then reflect 1986 MeSH vocabulary. (Stored searches may be executed in the same manner as saved searches during this period, i.e., by inputting the stored search name online qualified by (SN)). If the number of citations (i.e., postings) retrieved is not equal to the number received in the December 1985 SDILINE printouts with 1985 vocabulary, searchers may assume the stored search has been impacted by a 1986 vocabulary change. Searchers should then display the strategy and check the terms used against the lists in the front of the 1986 MeSH. Tree numbers should be checked in the 1986 MeSH Tree Structures; CAS Registry Numbers should be checked in the online MESH VOCABULARY FILE. Remember to check the list of headings new for 1986; some of these new MeSH headings may be pertinent to the search strategies being reviewed.

In summary, the 1985 year-end processing schedule is as follows:

November 2, 1985:

December 1985 MEDLINE/SDILINE (8512 (EM)) available online.

November 16-17, 1985:

SDILINE unavailable in order to update this database with 1986 MeSH vocabulary.

November 18, 1985 through December 6, 1985:

December 1985 SDILINE with 1986 MeSH terms available online with STORESEARCHes executable online.

December 7-8, 1985:

The NLM computer will be unavailable for searching so that the 1986 MEDLINE/HEALTH databases and MEDLINE backfiles may be installed. (The TOXNET computer is unaffected).

December 9, 1985:

8601 (EM) MEDLINE/SDILINE/HEALTH database updates available online with January 1986 data.

December 9, 1985:

HEALTH and SDILINE Automatic SDIs processed against January 1986 data on or about this date.□

#### YEAR-END PROCESSING OF TITLE ABBREVIATIONS AND JOURNAL TITLE CODES

This year NLM has implemented new procedures for year-end processing. These procedures are transparent to MEDLARS searchers; however, the redesign has resulted in considerable time-savings and allows for more data changes (both in variety and volume) to be made to the files.

During 1985, efforts were made to identify Title Abbreviation (TA) values in the MEDLINE and HEALTH files which did not match SERLINE® records. There are two major reasons that these inconsistencies occur: 1) a SERLINE title entry was changed to conform with the CATLINE® record when the item was recataloged or underwent a title change; or 2) a SERLINE record was established incorrectly and subsequently changed. Since the Title Abbreviations were not ever retrospectively maintained in MEDLINE, the MEDLINE backfiles or HEALTH, citations in the files may appear with an earlier version of the Title Abbreviation.

This year, NLM will be able to make corrections to a large number of Title Abbreviations in the MEDLINE, MED83, and MED80 files. When necessary, appropriate corrections are also being made to the Journal Title Code (JC). NLM plans to continue correcting the Title Abbreviation discrepancies during 1986 year-end processing beginning with the MED77 file and working back to the MED66 file.

A portion of the Title Abbreviation discrepancies in the HEALTH file are being corrected this year. Correction of the remainder of the discrepancies will be completed during 1986 year-end processing. Maintenance of the other MEDLARS databases (e.g., POPLINE, CANCERLIT) is under investigation at this time.

Searchers who encounter citations in a database with Title Abbreviations or Journal Title Codes that do not match a SERLINE record are urged to report their findings to the MEDLARS Management Service Desk. NLM would like to check these titles against our master lists and make arrangements to correct any titles that are not on the current lists.□

#### ADDITION OF ENTRY MONTH (EM) VALUES TO THE BACKFILES

The Entry Month (EM) data element was introduced into MEDLINE with the July 1976 update, i.e., 7607 (EM). At the time, no attempt was made to add EM values to retrospective citations. Effective December 9, 1985, the EM tag will be added to all citations from 1966 through the middle of 1976. It will now be possible to limit any MEDLINE or MEDLINE Backfile strategy using the Entry Month (EM). The EM values will be generated from a computer algorithm based on the Date of Entry (DA) value.□

YEAR-END PROCESSING: SUBSET  
SUBSET LICENSEES

All subset licensees are reminded that the 8601 (EM), January 1986 Entry Month, monthly update tape normally scheduled to be sent out in early December will be delayed several weeks due to the end-of-year changes to the files and implementation of the 1986 system.

Those licensees whose subset strategies are being executed as STORESEARCHes, and involve MeSH headings or journal titles, should review these strategies in light of any changes in the 1986 MeSH vocabulary or journal coverage in MEDLINE. Please refer to other Technical Notes in this issue of the NLM Technical Bulletin for complete information concerning the year-end processing schedule. The Serials Update section of each issue of the NLM Technical Bulletin contains information on changes in journal coverage and journal title abbreviations.

Those subset STORESEARCH strategies requiring revision must be deleted and restored by December 6, 1985. Subset recipients receiving the entire contents of each monthly update do not need to be concerned with the impact of 1986 vocabulary or added/deleted journal titles on their subsets. For assistance concerning subsets, contact Jane Rosov at (301) 496-6193 or (800) 638-8480, or write to the MEDLARS Management Section. □

MEDLINE AND BACKFILES 1986

Effective December 9, 1985, a new MEDLINE Backfile, called MED83, will be added to MEDLARS. This file will contain primarily citations with 1983 as the year of publication. The MEDLINE Backfiles and their aliases

for 1986 are:

<u>File</u>	<u>Aliases</u>	<u>Primary Coverage</u>
MED83	M83 BACK83 B83	1983
MED80	M80 BACK80 B80	1980-82
MED77	M77 BACK77 B77	1977-79
MED75	M75 BACK75 B75	1975-76
MED71	M71 BACK71 B71	1971-74
MED66	M66 BACK66 B66	1966-70

Also, as of this date, MEDLINE will contain primarily citations with the years of publication 1984 to the present. □

1986 MESH VOCABULARY  
AND DATABASES

Only the MEDLINE, SDILINE, and HEALTH files will be available on December 9, 1985 with 1986 MeSH terms. Other files using MeSH vocabulary (i.e., CANCERLIT, CATLINE, AVLINE, BIOETHICS, CANCERPROJ, and POPLINE) will be maintained for 1986 vocabulary at later dates. Please watch future issues of the NLM Technical Bulletin and the online NEWS for announcements. Searches stored for the Automatic SDI program for CATLINE, AVLINE, CANCERLIT, or POPLINE should not be revised for 1986 vocabulary at this time. □

JANUARY 1986 SDILINE AUTOMATIC  
SDIs DELAYED DUE TO YEAR-END  
PROCESSING

The 1986 MEDLINE, MEDLINE Backfiles, and SDILINE will be made available on Monday, December 9, 1985. Because this date is one week later than usual due to year-end processing activities, Automatic SDIs on SDILINE will not be run on their normal schedule -- that is, one week prior to the normal online availability of the latest SDILINE. Therefore, users will experience delays in receiving their

SDILINE SDIs for the January 1986 update (8601 (EM)). The 8602 (EM) SDILINE Automatic SDIs for February 1986 will be run one week early -- that is, the weekend of December 21, 1985 -- and will be mailed the following week.

Due to the two updates of SDILINE SDIs in the month of December 1985, participants in the Automatic SDI program should expect charges for two sets of SDILINE Automatic SDIs on their December invoices. Also because of this, no SDILINE Automatic SDIs will be run in November 1985. Therefore, participants in the Automatic SDI program should expect no charges for SDILINE Automatic SDIs on their November invoices. □

#### TRAINING APPLICATION FORM

The revised training application form that was to be included with the September 1985 NLM Technical Bulletin was inadvertently omitted. This training application and the 1986 training schedule will be included in either the November or December issue. Please note that all classes for 1985 are closed. □

#### 1986 ONLINE SERVICES UPDATES

In the fall of each year, the seven Regional Medical Libraries (RMLs) sponsor NLM Online Services Updates within their respective regions. These sessions are held in order to provide institutions and individuals with access to MEDLARS with information on changes to the MeSH vocabulary, databases and network policy anticipated or planned for the near future. The 1986 Updates planned for fall 1985 have been scheduled by local groups in the seven regions.

For additional information on dates and locations of upcoming Updates, contact your RML. □

#### REVISED MEDLARS PRICING SCHEDULE

Appendix A contains the complete, revised NLM price structure for all domestic and foreign online and regular tape users, effective October 1, 1985. In summary, the major revisions are:

- 1) The deletion of CANCEREXPRESS.
- 2) The addition of the TOXNET files.
- 3) The availability of AVLINE in MARC format.
- 4) The renumbering and addition of various footnotes. □

#### AVAILABLE PRE-EXPLOSIONS

Appendix B is a list of Available Pre-Explosions for 1986. No new pre-explosions were added for 1986. The list is printed on one side so that it can be removed from the issue and posted near the searcher's terminal.

The pre-explosions are included on pages CV-CVI of the Medical Subject Headings--Annotated Alphabetic List, 1986. Pre-exploded terms are indicated by a black dot (•) next to the heading in the 1986 MeSH and Tree Structures. When the form of a pre-explosion name varies from the corresponding MeSH term, the variant form is provided in the annotation for the heading. There was a printing error in the MeSH annotations for some of the pre-explosion names with embedded ANDs. The hash mark (#) was omitted from the annotations for these



terms. For example, the annotation for BEHAVIOR AND BEHAVIOR MECHANISMS (NON-MESH) lists the pre-explosion variant incorrectly as BEHAVIOR AND BEHAVIOR MECHANISMS (PX). The correct variant is BEHAVIOR A#D BEHAVIOR MECHANISMS (PX). The annotations for the following headings are affected: BEHAVIOR AND BEHAVIOR MECHANISMS and BEHAVIORAL AND MENTAL DISORDERS. Please make corrections to these annotations. Note that the following three unannotated pre-explosions with embedded ANDs must also be searched using A#D: EQUIPMENT A#D SUPPLIES; ORGANIZATION A#D ADMINISTRATION; and WOUNDS A#D INJURIES. □

#### DATABASE UPDATE SCHEDULE

Appendix C is the Database Update Schedule for 1986. This list includes the schedule for updating the following databases: MEDLINE/SDILINE, HEALTH, POPLINE, CANCERLIT, and TOXLINE. The list is printed on one side so that it can be removed from the issue and posted near the searcher's terminal. □

#### HOLIDAY SCHEDULE 1986

Appendix D is the NLM computer holiday schedule for 1986. The list is printed on one side so that it can be removed from the issue and posted near the searcher's terminal. □

#### MEDLINE POCKET CARD AND TOXNET PRELIMINARY SEARCH GUIDE

Enclosed with this issue of the NLM Technical Bulletin is a copy of the new MEDLINE Pocket Card. This Pocket Card is intended to provide users with a quick reference to many of the commonly used MEDLINE procedures. Users should still refer to the Online Services Reference Manual for complete information concerning MEDLINE searching; however, the Pocket Card will be handy for checking formats, abbreviations, etc., so it should be kept within easy reach of MEDLINE searchers.

Also enclosed with this issue is the TOXNET Preliminary Search Guide which should be shared with all users of the TOXNET system. □

*Please access FILE INFORM and type NEWS to see the latest news item online!*

## The Chemical and Physical Properties (CPP) Category In HSDB And TDB On TOXNET

Philip Wexler  
Specialized Information Services, NLM

This is the first in a series of articles highlighting individual categories of the HSDB and TDB files. The categories will not be presented in the same sequence as they appear in the Unit Record. Please refer to Figure 1 for the names and mnemonics of the data fields in the Chemical and Physical Properties (CPP) category.

Chemical and physical properties are characteristics of a chemical often

used to establish its identity. The methodologies employed to determine these properties range from the quantitative precision of spectral measurements to the subjective assignment of odors or tastes. Online definitions of CPP or other data fields may be displayed by typing EXPLAIN followed by the data field mnemonic (e.g., EXPLAIN OWPC).

Most of the CPP data fields contain numeric data. The BP (Boiling Point) field, for example, consists largely of a numeric value. In contrast to the numeric CPP data fields are those comprised primarily of textual or narrative data (e.g., ODOR (Odor)).

In numeric data fields, units of measurement are not standardized, but are input into the system in the form in which they appear in the data

CHEMICAL AND PHYSICAL PROPERTIES (CPP)	
COFO	Color/Form
ODOR	Odor
TAST	Taste
BP	Boiling Point
MP	Melting Point
MW	Molecular Weight
CORR	Corrosivity
CTP	Critical Temperature & Pressure
DEN	Density/Specific Gravity
DSC	Dissociation Constants
HTC	Heat of Combustion
HTV	Heat of Vaporization
OWPC	Octanol/Water Partition Coefficient
PH	PH
SOL	Solubilities
SPEC	Spectral Properties
SURF	Surface Tension
VAPD	Vapor Density
VAP	Vapor Pressure
EVAP	Relative Evaporation Rate
VISC	Viscosity
OCPP	Other Chemical/Physical Properties

Figure 1

source. For instance, temperatures may appear as either Fahrenheit (F) or Celsius (C) and neither will be converted to the other. Similarly, the number of decimal places to which a number is carried may vary for a given data field. Ranging operations are not permitted in TOXNET. One cannot, for example, search for compounds with boiling points between two values. In fact, because the format of any given CPP data field varies so widely, these fields are not particularly amenable to searching. These numeric fields would more likely be used as part of a print command, with a known chemical. Thus, having retrieved the record for ethanol, one might simply type PRT BP to see the boiling point.

Searching for actual numeric values poses a challenge. The DEN (Density/Specific Gravity) data statement for nitrobenzene, for example, reads "1.2307 @ 20 DEG C/4 DEG C [WEAST. HDBK CHEM 7 PHYS 60TH ED 1979]". The only way to directly retrieve this would be to type "1.2307 @ 20 DEG C/4 DEG C". Simply typing "1.2307" would not retrieve it. A user would not have been likely to know in advance this or the many other formats of DEN data statements. An approximate way to search for numeric values is to use the NBR command. For instance, if one were trying to identify a chemical with a known boiling point of 101.3 degrees Celsius, one could type NBR 101.3 (BP) and with some luck discover the

```

                                NUMERIC VALUES

SS 4 /C?
USER:
nbr 101.3 (bp)

#     POSTINGS     TERM
1         1     101.3 DEG C @ 760 MM HG
2         1     101.44 DEG C
3         1     101.5 DEG C
4         1     101.6 DEG C @ 760 MM HG
5         1     102 DEG C
ENTER INDEX NUMBER OR DOWN N
USER:
!
05 (4) POSTS (1)

SS 5 /C?
USER:
prt hits

HSN - 2195
NAME - N-BUTYL BROMIDE
BP - 101.3 DEG C @ 760 MM HG [MERCH INDEX 9TH ED 1976]
    
```

Figure 2

correct BP format for this particular chemical (see Figure 2). Using the NBR command to search for numeric CPP values is an acceptable approach, but should never be wholly relied upon. This method is inexact because of the highly variable formats of the data fields. Boiling Point statements may begin with such terms as about, above, approx, bp, greater than, more than, etc. Typing NBR 613 (BP), for example, would be of little help in retrieving the data statement "BP: 613 DEG (SUBLIMES)". Experimenting with the NBR command in conjunction with numeric values is a useful exercise for grasping the extent of data field format variations. Try NBR 36 (VAP), or NBR 400 (SURF), etc.

Balancing the largely numeric CPP data fields are the more descriptive/textual ones, such as COFO (Color/Form), ODOR (Odor), and TAST (Taste). These fields are especially useful for searches related to accidental releases of unknown chemicals, where observations derived from the senses may be the only data available until sampling and testing can be performed.

The data field COFO accommodates both color and form information for chemicals. The "form" portion of the COFO field refers to the physical state of the substance at room temperature. For most searches, the terms solid, liquid, or gas are sufficient to retrieve the correct records. A more thorough search for the concept of "liquid" would include the words liquids, liq, oil, and fluid. "Solution" or "soln" in the COFO field refers to solids in solution. Additional words for solid substances include crystals, crystalline, powder, flakes, needles, semisolid, etc. Shapes of crystals (e.g., tetragonal, rhombic, triclinic) are also searchable in the COFO field. Gases are fairly consistently represented by the word "gas". A

variety of adjectives (e.g., waxy, soft, cementitious, brittle, opaque, syrupy, viscous) may also appear in this field. In searching for colors, do not neglect "-ish" endings--white or whitish, green or greenish. Also, the spellings "gray" and "grey" may both appear. "Colorless" frequently occurs in the COFO field as does "transparent" and "clear".

The expressive words that describe odors are useful not only in chemical searching but as an arsenal for crossword puzzle buffs and Gothic Romance writers. Terms appearing in the ODOR field include sweetish, heavy, suffocating, agreeable, fruity, odorless, pungent, garlic, banana, pineapple, and even fecal (for high levels of 3-methylindole which, curiously enough, becomes "pleasant, sweet, and warm at very low levels"). "Characteristic" is another descriptor used for chemicals with such well known and distinctive odors that they need not be described in terms of anything else. Turpentine is an example. "Odorless" is another adjective to remember. An odor-related data field not in CPP is ODRT (Odor Threshold) in the WRNP (Warning Properties) header of the SAFE (Safety & Handling) category. Odor Threshold is the average concentration at which an odor is first detected.

Typical words expressing the concept of taste are sweet, sweetish, sharp, acrid, pleasant, bitter, sour, burning, pungent, tasteless (not an esthetic judgment). These and many more reside in the TAST fields of chemical unit records. As with ODOR, the term "characteristic" may occur. The concept of taste threshold is akin to odor threshold. Although no separate data field exists for this less widely measured parameter, some taste thresholds appear in the TAST field and may be retrieved by typing THRESHOLD (TAST).

Other fields within CPP that may contain textual information handy for searching are SOL (Solubilities), CORR (Corrosivity), and OCPP (Other Chemical/Physical Properties). The SOL field may be searched by solvent name. Thus, to search for chemicals soluble in benzene or acetone, users should enter (SOL) BENZENE OR ACETONE. Data statements in the SOL field may indicate solubility qualitatively (e.g., "SOL IN PETROLEUM ETHER") or quantitatively (e.g., "IN WATER: 2 G/100MG @ 20 DEG C"). Other important words that appear in the SOL field are miscible and insoluble. The CORR field may be searched for chemicals corrosive to a particular substance (e.g., plastics, rubber, metals, steel, iron) by typing a search statement such as STEEL (CORR).

To avoid an endless list of CPP data fields, specific fields were created for only a select number of properties. A weighty grab bag of additional properties may be found in the field OCPP (Other Chemical/Physical Properties). Examples of

data that might appear in the OCPP field are conduction, azeotrope formation, particle size, oxidation-reduction potential, heat of fusion, dipole moment, and many others. A search for the heat of fusion of uranium could be accomplished as illustrated in Figure 3. This approach results in the printing of the 2 OCPP data statements in which the heat of fusion of uranium is mentioned. Another approach would have been to retrieve the uranium record and type PRT OCPP. All 12 OCPP data statements would then have to be scanned to find the two containing heat of fusion data. Because it may contain related information, users should consider printing OCPP whenever they print other CPP data fields.

Users should also be aware that there are data fields outside the CPP category which might be considered physical properties. Among these are FLPT (Flash Point) and AUTO (Autoignition Temperature) in the Safety and Handling (SAFE) category. □

```

SEARCHING THE OCPP FIELD

SS 1 /CP
USER:
uranium (name)
SS (1) PSTG (1)

SS 2 /CP
USER:
same (ocpp) heat and fusion
62 OCCURRENCES IN 59 RECORDS
SS (2) PSTG (59)

SS 3 /CP
USER:
1 and 2
SS (3) PSTG (1)

SS 4 /CP
USER:
prt hits
...
    
```

Figure 3

Monthly Search Hint

## Think Back (Searching With Unique Identifiers)

Annette Morris  
MEDLARS Management Section, NLM

When searching for a citation using the Unique Identifier (UI), keep in mind that the citation could be in a Backfile. One clue to its location is the first two numbers of the UI which indicate the year the citation appeared in the printed Index Medicus or a Special List printed publication.

Figure 1 illustrates this with a search for 79126693 (UI).

The year the citation appears in a printed index does not always coincide with the year of publication of the article, however. If these dates do fall in different years, the first two numbers of the Unique Identifier will indicate a year later than that in which the article was actually published. Therefore, when a search for a Unique Identifier yields NO POSTINGS, consider the next earlier Backfile. This is illustrated in Figure 2 with a search for 84305497 (UI). □

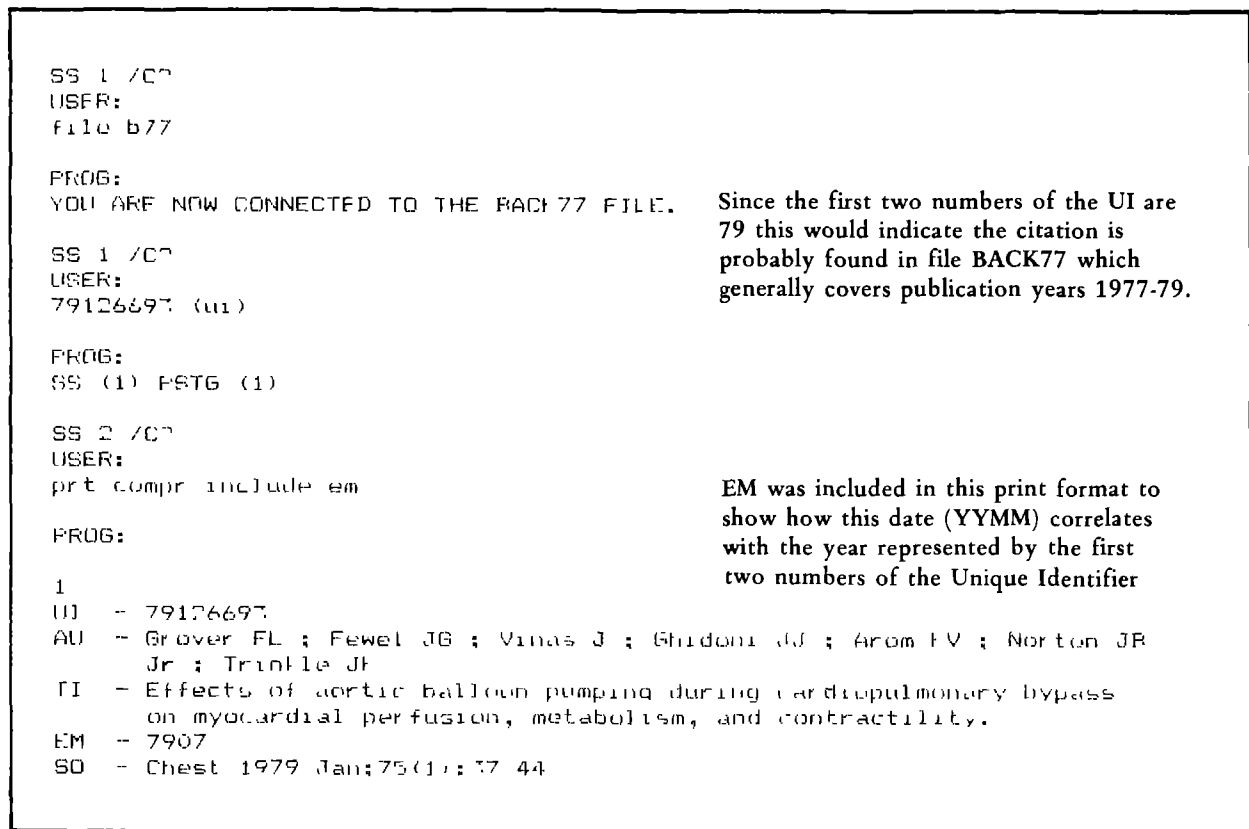


Figure 1

SS 1 /C?	
USER: 84305497 (ui)	The first two numbers indicate the year 1984, covered in the MEDLINE file.
PROG: NP (84305497 (UI))	NO POSTINGS message shows that this article is not in MEDLINE.
SS 1 /C?	
USER: file b80	Searcher should then try the next Backfile...
PROG: YOU ARE NOW CONNECTED TO THE BACK80 FILE.	
SS 1 /C?	
USER: 84305497 (ui)	
PROG: SS (1) PSTG (1)	which is where the citation is located.

Figure 2

SERIALS UPDATE

INDEXED TITLES UPDATE, OCTOBER 1985

The following titles cited in MEDLINE, HEALTH, and POPLINE have recently been selected for indexing, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last

UPDATE. More detailed information about each title may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, SEPTEMBER 1985

IDL ACTA ODONTOLOGICA LATINOAMERICANA  
 ACTA ODONTOL LATINOAM  
 IN1,1984--  
 UNKNOWN  
 BUENOS AIRES ARGENTINA  
 ON ORDER 0326-4815  
 SR0052164 JTC: ACT

IDL AVANCES EN ODONTOESTOMATOLOGIA  
 AV ODONTOESTOMATOL  
 N1,JAN-FEB 1985--  
 AVANCES EN ODONTOESTOMATOLOGIA  
 MADRID SPAIN  
 INDEXING BEGAN WITH N1,JAN-FEB 1985.  
 ON ORDER  
 SR0055150 JTC: ABF

IM JOURNAL OF CRANIOFACIAL GENETICS AND  
 DEVELOPMENTAL BIOLOGY. SUPPLEMENT  
 J CRANIOFAC GENET DEV BIOL [SUPPL]  
 1,1985--  
 ALAN R. LISS UNITED STATES  
 NEW YORK  
 INDEXING BEGAN WITH N1,1985.  
 W1 J0602TA  
 SR0054946 JTC: IAB

TITLE CHANGES, SEPTEMBER 1985

POP ADVANCES IN CONTRACEPTIVE DELIVERY SYSTEMS  
 ADV CONTRACEPT DELIV SYST  
 1,1985--  
 REPRODUCTIVE HEALTH CENTER  
 KIAWAH ISLAND SC UNITED STATES  
 CONTINUES: CONTRACEPTIVE DELIVERY SYSTEMS.  
 IN PROCESS  
 SR0054970 JTC: ACD

IM GENETIC PSYCHOLOGY MONOGRAPHS  
 GENET PSYCHOL MONOGR  
 1,JAN 1926-110 2ND HALF,NOV 1984  
 JOURNAL PRESS  
 PROVINCETOWN MA UNITED STATES  
 CONTINUED BY GENETIC, SOCIAL, AND GENERAL  
 PSYCHOLOGY MONOGRPAHS.  
 W1 GE282 0016-6677  
 G04580000 JTC: FMX

POP CONTRACEPTIVE DELIVERY SYSTEMS  
 CONTRACEPT DELIV SYST  
 IN1,JAN 1980-5N4,OCT 1984  
 MTP PRESS  
 LANCASTER ENGLAND  
 CONTINUED BY: ADVANCES IN CONTRACEPTIVE  
 DELIVERY SYSTEMS.  
 W1 C0778CX 0143-6112  
 C47465000 JTC: DSK

IM GENETIC, SOCIAL, AND GENERAL PSYCHOLOGY  
 MONOGRAPHS  
 GENET SOC GEN PSYCHOL MONOGR  
 111N1,FEB 1985--  
 HELDREF PUBLICATIONS  
 WASHINGTON UNITED STATES  
 CONTINUES: GENETIC PSYCHOLOGY MONOGRAPHS.  
 W1 GE283 8756-7547  
 SR0054943 JTC: FMZ



HLI HEALTHCARE FORUM  
 HEALTHC FORUM  
 28N5,SEP/OCT 1985-  
 ASSOCIATION OF WESTERN HOSPITALS  
 SAN FRANCISCO UNITED STATES  
 CONTINUES: HOSPITAL FORUM.  
 IN PROCESS  
 SR0055081 JTC: HDG

HLI HOSPITAL FORUM  
 HOSP FORUM  
 1,MAR 1958-28N4,JUL/AUG 1985  
 ASSOCIATION OF WESTERN HOSPITALS  
 SAN FRANCISCO UNITED STATES  
 OFFICIAL PUBLICATION OF THE HOSPITAL  
 COUNCIL OF SOUTHERN CALIFORNIA, MAR.  
 1958-MAR. 1960. CONTINUED BY: HEALTHCARE  
 FORUM.  
 W1 H0783 0018-5663  
 H18360000 JTC: GDE

TITLES NO LONGER INDEXED AS OF SEPTEMBER 1985

HLI CANADIAN PUBLIC ADMINISTRATION  
 CAN PUBLIC ADM  
 1,1958--  
 INSTITUTE OF PUBLIC ADMINISTRATION OF CANADA  
 TORONTO CANADA  
 THIS TITLE IS NOT IN THE NLM COLLECTION.  
 INDEXING CEASED WITH VOL. 26 NO. 4, WINTER  
 1983.  
 AHA  
 C04807000 JTC: CK7

IM PROGRESS IN CLINICAL IMMUNOLOGY  
 PROG CLIN IMMUNOL  
 1,1972-4,1980  
 GRUNE AND STRATTON  
 NEW YORK UNITED STATES  
 W1 PR668G 0090-3310  
 P47440000 JTC: Q0Q

IM CURRENT TOPICS IN HEMATOLOGY  
 CURR TOP HEMATOL  
 1,1978-5,1985  
 LISS  
 NEW YORK UNITED STATES  
 INDEXING BEGAN WITH V.3,1980.  
 W1 CU82HN 0190-1486  
 C57810000 JTC: DX4

IM PROGRESS IN HEMOSTASIS AND THROMBOSIS  
 PROG HEMOST THROMB  
 1,1972-7,1984  
 GRUNE AND STRATTON  
 NEW YORK UNITED STATES  
 W1 PR67F 0362-6350  
 P47880000 JTC: Q1B

IM PATHOBIOLOGY ANNUAL  
 PATHOBIOLOG ANNU  
 1,1971-12,1982  
 APPLETON CENTURY CROFTS  
 NEW YORK UNITED STATES  
 W1 PA896 0362-2025  
 P04840000 JTC: ORW

INI RECRUIT AND RETAIN  
 RECRUIT RETAIN  
 IN1,JUL 1981-198?  
 HEALTH MANPOWER DATA CORPORATION  
 NASHVILLE TN UNITED STATES  
 THIS TITLE IS NOT IN THE NLM COLLECTION  
 ANA 0278-2766  
 R07424000 JTC: RBF

IM PROGRESS IN CLINICAL CANCER  
 PROG CLIN CANCER  
 1,1965-8,1982  
 GRUNE AND STRATTON  
 NEW YORK UNITED STATES  
 W1 PR668F 0079-6166  
 P47420000 JTC: Q0R

INI SENIOR NURSE  
 SR NURSE  
 IN1,APR 1984-198?  
 INTERNATIONAL THOMSON PUBLISHING  
 LONDON ENGLAND  
 CONTINUES: NURSING FOCUS.  
 INDEXING BEGAN WITH VIN1,APR 4 1984.  
 W1 SE497 0265-9999  
 S19450000 JTC: SRN

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES, SEPTEMBER 1985

The following substantive serial titles were received or ordered by the Serial Records Section. Titles indexed for MEDLINE, HEALTH, and POPLINE are listed in the "INDEXED TITLES UPDATE" section. Please include the NLM Call number on interlibrary loan requests. Of course, NLM cannot fill

loans for titles not yet received by the Library. The list is offered as an early announcement and will include price information if known. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

ABMS COMPENDIUM OF CERTIFIED MEDICAL SPECIALISTS  
1986--  
AMERICAN BOARD OF MEDICAL SPECIALTIES  
EVANSTON IL UNITED STATES  
ON ORDER  
SR0055139 \$180.00  
AMERICAN BOARD OF MEDICAL SPECIALTIES,  
ONE AMERICAN PLAZA SUITE 805, EVANSTON  
IL 60201

CHILDS DOCTOR  
1N1,1984?--  
CHILDRENS MEMORIAL HOSPITAL  
CHICAGO UNITED STATES  
ON ORDER  
SR0055060  
CHILDRENS MEMORIAL HOSPITAL, 2300  
CHILDRENS PLAZA, CHICAGO IL 60614

ADVANCES IN HUMAN NUTRITION  
2,1985--  
CHEM-ORBITAL  
PARK FOREST IL UNITED STATES  
CONTINUES: ADVANCES IN MODERN HUMAN  
NUTRITION.  
IN PROCESS  
SR0055155  
CHEM-ORBITAL, P.O. BOX 134, PARK FOREST  
IL 60466

CLINICS IN GERIATRIC MEDICINE  
1N1,FEB 1985--  
W B SAUNDERS  
PHILADELPHIA UNITED STATES  
ON ORDER  
SR0055087 \$40.00

ADVANCES IN IMMUNITY AND CANCER THERAPY  
1,1985--  
SPRINGER VERLAG  
NEW YORK UNITED STATES  
IN PROCESS  
SR0055007 \$42.00

CURRENT THERAPY IN ALLERGY, IMMUNOLOGY AND RHEUMATOLOGY  
1985/86--  
B.C.DECKER  
TORONTO CANADA  
CONTINUES: CURRENT THERAPY IN ALLERGY AND IMMUNOLOGY, WHICH IS CATALOGED SEPARATELY AT NLM.  
IN PROCESS  
SR0054928

ARCHIVES OF BIOLOGY  
96N1,1985--  
VAILLANT-CARMANNE  
LIEGE BELGIUM  
CONTINUES: ARCHIVES DE BIOLOGIE.  
IN PROCESS  
SR0055095  
VAILLANT-CARMANNE, 4 RUE FOND  
SAINT-SERVAIS, B-4000 LIEGE, BELGIUM

CURRENT THERAPY IN NEUROLOGICAL SURGERY  
1985/86--  
B.C. DECKER  
TORONTO CANADA  
IN PROCESS  
SR0054991

BIOLOGICAL MEMBRANES  
1,1985--  
STBS  
LONDON ENGLAND  
ON ORDER  
SR0055021 \$960.00

DRUG-INDUCED DISORDERS  
1,1985--  
ELSEVIER SCIENCE PUBLISHERS  
AMSTERDAM NETHERLANDS  
IN PROCESS  
SR0055094

FETAL THERAPY  
1,1986--  
KARGER  
BASEL SWITZERLAND  
ON ORDER  
SR0054933 \$130.00

FORTSCHRITTE DER OPERATIVEN DERMATOLOGIE  
1,1984--  
SPRINGER VERLAG  
BERLIN GERMANY, WEST  
IN PROCESS  
SR0055113

JOURNAL OF BIOLUMINESCENCE AND  
CHEMILUMINESCENCE  
1,1986--  
JOHN WILEY  
LONDON ENGLAND  
ON ORDER  
SR0055008 \$105.00

GASTROENTEROLOGY AND ENDOSCOPY NEWS  
SEP 1985--  
MCMAHON  
GEORGETOWN CT UNITED STATES  
CONTINUES: AMERICAN JOURNAL OF PROCTOLOGY,  
GASTROENTEROLOGY, AND COLON AND RECTAL  
SURGERY.  
IN PROCESS  
SR0055080 \$28.00  
AMERICAN JOURNAL OF PROCTOLOGY,  
GASTROENTEROLOGY COLON AND RECTAL  
SURGERY, 121 S. GERTRUDE AVE, PARAMUS NJ  
07652

JOURNAL OF COLLEGE STUDENT PSYCHOTHERAPY  
1,SEP 1986--  
HAWORTH PRESS  
NEW YORK UNITED STATES  
ON ORDER  
SR0055010 \$42.00

GERIATRICS PRERGERIATRICS REHABILITATION.  
CURRENT LIT. REVIEW  
1N1,1985--  
B. FISCHER AND DR. S. LEHRL  
NORDRACH GERMANY, WEST  
IN PROCESS  
SR0055045  
B. FISCHER AND DR. S. LEHRL, D-7611  
NORDRACH, GERMANY WEST

JOURNAL OF CRITICAL CARE  
1,MAR 1986--  
GRUNE AND STRATTON  
ORLANDO FL UNITED STATES  
ON ORDER  
SR0055090 \$69.00

HUMAN PSYCHOPHARMACOLOGY  
1,1986--  
JOHN WILEY  
LONDON ENGLAND  
ON ORDER  
SR0055006 \$47.50

JOURNAL OF FAMILY VIOLENCE  
1,1986--  
PLENUM PRESS  
NEW YORK UNITED STATES  
ON ORDER  
SR0054940

INFORMATICS IN PATHOLOGY  
1,1986--  
GRUNE AND STRATTON  
ORLANDO FL UNITED STATES  
ON ORDER  
SR0055088 \$69.00

JOURNAL OF MEMORY AND LANGUAGE  
24N1,FEB 1985--  
ACADEMIC PRESS  
NEW YORK UNITED STATES  
CONTINUES: JOURNAL OF VERBAL LEARNING AND  
VERBAL BEHAVIOR.  
ON ORDER  
SR0055130 \$105.00

INTERNATIONAL JOURNAL OF GERIATRIC  
PSYCHIATRY  
1,1986--  
JOHN WILEY  
LONDON ENGLAND  
ON ORDER  
SR0055005 \$47.50

JOURNAL OF PEDIATRIC NURSING  
1,FEB 1986--  
GRUNE AND STRATTON  
ORLANDO FL UNITED STATES  
ON ORDER  
SR0055098 \$39.00

INTERNATIONAL JOURNAL OF IMMUNOTHERAPY  
1N1,1985--  
BIOSCIENCE EDIPRINT  
GENEVA SWITZERLAND  
ON ORDER  
SR0055161 \$120.00  
BIOSCIENCE EDIPRINT, 8 RUE WINKELRIED,  
1211 GENEVA 1, SWITZERLAND

JOURNAL OF PEDIATRIC AND PERINATAL NUTRITION  
1,SEP 1986--  
HAWORTH PRESS  
NEW YORK UNITED STATES  
ON ORDER  
SR0055009 \$42.00

JOURNAL OF PERSONALITY DISORDERS  
1N1,JAN 1986--  
GUILFORD PRESS  
NEW YORK UNITED STATES  
ON ORDER  
SR0054941 \$50.00

JOURNAL OF POST-ANESTHESIA NURSING  
 1,1986--  
 GRUNE AND STRATTON  
 ORLANDO FL UNITED STATES  
 ON ORDER  
 SR0055089 \$39.00

PEDIATRIC OPHTHALMOLOGY  
 1,1986--  
 RAVEN PRESS  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0055086 \$60.00

LITHIUM THERAPY MONOGRAPHS  
 1,1986--  
 KARGER  
 BASEL SWITZERLAND  
 ON ORDER  
 SR0054934 \$42.00

PRACTICAL REVIEWS IN PSYCHIATRY  
 N1,1984--  
 MEDICAL NEWS GROUP  
 LONDON ENGLAND  
 IN PROCESS  
 SR0054985  
 MEDICAL NEWS GROUP, TOWER HOUSE,  
 SOUTHAMPTON STREET, LONDON WC2E  
 7LS, ENGLAND

MODELS IN DERMATOLOGY  
 1,1986--  
 KARGER  
 BASEL SWITZERLAND  
 ON ORDER  
 SR0054935 \$105.00

PUBLIC HEALTH POLICY SERIES  
 1,1985--  
 AMERICAN PUBLIC HEALTH ASSOCIATION  
 WASHINGTON UNITED STATES  
 CATALOGING IN PUBLICATION.  
 ON ORDER - CIP  
 SR0055000

NEUROMETHODS  
 1,1985--  
 HUMANA PRESS  
 CLIFTON NJ UNITED STATES  
 CATALOGING IN PUBLICATION.  
 ON ORDER - CIP  
 SR0055138

SCHMERZDIAGNOSTIK UND THERAPIE  
 1,1985--  
 VERLAG DR. DIETER WINKLER  
 BOCHUM GERMANY, WEST  
 IN PROCESS  
 SR0055070

NEW CARDIOVASCULAR DRUGS  
 1985--  
 RAVEN PRESS  
 NEW YORK UNITED STATES  
 CONTINUES: NEW DRUGS ANNUAL, CARDIOVASCULAR  
 DRUGS.  
 IN PROCESS  
 SR0055078  
 RAVEN PRESS, 1140 AVE. OF THE AMERICAS,  
 NEW YORK NY 10036 (212-575-0335)

SCIENCE SERIALS REVIEW-BIOMEDICINE  
 1,1986--  
 JOHN WILEY  
 LONDON ENGLAND  
 ON ORDER  
 SR0055002 \$95.00

NIAAA TREATMENT HANDBOOK SERIES  
 1,1985--  
 NATIONAL INSTITUTE ON ALCOHOL ABUSE AND  
 ALCOHOLISM  
 ROCKVILLE MD UNITED STATES  
 IN PROCESS  
 SR0055038  
 NATIONAL INSTITUTE ON ALCOHOL ABUSE AND  
 ALCOHOLISM, 5600 FISHERS LANE, ROCKVILLE  
 MD 20857

SEMINARS IN OPHTHALMOLOGY  
 1, MAR 1986--  
 GRUNE AND STRATTON  
 ORLANDO UNITED STATES  
 ON ORDER  
 SR0055102 \$75.00

OSTEOPATHIC MEDICAL NEWS  
 IN1,1984--  
 COMPENDIUM PUBLISHING  
 NEWTOWN PA UNITED STATES  
 ON ORDER  
 SR0055023 \$24.00  
 OSTEOPATHIC MEDICAL NEWS, COMPENDIUM  
 PUBLISHING CO., 9 PHEASANT RUN RD.,  
 NEWTON PA 18940

SEMINARS IN VETERINARY MEDICINE AND SURGERY  
 SMALL ANIMAL  
 1, FEB 1986--  
 GRUNE AND STRATTON  
 ORLANDO FL UNITED STATES  
 ON ORDER  
 SR0055101 \$55.00

SOCIAL BEHAVIOR  
1,1986--  
JOHN WILEY  
LONDON  
ENGLAND  
AN INTERNATIONAL JOURNAL OF APPLIED SOCIAL  
PSYCHOLOGY.  
ON ORDER  
SR0055011

\$47.50

YEAR IN IMMUNOLOGY  
1985/86--  
KARGER  
BASEL  
ON ORDER  
SR0054936

SWITZERLAND

NLM DOMESTIC AND FOREIGN CHARGES AND MINIMUMS FOR ONLINE SERVICES  
AND LEASING TAPE COPIES OF DATABASES  
EFFECTIVE OCTOBER 1, 1985

<u>Database</u>	<u>Online Charges</u>		<u>Leased Tape Charges</u>	
	<u>Domestic 1/</u>	<u>Foreign 2/</u>	<u>Domestic 3/</u>	<u>Foreign 4/</u>
AVLINE	Online Algorithm	No minimum; Usage charges only	<u>5/Base file:</u> (up to current year) \$1,000  <u>Current year:</u> \$1,000/yr; updated monthly  No usage charges	<u>5/Base file:</u> (up to current year) \$1,250  <u>Current year:</u> \$1,250/yr; updated monthly  No usage charges
BIOETHICS	Online Algorithm	\$1,000/yr minimum	\$1,000/yr minimum	\$1,000/yr minimum
CANCERLIT	Online Algorithm	\$3,000/yr minimum	\$3,000/yr minimum	\$3,000/yr minimum
CANCERPROJ	Online Algorithm	\$1,000/yr minimum	\$1,000/yr minimum	\$1,000/yr minimum
CATLINE	Online Algorithm	No minimum; usage charges only	<u>5/Base file:</u> (1965 up to the current year) \$3,000  <u>Current year:</u> \$4,000/yr; updated weekly  <u>or</u> <u>Current year:</u> \$2,000/yr; updated monthly  <u>Retrospective</u> <u>file:</u> (Pre-1965) \$3,000  No usage charges	<u>5/Base file:</u> (1965 up to the current year) \$3,750  <u>Current year:</u> \$5,000/yr; updated weekly  <u>or</u> <u>Current year:</u> \$2,500/yr; updated monthly  <u>Retrospective</u> <u>file:</u> (Pre-1965) \$3,750  No usage charges

revised October 1985

NLM DOMESTIC AND FOREIGN CHARGES EFFECTIVE OCTOBER 1, 1985

<u>Database</u>	<u>Online Charges</u>		<u>Leased Tape Charges</u>	
	<u>Domestic 1/</u>	<u>Foreign 2/</u>	<u>Domestic 3/</u>	<u>Foreign 4/</u>
CHEMLINE	6/Online Algorithm	7/\$1,000/yr minimum	7/\$1,000/yr minimum	7/\$1,000/yr minimum
CLINPROT	Online Algorithm	\$1,000/yr minimum	\$1,000/yr minimum	\$1,000/yr minimum
DIRLINE	Online Algorithm	\$1,000/yr minimum	\$1,000/yr minimum	\$1,000/yr minimum
HAZARDOUS SUBSTANCES DATABANK (HSDB)	8/Online Algorithm	9/\$2,500/yr minimum	Not yet available	Not yet available
HEALTH PLANNING	Online Algorithm	\$3,000/yr minimum	\$3,000/yr minimum	\$3,000/yr minimum
HISTLINE	Online Algorithm	\$1,000/yr minimum	\$1,000/yr minimum	\$1,000/yr minimum
INFORM	Online algorithm excluding the charge for citations and characters; no offline processing	No minimum or flat rate; online algorithm excluding the charge for citations and characters; no offline processing	Not available	Not available
INTROMED	Online algorithm excluding the charge for citations and characters; no offline processing	No minimum or flat rate; online algorithm excluding the charge for citations and characters; no offline processing	\$1,000/yr; No usage charges	\$1,250/yr; No usage charges

NLM DOMESTIC AND FOREIGN CHARGES EFFECTIVE OCTOBER 1, 1985

<u>Database</u>	<u>Online Charges</u>		<u>Leased Tape Charges</u>	
	<u>Domestic 1/</u>	<u>Foreign 2/</u>	<u>Domestic 3/</u>	<u>Foreign 4/</u>
INTROTOX	8/Online algorithm for connect time only; no offline processing	10/No minimum or flat rate; online algorithm for connect time only; no offline processing	Not yet available	Not yet available
MEDLEARN	\$22/hr prime time; \$15/hr non-prime time; no offline processing	11/No minimum; \$25/hr prime time; \$18/hr non-prime time; no offline processing	Not available	Not available
MEDLINE & BACKFILES	Online Algorithm	\$15,000/yr minimum	Base file: (1966 up to the current year) \$10,000 /yr minimum  Current year: \$5,000/yr minimum	Base file: (1966 up to the current year) \$10,000 /yr minimum  Current year: \$5,000/yr minimum
MeSH VOCABULARY	Online Algorithm	No minimum; Usage charges only	\$1,000/yr; Free with MEDLINE; No usage charges	\$1,250/yr; Free with MEDLINE; No usage charges
NAME AUTHORITY	Online Algorithm	No minimum; Usage charges only	\$1,000/yr; No usage charges	\$1,250/yr; No usage charges
PDQ	\$22/hr prime time; \$15/hr non-prime time; no offline processing	11/\$1,000/yr minimum; \$25/hr prime time; \$18/hr non-prime time; no offline processing	Not available	Not available
POPLINE	Online Algorithm	\$2,000/yr minimum	\$2,000/yr minimum	\$2,000/yr minimum



NLM DOMESTIC AND FOREIGN CHARGES EFFECTIVE OCTOBER 1, 1985

<u>Database</u>	<u>Online Charges</u>		<u>Leased Tape Charges</u>	
	<u>Domestic 1/</u>	<u>Foreign 2/</u>	<u>Domestic 3/</u>	<u>Foreign 4/</u>
RTECS	12/Online Algorithm	13/\$1,000/yr minimum	14/\$1,000/yr minimum	15/\$1,000/yr minimum
SDILINE	Online Algorithm	No minimum; Usage charges only	\$5,000/yr minimum (if leased separately from MEDLINE)	\$5,000/yr minimum (if leased separately from MEDLINE)
SERLINE	Online Algorithm	No minimum; Usage charges only	\$1,000/yr; No usage charges	\$1,250/yr; No usage charges
TOXICOLOGY DATABANK (TDB)	8/Online Algorithm	9/\$2,500/yr minimum	Not yet available	Not yet available
TOXLINE	16/Online Algorithm	7/\$2,500/yr minimum	7/Current file: (1981 through the current year) \$2,500/ yr minimum	7/Current file: (1981 through the current year) \$2,500/ yr minimum
			<u>Backfiles:</u> (1965-75 and 1976- 80) \$2,500/yr minimum for each back- file	<u>Backfiles:</u> (1965-75 and 1976- 80) \$2,500/yr minimum for each back- file

NOTES: In addition to the above rates the following charges apply to each Domestic and Foreign Online Center: \$1 per Offsearch per file: and \$1 per Automatic SDI. Automatic SDI searches on the TOXLINE database are \$3.00 for domestic users (\$1.00 plus \$2.00 royalty). The \$15 monthly per ID code was discontinued on April 1, 1985.

- 
- 1/ ELHILL Online charges are calculated for domestic users by using an algorithm which includes connect hour charges and charges for search statements, citations, interactions (i.e., carriage returns), computer resources (i.e., disk accesses), and characters transmitted to the user's terminal. Unless otherwise noted, the connect hour charge portion of the algorithm is \$7.25/hour prime time and \$4.50/hour non-prime time, and the offline print charge is \$0.18 per page. Details of the entire algorithm follow these footnotes.
- 2/ ELHILL online charges for foreign users are calculated using an algorithm which includes connect hour charges and charges for search state-ments, citations, interactions (i.e., carriage returns), computer resources (i.e., disk accesses), and characters transmitted to the user's terminal. Each database, except the technical databases (AVLINE, CATLINE, NAME AUTHORITY, and SERLINE), the MeSH VOCABULARY file, MEDLEARN and the INFORM and INTROMED databases, has a minimum against which usage is charged. Unless otherwise noted, the connect hour charge portion of the algorithm is \$10.25/hour prime time and \$7.50/hour non-prime time, and the offline print charge is \$0.28 per page. Usage over the minimum will be calculated at the rate of the file being accessed. The dollar equivalent of usage over the minimum on one file will be applied to the minimum for the other file(s). Usage on a technical database, the MESH VOCABULARY file, MEDLEARN, INFORM and INTROMED may not be applied to a minimum on another database. Details of the entire algorithm follow these footnotes.
- 3/ ELHILL tape charges for domestic users consist of an annual minimum charge for each database except the technical databases (AVLINE, CATLINE, NAME AUTHORITY, and SERLINE), the MeSH VOCABULARY file, MEDLEARN, and INTROMED. Unless otherwise noted, usage charges of \$4.00/connect hour and \$0.01/offline citation are applied to the annual minimum. (The use charge is \$3.00/connect hour between 6:00 p.m. and 6:00 a.m. local time Monday through Friday, and all day Saturday and Sunday. This time period is referred to as tape non-prime time) Usage over the minimum will be charged the rate of the file being accessed. For institutions or organizations leasing two or more files with a minimum plus usage, the dollar equivalent of usage over the minimum for one file may be applied to the minimum for the other files(s).

An annual flat fee, with no usage charges, will be charged for each of the technical databases (AVLINE, CATLINE, NAME AUTHORITY, and SERLINE), the MeSH VOCABULARY File, and INTROMED. Usage on other leased databases may not be applied to these annual flat-rate fees.

Domestic centers providing service to foreign users will be charged at the foreign rate for this portion of their service.

Extra charges are levied for class-maintained files or special formats. Prices for files and formats currently available are:

SDILINE GENER Format	\$1,000/year
CLASS-MAINTAINED MEDLINE Backfiles	\$3,000/year

Charges for physical tapes and shipping are included in the minimum charges for each database.

- 4/ ELHILL tape charges for foreign users and the portion of foreign use provided by domestic centers consist of an annual minimum charge for each database except the technical databases (AVLINE, CATLINE, NAME AUTHORITY, and SERLINE), the MeSH VOCABULARY file, and INTROMED. Unless otherwise noted, usage charges of \$7.00/connect hour and \$0.03/offline citation are applied to the annual minimum. (The use charge is \$6.00/connect hour between 6:00 p.m. and 6:00 a.m. local time Monday through Friday, and all day Saturday and Sunday. This time is referred to as tape non-prime time.) Usage over the minimum will be charged the rate of the file being accessed. For institutions or organizations leasing two or more files with a minimum plus usage, the dollar equivalent of usage over the minimum for one file may be applied to the minimum for the other file(s).

An annual flat fee, with no usage charges, will be charged for each of the technical databases (AVLINE, CATLINE, NAME AUTHORITY, and SERLINE), the MeSH VOCABULARY File, and INTROMED. Usage on other leased databases may not be applied to these annual flat-rate fees.

Extra charges are levied for class-maintained files or special formats. Prices for files and formats currently available are:

SDILINE GENER Format	\$1,000/year
CLASS-MAINTAINED MEDLINE Backfiles	\$3,000/year

Charges for physical tapes and shipping are included in the minimum charges for each database.

- 5/ Available in ELHILL or MARC version except for weekly updates of the current-year CATLINE file which is available only in MARC.
- 6/ CHEMLINE royalty charges of \$0.08 per citation and \$31.00 per hour of connect time are added to the algorithm. Offline page charges of \$0.57 per page include \$0.39 per page royalty. Royalty charges are subject to change without advance notice.
- 7/ CHEMLINE and TOXLINE royalties are negotiated with and paid to file content providers such as CAS, BIOSIS and ASHP, and not to NLM.
- 8/ TOXNET (HSDB, TDB & INTROTOX) online charges are calculated for domestic users by using an algorithm which includes connect hour charges and charges for search statements, interactions (i.e., carriage returns) and characters created for transmission to the user's terminal (INTROTOX is charged only the connect hour portion). Unless otherwise noted, the connect hour portion of the algorithm is

\$60.25/hour prime time and \$56.50/hour non-prime time, and the offline print charge is \$0.60 per page.

- 9/ TOXNET (includes HSDB, TDB, & INTROTOX) online charges are calculated for foreign users by using an algorithm which includes connect hour charges and charges for search statements, interactions (i.e., carriage returns), and characters created for transmission to the user's terminal (INTROTOX is charged only the connect hour portion). Since much of the data in TOXICOLOGY DATABANK is repeated in the more comprehensive HAZARDOUS SUBSTANCES DATABANK, only one minimum of \$2,500 will be charged in Fiscal Year 1986 for both files. As the files become less duplicative, a minimum for each file will be introduced. Unless otherwise noted, the connect hour portion of the algorithm is \$63.25/hour prime time and \$59.50/hour non-prime time, and the offline print charge is \$0.70 per page. Usage over the minimum charges will be calculated at the rate of the file being accessed. The dollar equivalent of usage over the minimum on each of these files may be applied to the minimum for other MEDLARS databases on either ELHILL or TOXNET.
- 10/ INTROTOX may only be requested if either HAZARDOUS SUBSTANCES DATABANK or TOXICOLOGY DATABANK has been requested. It may not be requested by itself. Usage on INTROTOX may not be applied to a minimum on any other MEDLARS database. Online charges for foreign users are \$63.25/hour prime time and \$59.50/hour non-prime time.
- 11/ Usage is charged separately, i.e., usage on this file may not be applied to the aggregate minimum charges.
- 12/ Online algorithm for RTECS for domestic users includes connect charges of \$39.00 per hour non-prime time and \$42.75 per hour prime time; offline prints are \$0.41 per page.
- 13/ Online algorithm for RTECS for foreign users includes connect charges of \$42.00 per hour non-prime time and \$45.75 per hour prime time; offline prints are \$0.51 per page.
- 14/ For domestic RTECS tape users, usage charges of \$22/connect hour and \$0.17/offline citation are applied to the annual minimum. (The use charge is \$21/connect hour during tape non-prime time--see Footnote 3.)
- 15/ For foreign RTECS tape users, usage charges of \$25/connect hour and \$0.19/offline citation are applied to the annual minimum. (The use charge is \$24/connect hour during tape non-prime time -- see Footnote 4.)
- 16/ TOXLINE royalty charges of \$0.09 per citation and \$39.00 per hour of connect time are added to the online algorithm. Offline page charges of \$0.53 per page include \$0.35 per page royalty. Royalty charges are subject to change without advance notice.

\*\* CHARGES EFFECTIVE OCTOBER 1, 1985 \*\*

NLM ONLINE PRICING ALGORITHM CHARGES TO DOMESTIC USERS<sup>1</sup>

File	Connect Charge (Per Hour)		Search Statement Charge	Online Citation Charge	Interaction Charge (Carriage Returns)	Computer Resources Disk Accesses (Per 100)		Online Character Charges (Per 1,000)		Average Searcher Charges* (Per Hour)	
	Non-Prime	Prime				Non-Prime	Prime	Non-Prime	Prime	Non-Prime	Prime
<u>ELHILL System</u>											
MEDLINE & Backfiles	\$ 4.50	\$ 7.25	\$.01	\$.01	\$.01	\$.06	\$.12	\$.08	\$.12	\$15.00	\$22.00
TOXLINE & Backfiles	43.50**	46.25	.01	.10**	.01	.06	.12	.08	.12	69.25	72.00
CHEMLINE	35.50***	38.25***	.01	.09***	.01	.06	.12	.08	.12	49.25	52.00
RTECS	39.00	42.75	.01	.01	.01	.06	.12	.08	.12	48.00	55.00
All Other	4.50	7.25	.01	.01	.01	.06	.12	.08	.12	15.00	22.00
**MEDLEARN**	15.00	22.00	-	-	-	-	-	-	-	15.00	22.00
PDQ	15.00	22.00	-	-	-	-	-	-	-	15.00	22.00
<u>TOXNET System</u>											
HSDB	56.50	60.25	.01	-	.01	-	-	.08	.12	68.00	75.00
TDB	56.50	60.25	.01	-	.01	-	-	.08	.12	68.00	75.00
INTROTOX	56.50	60.25	-	-	-	-	-	-	-	56.50	60.25

\*Average searcher charges per hour may differ according to computer resources used and citations and characters printed online.

\*\*Includes royalty charges of \$39.00 per connect charge and \$0.09 per citation charge for TOXLINE and its Backfiles (TOX76 and TOX65).

\*\*\*Includes royalty charges of \$31.00 per connect charge and \$0.08 per citation charge for CHEMLINE.

NLM OFFLINE CHARGES TO DOMESTIC USERS<sup>1</sup>

	<u>Pages</u>	<u>Per Page</u>
MEDLINE and other databases		\$0.18
TOXLINE, TOXBACK76, TOXBACK65		0.53 (Includes \$0.35 royalty charge per page)
CHEMLINE		0.57 (Includes \$0.39 royalty charge per page)
TOXNET (TDB or HSDB)		0.60
RTECS		0.41

<u>Offsearches</u>	<u>Per File</u>
All databases	\$1.00 (Plus page charges)

<u>Automatic SDI Searches</u>	<u>Per Search Each Month</u>
SDILINE, HEALTH, CATLINE, CANCERLIT, AVLINE, POPLINE	\$1.00 (Plus page charges)
TOXLINE	3.00 (Plus page charges: includes \$2.00 royalty charge)

Federal, state, and/or local taxes are not included. Terminals and telephone/line charges are the responsibility of the institution or individual accessing MEDLARS. Current prime time is 10.00 am to 5:00 pm Eastern Time, Monday through Friday. All other time is non-prime time.

<sup>1</sup>/ Notes on NLM Charges to Foreign Users: In general, foreign users under the online pricing algorithm are charged \$3.00 extra on the connect charge portion and \$0.10 extra per offline page, and are not charged amounts designated as royalties. These royalties are negotiated separately with and paid directly to the database producers and not to NLM by the coordinating online foreign MEDLARS center.



PRE-EXPLOSIONS 1986

The presently available pre-explosions are listed below.

<u>Pre-exploded MeSH Heading</u>	<u>Tree Number where Subsumed Terms may be Found</u>
ABNORMALITIES	C16.131
ANTIBIOTICS	D20.85
ANTIBODIES	D24.611.125
BACTERIA	B3
BACTERIAL INFECTIONS	C1.252
BEHAVIOR	F1.145
BEHAVIOR AND BEHAVIOR MECHANISMS	F1
BEHAVIORAL AND MENTAL DISORDERS	F3
BIOCHEM PHENOM METAB	G6
BLOOD PROTEINS	D12.776.124
BRAIN	A8.186.211
CARBOHYDRATES	D9.203
CARDIOVASCULAR AGENTS	D18
CARDIOVASCULAR DISEASES	C14
CARDIOVASCULAR SYSTEM	A7
CELLS	A11
CENTRAL NERVOUS SYSTEM	A8.186
CENTRAL NERVOUS SYSTEM DISEASES	C10.228
CHEMISTRY, ANALYTICAL	E5.196
CIRCULATORY, RESPIRATORY PHYSIOLOGY	G9
DENTISTRY	E6
DIAGNOSIS, LABORATORY	E1.223
DIGESTIVE SYSTEM DISEASES	C6
ENZYMES	D8.586
EQUIPMENT AND SUPPLIES	E7
GASTROINTESTINAL DISEASES	C6.405
GENETICS	G5
HEALTH FACILITIES	N2.278
HEALTH SERVICES	N2.421
HEART DISEASES	C14.280
HORMONES	D6.472
IMMUNITY	G4.610
IMMUNOLOGIC FACTORS	D24.611
LIPIDS	D10.516
MAMMALS	B2.649
MENTAL DISORDERS	F3.709
METABOLIC DISEASES	C18.452
METALS	D1.552
MISCELLANEOUS TECHNIQS	E5
MOUTH AND TOOTH DISEASES	C7
MUSCULOSKELETAL DISEASES	C5
NEOPLASMS	C4
NERVOUS SYSTEM	A8
NERVOUS SYSTEM DISEASES	C10
NEUROLOGIC MANIFESTATIONS	C10.597
ORGANIZATION AND ADMINISTRATION	N4.452
PHYSIOLOGY, GENERAL	G7
PROTEINS	D12.776
PSYCHOLOGIC PROCESSES PRINCIPLES	F2
REPRODUCTION, UROGENITAL PHYSIOLOGY	G8
RESPIRATORY TRACT DISEASES	C8
RODENTIA	B2.649.865
SIGNS AND SYMPTOMS	C23.888
SKIN DISEASES	C17
STEROIDS	D4.808
SURGERY, OPERATIVE	E4
UNITED STATES MC (as a MeSH heading)	Z1.107.567.875
UNITED STATES (as a place of publication)	Z1.107.567.875
VASCULAR DISEASES	C14.907
VERTEBRATE VIRUSES	B4.909
VERTEBRATES	B2
VIRUS DISEASES	C2
VIRUSES	B4
WOUNDS AND INJURIES	C21.866





1986  
HOLIDAY SCHEDULE

Listed below is the holiday schedule for calendar year 1986. Unlike previous years, the computer is scheduled to be UP on every holiday listed below. However, on some holidays, computer hours are non-guaranteed. A computer status of non-guaranteed means that if the computer goes down, it is unlikely to be restarted until after Midnight of the holiday. Specific details on guaranteed versus non-guaranteed hours of operation for each holiday will be published prior to that holiday in the Technical Bulletin and will appear as an online NEWS item the week before the holiday. Non-prime rates will be in effect on non-guaranteed holidays and on guaranteed holidays when the MEDLARS Management Service Desk is not staffed.

<u>HOLIDAY</u>	<u>DATE</u>	<u>SYSTEM STATUS</u>
Christmas Day (1985)	Wed, Dec 25	Non-guaranteed*
New Year's Day	Wed, Jan 1	Non-guaranteed*
Martin Luther King's Birthday	Wed, Jan 15	Guaranteed
Martin Luther King's Birthday (Observed)	Mon, Jan 20	Guaranteed*
Washington's Birthday (Observed)	Mon, Feb 17	Guaranteed*
Washington's Birthday	Sat, Feb 22	Non-guaranteed*
Memorial Day (Observed)	Mon, May 26	Guaranteed*
Memorial Day	Fri, May 30	Guaranteed
Independence Day	Fri, Jul 4	Non-guaranteed*
Labor Day	Mon, Sep 1	Non-guaranteed*
Columbus Day	Sun, Oct 12	Non-guaranteed*
Columbus Day (Observed)	Mon, Oct 13	Guaranteed*
Veterans Day	Tue, Nov 11	Guaranteed*
Thanksgiving	Thu, Nov 27	Non-guaranteed*
Christmas Day (1986)	Thu, Dec 25	Non-guaranteed*

\*Non-prime rates are in effect all day.

Notice of changes to this schedule and/or temporary changes in hours of operation will also appear in the online NEWS.



# The NLM Technical Bulletin

ISSN 0146-3055

NOVEMBER 1985

No. 199

## In This Issue:

NLM Online Training Program	1
MEDLARS Login and Logoff Procedures	6
1986 CANCERLIT Year-End Changes	14
The Pharmacology (PHCY) Category In HSDB and TDB on TOXNET	16
Error Messages In TOXNET	25
<i>Monthly Search Hint</i> Troubleshooting Transmission Problems	27

## Attachments:

Training Application Form  
Letter Announcing CHEMLINE/  
TOXLINE Price Change

## Regular Features:

Databases	2
Technical Notes	3
Serials Update	29

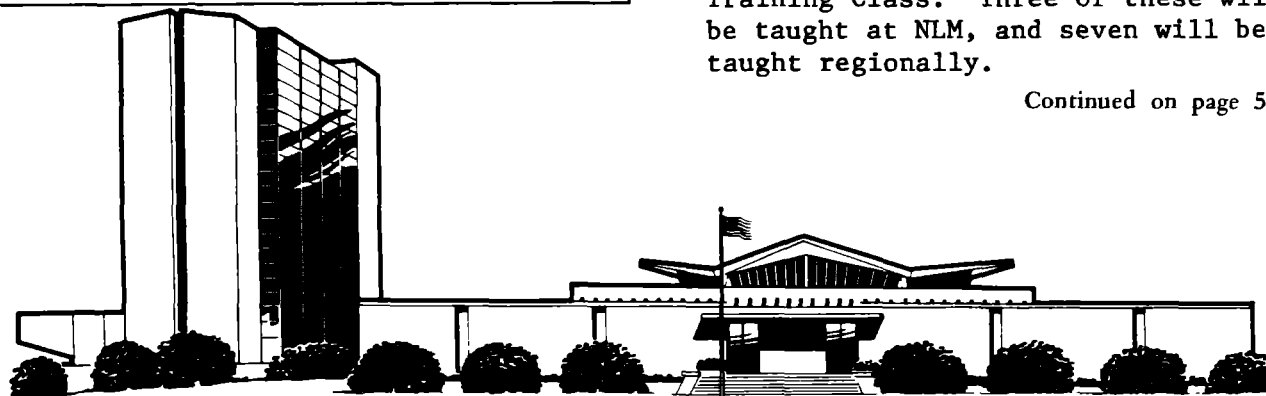
## NLM Online Training Program

Patricia C. Buchan  
MEDLARS Management Section, NLM

The schedule of NLM Online Services Training Classes has been announced for 1986. During the coming year, a total of 43 Initial Training classes will be held throughout the United States. Thirty of these will be held at sites other than NLM. Every attempt will be made to place training applicants in the class being taught in the location nearest to them. In addition, if a class is filled, the applicant will be placed in the first available class either at NLM or at a local site. Because all of the 1985 classes have been filled, a large number of applicants have been placed on a waiting list for 1986 classes. These applicants will receive first priority when the scheduling process for 1986 begins.

This year there will be ten offerings of the Advanced Online Services Training Class. Three of these will be taught at NLM, and seven will be taught regionally.

Continued on page 5



NLM TECHNICAL BULLETIN • NOV 85

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
(ELHILL SYSTEM)				
AVLINE	14,120	THROUGH 1985	21 NOV 85	
BIOETHICS	19,152	JAN 73-1985	09 OCT 85	8510(EM)
CANCERLIT	490,105	JAN 63-NOV 85	02 NOV 85	8511(EM)
CANCERPROJ	7,067	THROUGH 1985	03 OCT 85	8510(EM)
CATLINE	597,100	THROUGH 1985	21 NOV 85	
CHEMLINE	653,183		12 OCT 85	8509(EM)
CLINPROT	5,114		24 OCT 85	8510(EM)
DIRLINE	15,168		24 SEP 85	
HEALTH	327,875	JAN 75-DEC 85	09 NOV 85	8512(EM)
HISTLINE	68,883		09 NOV 85	8511(EM)
MEDLINE	742,014	JAN 83-DEC 85	02 NOV 85	8512(EM)
MED80	804,796	JAN 80-DEC 82	14 SEP 85	
MED77	775,069	JAN 77-DEC 79	22 JUL 85	
MED75	642,694	JAN 75-DEC 76	06 SEP 85	
MED71	883,467	JAN 71-DEC 74	07 OCT 85	
MED66	954,613	JAN 66-DEC 70	22 JUL 85	
MESH VOC	55,328	1985	28 OCT 85	
NAME AUTH	188,491		09 NOV 85	
POPLINE	143,018	1970-NOV 85	09 NOV 85	8511(EM)
RTECS	76,460	THROUGH JULY 85	19 SEP 85	
SDILINE	26,813	DEC 85	02 NOV 85	8512(EM)
SERLINE	66,192	1985	07 OCT 85	
TOXLINE	665,876		18 NOV 85	8511(EM)
CBAC	380,717	1981-VOL 103(7,8,9)		
TOXBIB	142,200	1981-DEC 85		
IPA (ASHP)	32,657	1981 VOL 22(21,22)		
BIOSIS	10,971	OCT 1985		
HEEP	49,788	1981-VOL 14(8)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	5,937	1981-APR 1984		
TD3	18,767	1981-GRA&I 85(16,17)		
HMTC	805	1981-JUL 1985		
ILO	3,983	JUL 1985		
RPROJ/CRISP	10,016	FISCAL YEARS 1983 & 1984		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXEIB	106,643	1976-1980		
IPA(ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA(ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAFAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		

(TOXNET SYSTEM)

TDE	4,139	01 OCT 85
HSDE	4,139	19 NOV 85

Editor: Carolyn B. Tilley  
 Assistant Editor: T. Scott Plutchak  
 Technical Notes Editor: Patricia E. Healy

Direct Inquiries to:  
 MEDLARS Management Section  
 National Library of Medicine  
 Bldg. 38A, Rm. 4N421  
 Bethesda, Maryland 20894

(301) 496-6193

## Technical Notes

Whenever applicable, the heading of each Technical Note includes a reference to the section of the Online Services Reference Manual, 1982 and Supplement, 1984 that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

NLM COMPUTER UNAVAILABLE  
SATURDAY & SUNDAY,  
DECEMBER 7-8, 1985

Reminder: The NLM computer will be unavailable on Saturday, December 7, 1985 and Sunday, December 8, 1985, in order to install the 1986 MEDLINE/BACKFILES and HEALTH databases. Please see the Technical Notes in the October 1985 NLM Technical Bulletin, p. 4, titled, "YEAR-END PROCESSING," and subsequent Technical Notes for additional information about the 1986 databases. □

### CHRISTMAS AND NEW YEAR'S HOLIDAYS

The NLM computer is scheduled to be UP on Christmas (Wednesday, December 25), and New Year's Day (Wednesday, January 1, 1986). The computer status on these holidays will be non-guaranteed. This means that if the computer goes down it is unlikely to be restarted until after midnight of the holiday. Users are also advised that non-guaranteed hours of operation may begin early on Christmas Eve and New Year's Eve. Specific details on guaranteed versus non-guaranteed hours of operation for each holiday will appear as an online NEWS item the week before the holiday. Non-prime rates will be in effect all day on these holidays and the MEDLARS<sup>®</sup> Management Service Desk will not be staffed. □

### BACKFILE POSTINGS IN THE MESH VOCABULARY FILE (Manual 6.8.2)

After December 9, 1985, the date when the 1986 MEDLINE databases become available, the Backfile Postings fields of the MESH VOCABULARY FILE will be changed to reflect the latest regeneration of the MEDLINE backfiles. The six data elements will be:

M83 (for MED83 backfile)  
M80 (for MED80 backfile)  
M77 (for MED77 backfile)  
M75 (for MED75 backfile)  
M71 (for MED71 backfile)  
M66 (for MED66 backfile)

The numeric values in each of these fields will reflect the postings for the term in each of the backfiles. Each backfile has two entries: the total postings for the term in a particular backfile, and the Index Medicus (IM) or "main point" postings (indicated by an asterisk (\*)).

For example, one descriptor term in the MESH VOCABULARY FILE may have entries similar to the following:

M83 - 95  
M83 - \*77  
M80 - 122  
M80 - \*100  
M77 - 179  
M77 - \*120  
M75 - 166  
M75 - \*131  
M71 - 195  
M71 - \*155  
M66 - 183  
M66 - \*101

Watch the online news for the date on which these changes will be implemented. □

### CHANGE IN FILE CONNECT MESSAGE

Effective December 9, 1985, users will receive enhanced file connect messages when accessing many of the MEDLARS ELHILL databases. Where appropriate, the file connect message will now contain the dates of coverage for a particular database. For example, the MEDLINE file connect message, received at LOGIN to ELHILL and after a FILE MEDLINE command, will be:

YOU ARE NOW CONNECTED TO THE  
MEDLINE (1984 FORWARD) FILE.

Databases without dates of coverage (e.g., CHEMLINE®) will have the same file connect message as previously, i.e., the connect message without the parenthetical date statement. □

### TELENET TOLL-FREE ACCESS

Effective on or about December 1, 1985, Telenet will be implementing a minor change to the toll-free, WATS (800/424-9494) access procedures. Under the current system, Telenet prompts WATS users only for the area code from which they are calling upon connecting to Telenet. Under the new WATS access procedure, in addition to the area code, WATS users will also be prompted for the exchange (the first three numbers of the phone number from which the user is calling). This minor change will allow GTE Telenet to capture WATS usage by city and thus help Telenet in determining which cities have sufficient usage to support their own local Telenet access telephone numbers (nodes).

Tymnet and Uninet WATS users are unaffected by this change, as are

Telenet users with local Telenet access numbers. □

### TYMNET/UNINET LOGIN AT 1200 BAUD

Users who access MEDLARS at 1200 baud using either Tymnet or Uninet should be aware that the initial message sent to the user's terminal by these networks when the connection is made will appear as "garbage" characters and not as a legible prompt. For example, the Uninet prompt, L?, will appear as two or more garbage characters; the Tymnet prompt, PLEASE TYPE YOUR TERMINAL IDENTIFIER, will appear as a string of garbage characters. When confronted with these garbage characters in lieu of a legible prompt, 1200 baud Uninet/Tymnet users should proceed normally and answer the garbage prompt as if it had been a legible prompt. (Uninet users respond with a carriage return, followed by a period, followed by a carriage return; Tymnet users enter a one-character terminal identifier and no carriage return.) These initial garbage characters are normal at 1200 baud and should not be interpreted by users as a problem precluding access to either network. □

### PURCHASE ORDERS FOR MEDLARS ACCOUNTS

Any purchase order sent to the National Technical Information Service (NTIS) for an online MEDLARS account must include the MEDLARS User ID on the purchase order. The User ID code, which is five characters (three alphabetic and two numeric, e.g., ABC22), is necessary in order to properly match the purchase order with the appropriate MEDLARS account. □

NLM Online Training Program

Continued from page 1

A training application form has been attached at the back of this issue.

Please make photocopies of this form to use for future requests for training. □

NLM ONLINE SERVICES TRAINING TENTATIVE 1986 CLASS SCHEDULE		
<u>DATES</u>	<u>COURSE</u>	<u>LOCATION</u>
January 6-10	Initial	NLM
6-10	Initial	Albuquerque, NM
13-17	Initial	Las Vegas, NV
27-31	Initial	NLM
February 3- 7	Initial	Omaha, NE
3- 7	Advanced	NLM
24-28	Initial	Los Angeles, CA
24-28	Initial	NLM
March 3- 7	Advanced	Los Angeles, CA
10-14	Initial	Chicago, IL
17-21	Initial	NLM
April 7-11	Initial	Davis, CA
7-11	Initial	NLM
14-18	Initial	Birmingham, AL
14-18	Initial	Shawnee Mission, KS
28-May 2	Initial	Boise, ID
28-May 2	Initial	New York, NY
May 5- 9	Initial	NLM
5- 9	Initial	Cleveland, OH
12-16	Initial	Waltham, MA
12-16	Advanced	Cleveland, OH
June 2- 6	Initial	Nashville, TN
2- 6	Advanced	NLM
9-13	Initial	Dallas, TX
16-20	Advanced	Dallas, TX
16-20	Initial	New York, NY
23-27	Initial	Spokane, WA
23-27	Initial	NLM
July 14-18	Initial	Hanover, NH
14-18	Initial	San Diego, CA
14-18	Initial	Denver, CO
21-25	Advanced	Denver, CO
28-Aug 1	Initial	NLM
August 4- 8	Initial	Pittsburgh, PA
4- 8	Initial	Corvallis, OR
11-15	Advanced	Corvallis, OR
18-22	Initial	Eau Claire, WI
18-22	Initial	NLM
September 8-12	Initial	Los Angeles, CA
22-26	Initial	NLM
22-26	Initial	Omaha, NE
22-26	Initial	New York, NY
29-Oct 3	Advanced	New York, NY
October 6-10	Advanced	NLM
20-24	Initial	Los Angeles, CA
20-24	Initial	NLM
November 3- 7	Initial	NLM
17-21	Initial	Atlanta, GA
17-21	Initial	San Jose, CA
December 1- 5	Initial	NLM
8-12	Initial	Indianapolis, IN
8-12	Initial	Tampa, FL
15-19	Advanced	Tampa, FL

## MEDLARS Login And Logoff Procedures

Lucie Chu Chen  
MEDLARS Management Section, NLM

Lou Wave S. Knecht  
MEDLARS Management Section, NLM

The NLM's MEDLARS system now has four components: ELHILL, MEDLEARN, PDQ, and TOXNET. Each component has a slightly different procedure for logging in and logging off. On the following pages, each procedure is summarized in chart format. Searchers are encouraged to

photocopy and post these charts near the online searching area. A blank space has been left for filling in local telephone numbers. Users who call the toll-free TELENET, TYMNET, and UNINET numbers must still contact MMS for those special login procedures.

Highlights of the basic terminal settings for MEDLARS compatibility are shown below for ready reference. Please call MMS from 8:30 AM to 5:00 PM ET Monday through Friday at (800) 638-8480 or (301) 496-6193 with any questions about or problems with logging in to MEDLARS. □

### BASIC TERMINAL SETTINGS

Communications Protocol: Asynchronous TTY (Teletypewriter-compatible)

Transmission Code: ASCII

Transmission Speed: 10, 30, 120, or 240 cps (characters per second)=  
110, 300, 1200, or 2400 baud (bits per second)

(Note: Your local telecommunications network number and your own equipment must support 2400 baud if this transmission speed is chosen).

Duplex: Half (for Direct Dial); Full is the default for network access -  
instructions also given for network access in Half Duplex.

Parity: Even (in some cases, try None if Even does not appear to work)

Number of Data Bits: 7 (in some cases, try 8 if 7 does not appear to work)

Number of Parity Bits: 1

Number of Stop Bits: 1

Number of Start Bits: 1

Automatic Line Feed: Turn off this feature

End of Line Definition: CR (for Carriage Return; do not set to CR LF for  
Carriage Return/Line Feed combination)

Basic Rule of Thumb = If in doubt about a setting, turn it "off!"



LOGIN PROCEDURES FOR MEDLARS ELHILL SYSTEM

	DIRECT DIAL Half Duplex	TELENET Full Duplex <sup>③</sup>	TYMNET Full Duplex <sup>③</sup>	UNINET Full Duplex <sup>③</sup>
	Dial 480-3150 for Bell modems; 480-3129 for Vadic modems. Connect phone & terminal.	Dial _____ Connect phone & terminal.	Dial _____ Connect phone & terminal.	Dial _____ Connect phone & terminal.
USER:	p (CR) <sup>①</sup>	(CR) (CR) <sup>①</sup>		L? <sup>④</sup>
SYSTEM:	PLEASE ENTER /LOGIN	TELENET 202 19B TERMINAL=	PLEASE ENTER YOUR TERMINAL IDENTIFIER <sup>④</sup>	
USER:	/login (CR)	dl (CR) <sup>②</sup> [Type your correct terminal identifier; see footnote.]	a <sup>②</sup> [Type your correct terminal identifier; see footnote.]	(CR).(CR) <sup>①</sup>
SYSTEM:	PLEASE ENTER USERID/ PASSWORD OR LOGON #####	@ <sup>③</sup>	-2544-021- PLEASE LOG IN: <sup>③</sup>	UNINET PAD 4BB7 PORT 00 SERVICE: <sup>③</sup>
USER:	XYZ01/password (CR) [Type your Code & Password over the disguising marks.]	c 301 20 (CR)	Control P nlm (CR) <sup>①③</sup>	nlm (CR)
SYSTEM:		301 20 CONNECTED	PASSWORD:	*U001 000 CONNECTED TO 30100025
USER:		/login (CR)	bcn (CR) (CR)	/login (CR)
SYSTEM:		PLEASE ENTER USERID/ PASSWORD OR LOGON #####	+ NLM: CALL CONNECTED	PLEASE ENTER USERID/ PASSWORD OR LOGON #####
USER:		XYZ01/password (CR) [Type your Code & Password over the disguising marks.]	/login (CR)	XYZ01/password (CR) [Type your code & Password over the disguising marks.]
SYSTEM:			PLEASE ENTER USERID/ PASSWORD OR LOGON #####	
USER:			XYZ01/password (CR) [Type your Code & Password over the disguising marks.]	

1/ (CR) = Press Carriage Return or Enter key.

2/ Choose the appropriate terminal identifier for your equipment from the attached lists. Call MMS if your equipment is not listed. Using the proper identifier is important. Do not use a carriage return after the TYMNET identifier.

3/ Half Duplex Instructions:

At first TELENET @ prompt, type the word HALF (CR). Proceed with above instructions.	At TYMNET PLEASE LOG IN: prompt, type Control H after Control P followed by NLM (CR). Proceed with above instructions.	At first UNINET SERVICE: prompt, type SET2:0 (CR). Proceed with above instructions.
--	--	---

4/ On TYMNET and UNINET the first response received from the network will be "garbage characters" or what appears to be line noise if the terminal is set for 1200 baud; ignore these nonsense characters and proceed with the instructions.

5/ A Control Key sequence means that you depress and hold down the Control key (usually indicated CNTL) and then press the letter key, and then release both keys. Nothing will type on your screen or paper, but a signal is sent to the network.



LOGIN PROCEDURES FOR MEDLARS PDQ SYSTEM

	DIRECT DIAL Half Duplex	TELENET Full Duplex <sup>③</sup>	TYMNET Full Duplex <sup>③</sup>	UNINET Full Duplex <sup>③</sup>
	Dial 480-3150 for Bell modems; 480-3129 for Vadic modems. Connect phone & terminal.	Dial _____ Connect phone & terminal.	Dial _____ Connect phone & terminal.	Dial _____ Connect phone & terminal.
USER:	p (CR) <sup>①</sup>	(CR) (CR) <sup>①</sup>		
SYSTEM:	PLEASE ENTER /LOGIN	TELENET 202 19B TERMINAL=	PLEASE ENTER YOUR TERMINAL IDENTIFIER <sup>④</sup>	L? <sup>④</sup>
USER:	/login (CR)	dl (CR) <sup>②</sup> [Type your correct terminal identifier; see footnote.]	a <sup>②</sup> [Type your correct terminal identifier; see footnote.]	(CR).(CR) <sup>①</sup>
SYSTEM:	PLEASE ENTER USERID/ PASSWORD OR LOGON #####	@ <sup>③</sup>	-2544-021- PLEASE LOG IN: <sup>③</sup>	UNINET PAD 4BB7 PORT 00 SERVICE: <sup>③</sup>
USER:	logon (CR) [Type the word <u>logon</u> over the disguising marks.]	c 301 20 (CR)	Control P nlm (CR) <sup>①⑤</sup>	nlm (CR)
SYSTEM:	IKJ56700A ENTER USERID -	301 20 CONNECTED	PASSWORD:	*U001 000 CONNECTED TO 30100025
USER:	XYZ01/PDQpassword (CR) [Type your Code & PDQ Password.] <sup>⑥</sup>	/login (CR)	bcn (CR) (CR)	/login (CR)
SYSTEM:	LOGON IN PROGRESS ...	PLEASE ENTER USERID/ PASSWORD OR LOGON #####	+ NLM: CALL CONNECTED	PLEASE ENTER USERID/ PASSWORD OR LOGON #####
USER:	logon (CR) [Type the word <u>logon</u> over the disguising marks.]	logon (CR) [Type the word <u>logon</u> over the disguising marks.]	/login (CR)	logon (CR) [Type the word <u>logon</u> over the disguising marks.]
SYSTEM:	IKJ56700A ENTER USERID -	IKJ56700A ENTER USERID -	PLEASE ENTER USERID/ PASSWORD OR LOGON #####	IKJ56700A ENTER USERID -
USER:	XYZ01/PDQpassword (CR) [Type your Code & PDQ Password.] <sup>⑥</sup>	XYZ01/PDQpassword (CR) [Type your Code & PDQ Password.] <sup>⑥</sup>	logon (CR) [Type the word <u>logon</u> over the disguising marks.]	XYZ01/PDQpassword (CR) [Type your Code & PDQ Password.] <sup>⑥</sup>
SYSTEM:	LOGON IN PROGRESS ...	LOGON IN PROGRESS ...	IKJ56700A ENTER USERID-	LOGON IN PROGRESS ...
USER:			XYZ01/PDQpassword (CR) [Type your Code & PDQ Password.] <sup>⑥</sup>	
SYSTEM:			LOGON IN PROGRESS ...	

1/ (CR) = Press Carriage Return or Enter key.

2/ Choose the appropriate terminal identifier for your equipment from the attached lists. Call MMS if your equipment is not listed. Using the proper identifier is important. Do not use a carriage return with the TYMNET identifier.

3/ Half Duplex Instructions:      At first TELENET @      At TYMNET PLEASE LOG IN:      At first UNINET SERVICE:  
prompt, type the word      prompt, type Control H      prompt, type SET2:0 (CR).  
HALF (CR). Proceed with      after Control P followed      Proceed with above  
above instructions.      by NLM (CR). Proceed      instructions.  
with above instructions.

4/ On TYMNET and UNINET the first response received from the network will be "garbage characters" or what appears to be line noise if the terminal is set at 1200 baud; ignore these nonsense characters and proceed with the instructions.

5/ A Control Key sequence means that you depress and hold down the Control key (usually indicated CNTL) and then press the letter key, and then release both keys. Nothing will type on your screen or paper, but a signal is sent to the network.

6/ The PDQ Password is a special Password assigned to a code specifically for access to PDQ. The PDQ Password is not the same as the ELHILL Password.

NLM TECHNICAL BULLETIN • NOV 85

LOGIN PROCEDURES FOR MEDLARS MEDLEARN SYSTEM

	DIRECT DIAL Half Duplex	TELENET Full Duplex <sup>③</sup>	TYMNET Full Duplex <sup>③</sup>	UNINET Full Duplex <sup>③</sup>
	Dial 480-3150 for Bell modems; 480-3129 for Vadic modems. Connect phone & terminal.	Dial _____ Connect phone & terminal.	Dial _____ Connect phone & terminal.	Dial _____ Connect phone & terminal.
USER:	p (CR) <sup>①</sup>	(CR) (CR) <sup>①</sup>		
SYSTEM:	PLEASE ENTER /LOGIN	TELENET 202 19B TERMINAL=	PLEASE ENTER YOUR TERMINAL IDENTIFIER <sup>④</sup>	L? <sup>④</sup>
USER:	/login (CR)	d1 (CR) <sup>②</sup> [Type your correct terminal identifier; see footnote.]	a <sup>②</sup> [Type your correct terminal identifier; see footnote.]	(CR).(CR) <sup>①</sup>
SYSTEM:	PLEASE ENTER USERID/ PASSWORD OR LOGON #####	@ <sup>③</sup>	-2544-021- PLEASE LOG IN: <sup>③</sup>	UNINET PAD 4BB7 PORT 00 SERVICE: <sup>③</sup>
USER:	logon (CR) [Type the word <u>logon</u> over the disguising marks.]	c 301 20 (CR)	Control P nlm (CR) <sup>①⑤</sup>	nlm (CR)
SYSTEM:	IKJ56700A ENTER USERID -	301 20 CONNECTED	PASSWORD:	*U001 000 CONNECTED TO 30100025
USER:	XYZ01/password (CR) [Type your ELHILL Code & Password.] <sup>⑥</sup>	/login (CR)	bcn (CR) (CR)	/login (CR)
SYSTEM:	LOGON IN PROGRESS ... DO YOU WANT MEDLEARN ENTER YES OR NO:	PLEASE ENTER USERID/ PASSWORD OR LOGON #####	+ NLM: CALL CONNECTED	PLEASE ENTER USERID/ PASSWORD OR LOGON #####
USER:	YES (CR)	logon (CR) [Type the word <u>logon</u> over the disguising marks.]	/login (CR)	logon (CR) [Type the word <u>logon</u> over the disguising marks.]
SYSTEM:		IKJ56700A ENTER USERID -	PLEASE ENTER USERID/ PASSWORD OR LOGON #####	IKJ56700A ENTER USERID -
USER:		XYZ01/password (CR) [Type your ELHILL Code & Password.] <sup>⑥</sup>	logon (CR) [Type the word <u>logon</u> over the disguising marks.]	XYZ01/password (CR) [Type your ELHILL Code & Password.] <sup>⑥</sup>
SYSTEM:		LOGON IN PROGRESS ... DO YOU WANT MEDLEARN ENTER YES OR NO:	IKJ56700A ENTER USERID -	LOGON IN PROGRESS ... DO YOU WANT MEDLEARN ENTER YES OR NO:
USER:		YES (CR)	XYZ01/password (CR) [Type your ELHILL Code & Password.] <sup>⑥</sup>	YES (CR)
SYSTEM:			LOGON IN PROGRESS ... DO YOU WANT MEDLEARN ENTER YES OR NO:	
USER:			YES (CR)	

1/ (CR) = Press Carriage Return or Enter key.

2/ Choose the appropriate terminal identifier for your equipment from the attached lists. Call MMS if your equipment is not listed. Using the proper identifier is important. Do not use a carriage return after the TYMNET identifier.

3/ Half Duplex Instructions:      At first TELENET @ prompt, type the word HALF (CR). Proceed with above instructions.      At TYMNET PLEASE LOG IN: prompt, type Control H after Control P followed by NLM (CR). Proceed with above instructions.      At first UNINET SERVICE: prompt, type SET2:0 (CR). Proceed with above instructions.

4/ On TYMNET and UNINET the first response received from the network will be "garbage characters" or what appears to be line noise if the terminal is set to 1200 baud; ignore these nonsense characters and proceed with the instructions.

5/ A Control Key sequence means that you depress and hold down the Control key (usually indicated CNTL) and then press the letter key, and then release both keys. Nothing will type on your screen or paper, but a signal is sent to the network.

6/ The MEDLEARN Password is the Password assigned to the User ID code when it was originally assigned by NLM.

LOGOFF PROCEDURES FOR MEDLARS<sup>①</sup>

	ELHILL	TOXNET	PDQ	MEDLEARN
SYSTEM:	USER:	USER:	USER:	USER:
USER:	stop y (CR) <sup>②</sup>	stop y (CR) <sup>②</sup>	end (CR) <sup>②</sup>	stop (CR) <sup>②</sup>
SYSTEM:	TIME 0:00:00 NLM TIME 18:25:47 . . . PROG: GOOD-BYE! THE ESTIMATED TOTAL ONLINE COST FOR THIS X MINUTE TERMINAL SESSION IS \$\$.##. *** END OF SESSION ***	TIME 0:00:00 NLM TIME 18:30:33 . . . PROG: GOOD-BYE! THE ESTIMATED TOTAL ONLINE COST FOR THIS X MINUTE TERMINAL SESSION IS \$\$.##. *** END OF SESSION ***	QUERY SESSION TERMINATED YOU ARE BEING LOGGED OFF PDQ - IF YOU ARE AN ELHILL USER AND WOULD LIKE TO LOGON TO ELHILL, ENTER YES ---	PROG: DO YOU WISH TO DISCONNECT FROM *MEDLEARN* AT THIS TIME? (YES/NO) USER:
USER:			n (CR)	y (CR)
SYSTEM:			LOGGED OFF TSO AT ##:##:## ON NOVEMBER 5, 1985	PROG: BEFORE ENDING *MEDLEARN* ... COMMENT? (YES/NO) USER:
USER:				n (CR)
SYSTEM:				GOODBYE FROM *MEDLEARN*! LOGGED OFF TSO AT ##:##:## ON NOVEMBER 5, 1985

1/ Be sure to logoff properly following these procedures. Do not walk away from the terminal or simply hang up the telephone (unless you cannot get a response from the system). All four components have a time-out feature for abnormal disconnects (e.g., hanging up the phone, being dropped by the network) which will log off a code automatically and stop the billing at the last carriage return sent by the user. Be aware that TOXNET will not automatically logoff a code if there has been no interaction with the computer. In TOXNET, a line with no activity is not considered an abnormal disconnect.

2/ (CR) = Press Carriage Return or Enter key.

TYMNET TERMINAL IDENTIFIER LIST

Identifier†	Code	Speed	Terminal Type
A	ASCII	30cps, 120cps	CRT terminals
The identifier A is used both for terminals with no line-feed or carriage-return delay, such as a CRT terminal, and terminals with buffers, such as the Tymshare 326.			
B	ASCII	15cps	All terminals
C	ASCII	30cps	Impact printers
D	ASCII	10cps	All terminals
E	ASCII	30cps	Thermal printers
F	ASCII	15cps in, 30cps out	BETA terminals
G	ASCII	30cps, 120cps	Belt printers G.E. Terminet
I	ASCII	120cps	Matrix printers
P	EBCDIC/ Correspondence	14.8cps	Selectric-type terminals (e.g., 2741)

Terminal	ID*	Terminal	ID*
ADDS		ITT	
580, 620, 680 880 980	A	3501 Asciscop	A
Anderson Jacobson		Lear Siegler	
330		7700 ADM-1 ADM-2,	
830, 832	A	ADM-3	A
630	E	LogAbax Informatique	
860†	A	LX 180	I
Ann Arbor Terminals		LX 1010†	A
Design III, 200	A	Miz	
Beehive Medical Electronics		2400†	I
Mini Bee 1, 2, 4	A	Megadata	A
Super Bee 2, 3	A	Memorex	
I-211 M-501, R-211	A	1240	G
Bell System		NCR	
Dataspeed 40.2		260	E
KD	A	796	A
KDP	G	Omron	
Computer Devices		8525	A
1030	E	Onlei	
1132 1201 1202 1203, 1204, 1205, 1206	A	4000	A
CompuTek		Research	
200 300	A	Telerav 3300 3311 3712	A
Conrac		Raytheon	
401, 480	A	PTS-100	A
Control Data		Singer	
713	A	30	E
Computer Transceiver Systems		Scientific Measurement	
Execuport	E	Systems	
DEC		1440	A
GT40 LA34, LA36, LA38, LA120 † LS120, † VT05, VT50 VT100 VT132	A	Tally	
Datamedia		1612†	A
1500 2000, 2100 2500	A	Tec	
Datapoint		400 Series 1440	A
1100 3000 3300	A	Tektronix	
Delta Data		4012 4013, 4014 4023	
5000 5100 5200	A	4025	A
Digi Log		Teletype	
33 209 300	A	33, 35	D
General Electric		38	B
Terminet		43	A
300 1200	G	Texas Instruments	
Gen Com		720, 725 733 735	E
300	A	743 745, 763, 765 771 †	
Hazeltine		820	A
1200, 2000	A	Texas Scientific	
Hewlett-Packard		Entelkon 10	A
2615, 2616, 262X Series		Typograp	
263X Series, 264X Series	A	DP-30	C
Hydra		Tymshare	
Model B	I	100 110, 212, 213	E
IBM		200	O
2741	P	310 311	C
Interdata		125 126 225, 315, 316, 325, 350, † 420, 430, 440W, 444 1100†	A
Carousel 300	E	Wang Laboratories	
Incoterm		220 08	A
SPD 10/20, 20/20, 900	A	Westinghouse	
Infoton		1600, 1620	A
Vistar	A	Xerox	
		8C100, 8C200	A

TELENET TERMINAL IDENTIFIER LIST

TERMINAL MODEL	ID	IBM 2741 (CORRESPONDENCE CODE)	
ADDS CONSUL 520, 580, 980	D1	TYPESPHERE ELEMENT Code: #001, 005, 007, 008, 022,	
ADDS ENVOY 620, REGENT	D1	030, 050, 063, 067, 070, 086	C1
ALANTHUS DATA TERMINAL T-133	A1	008, 010, 015, 019, 068, 080	C2
T-300	A8	021, 025-029, 031-039, 080, 088, 089,	
T-1200	A3	123, 129-145, 156, 161	C3
ALANTHUS MINITERM	A2	043, 054	C4
AM-JACQUARD AMTEXT 425	D1	IBM 3101	D1
ANDERSON JACOBSEN 510	D1	INFORMER 1304, D304	D1
ANDERSON JACOBSEN 630	B1	INFOTON 100, 200, 400, VISTAR	D1
ANDERSON JACOBSEN 830, 832	B3	INTELLIGENT SYSTEMS INTECOLOR	D1
ANDERSON JACOBSEN 841	*	INTERTEC INTERTUBE II	D1
ANDERSON JACOBSEN 860	B8	LANIER WORD PROCESSOR	D1
APPLE II	D1	LEAR SIEGLER ADM SERIES	D1
ATARI 400, 800	D1	LEXITRON 1202, 1303	D1
AT & T DATASPEED 40/1, 40/2, 40/3	D1	MEMOREX 1240	A2
BEEHIVE MINIBEE, MICROBEE	D1	MICOM 2000, 2001	D1
CENTRONICS 781	A8	NBI 3000	D1
COMMODORE PET	D1	NCR 280	A2
COMPU-COLOR II	D1	PERKIN-ELMER MODEL 1100, OWL, BANTAM	D1
COMPUTER DEVICES CDI 1030	A2	PERKIN-ELMER CAROUSEL 300 SERIES	A8
COMPUTER DEVICES TELETERM 1132	A8	RADIO SHACK TRS 80	D1
COMPUTER DEVICES MINITERM 1200 SERIES	A2	RESEARCH INC. TELERAY	D1
COMPUTER TRANSCEIVER EXECUPORT 300	A2	TEKTRONIX 40002-4024	D1
COMPUTER TRANSCEIVER EXECUPORT 1200	A9	TELETYPE MODEL 33, 35	A1
COMPUTER TRANSCEIVER EXECUPORT 4000	A8	TELETYPE MODEL 40	D1
CPT 6000, 8000	D1	TELETYPE MODEL 43	B3
DATAMEDIA ELITE	D1	TELETYPE MODEL 40/1, 40/2, 40/3	D1
DATAPoint 1500, 1800, 2200, 3000, 3300, 3600, 3900	D1	TEXAS INSTRUMENT 725	A7
DATA PRODUCTS PORTATERM	A1	733	A2
DATA TERMINAL & COMMUNICATIONS DTC 300, 302	B3	735	A6
DIABLO HYTERM	B3	743, 745, 763, 765	D1
DIGI-LOG 33 & TELECOMPUTER II	D1	820	B3
DIGITAL EQUIPMENT (LA 35-38) DECWRITER II	A8	99/4	D1
(LA 120) DECWRITER III	A8	TRENDA 1000, 1500, 2000	*
DIGITAL EQUIPMENT VT50, VT52, VT100, WS78, WS200	D1	4000 (ASCII)	B1
GEN-COMM SYSTEMS 300	B3	TYMSHARE 110, 212	A2
GE TERMINET 30	A5	315	A8
GE TERMINET 300	A4	325	B3
GE TERMINET 120, 1200	A3	UNIVAC DCT 500	B4
GENERAL TERMINAL GT-100A, GT-101, GT-110, GT-400, GT-400B	D1	WANG 20, 25, 30, 015, 130, 145	D1
HAZELTINE 1500, 1400, 2000	D1	WESTERN UNION EDT 33, 35	A1
HEWLETT PACKARD 2621	D3	300	A3
HEWLETT PACKARD 2640 SERIES	D1	1200	A4
IBM 2741 (EBCD CODE)	D1	XEROX 800, 850, 860	D1
TYPESPHERE ELEMENT Code: #963, 996, 998,	E1	XEROX 1700	B3
838, 839, 961, 962, 997	E2		
942, 943	E3		
947, 948	E4		

\* USE IBM 2741 CODES

## 1986 CANCERLIT Year-End Changes

Jane L. Bryant  
National Cancer Institute and  
MEDLARS Management Section, NLM

It is anticipated that a regenerated CANCERLIT file will be available to online users in mid-January 1986. This 1986 CANCERLIT file will reflect the NLM Class Maintenance changes and the 1986 MeSH Vocabulary, as well as some major modifications and additions to the database.

The 1986 CANCERLIT file will include two new data elements: a Last Revision Date (LR) field and a CANCERGRAM Identifier (CG) field.

CANCERLIT records that have been individually maintained will contain the date of the revision in the Last Revision Date (LR) field. The format for this field will be YYMMDD (Year Month Day), e.g., LR - 860101. These changes, which often correct misspellings of author names or incorrect source information, will be made on an annual basis at the time of regeneration. The annual Class Maintenance changes, e.g., vocabulary changes, will not result in an LR occurrence.

The new CANCERGRAM Identifier (CG) field will make it possible to identify records in the CANCERLIT database that have been included in one or more CANCERGRAMS. CANCERGRAMS are monthly current awareness publications of the National Cancer Institute. (A full-length article describing CANCERGRAMS and the special search capabilities offered via this new field will appear in a future issue of the NLM Technical Bulletin).

CANCERLIT will contain Pre-explosions (PX) in 1986. The Pre-explosions will be identical to those in MEDLINE with

the exception of the United States (PX) where United States is used as a place of publication. This is due to the fact that the ZN (MeSH Z Tree Number) field does not exist in CANCERLIT. The United States MC (PX) (United States as a MeSH Heading) will be available. The Pre-explosions should be searched in the same manner as in MEDLINE, for example:

```
SS 1 /C?
USER:
viruses (px)
```

Caution: It is highly recommended that the Neoplasms (PX) not be used in CANCERLIT. It is probable that this would retrieve nearly every record from 1980 forward (when MeSH Headings were first added to CANCERLIT). This accounts for approximately one-half of the database.

The Secondary Source ID (SI) field will be modified in format, content, and ease of searching. The field will consist of two portions, separated by a slash (/), in the format xxxx/nnnnnnnn. (The old format was xxxx/nn/nnnnnn). The four-character alphabetic string preceding the slash will continue to identify the source of the record, e.g., MEDL or ICDB. The eight-character numeric string following the slash will be an accession number assigned to the record by the corresponding secondary source. For all MEDLINE-derived records, this number will be the MEDLINE Unique Identifier (UI). For example:

```
SI - MEDL/85064340
```

(85064340 is the MEDLINE UI)

The addition of the MEDLINE Unique Identifier to the CANCERLIT record will allow DOCLINE users to order inter-library loans for MEDLINE-derived citations retrieved in CANCERLIT searches.



The SI field will continue to be directly searchable with some modification. The entire string may be searched to find an individual record. For example:

```
SS 1 /C?
USER:
icdb/84002311 (si)
```

In addition, the first portion of the field -- the four-character alphabetic string identifying the source -- may be searched by itself. This will allow one to search for all records from a particular secondary source without receiving a GENTERM OVERFLOW message. For example:

```
SS 2 /C?
USER:
medl (si)
```

This strategy would retrieve all of the MEDLINE-derived records from CANCERLIT (remember that MEDLINE-derived records have only been added to CANCERLIT since June 1983). The MEDL (SI) tag could also be used as an alternate method for the elimination of MEDLINE-derived citations from CANCERLIT retrieval. For example:

```
SS 3 /C?
USER:
2 and not medl (si)
```

This would limit retrieval to only those citations that were unique to CANCERLIT, i.e., those not also found

in MEDLINE. (This strategy achieves the same result as 2 AND NOT L (SB)).

These changes in format and searching of the SI field will be made retrospectively to all CANCERLIT records.

CANCERLIT will also include an additional standard print command, PRINT AR, in 1986. This command will print the SI, AU, TI, SO, and AB fields.

Searching the Title Abbreviation (TA) field will be modified in the 1986 CANCERLIT. It will be necessary to qualify all journal title abbreviations when searching. Currently, if one types in a journal title abbreviation unqualified, one may receive a Multi-meaning Message. This modification will make searching the TA field in CANCERLIT the same as in MEDLINE. It will be necessary to use the qualifier (TA) to retrieve journal title abbreviations. For example:

```
SS 1 /C?
USER:
surgery (ta)
```

Please watch the online news in January for information regarding the exact date of availability of the new CANCERLIT. At that time, any stored searches for the CANCERLIT Automatic SDI Program should be revised accordingly. □

## The Pharmacology (PHCY) Category In HSDB And TDB On TOXNET

Philip Wexler  
Specialized Information Services, NLM

Pharmacology embraces knowledge of the history, source, physical and chemical properties, compounding, biochemical and physiological effects, mechanisms of action, absorption, distribution, biotransformations and excretion, and therapeutic and other uses of drugs. The Pharmacology (PHCY) category in HSDB and TDB generally includes fields for concepts applicable only to drugs. The exception is the Therapeutic Uses (THER) field, which also covers substances not ordinarily categorized

as drugs but which have drug applications. Information about drugs also may appear outside the PHCY category. Data on mechanism of action, toxicity, and chemical/physical properties of drugs, for example, appear in other categories because these are concepts that may apply to any chemical, not simply to drugs. Because of this spread of data, TOXNET users searching for drug information need to be especially careful. The PHCY category contains a combination of human and animal data as specified in the definitions below. This article will focus upon the six fields which constitute PHCY (see Figure 1). The fields appearing under the related header of Pharmacokinetics (PHMK) will be discussed in a future article on Toxicity/Biomedical Effects (TOXB).

PHCY	**	PHARMACOLOGY
BION		Bionecessity
THER		Therapeutic Uses
WARN		Drug Warnings
IDIO		Drug Idiosyncracies
TOLR		Drug Tolerance
MXDD		Maximum Drug Dose

Figure 1





**What drugs may be useful in relieving headaches other than migraines?**

SS 1 7L

USER:

same as the all headache: not migraines: the  
 NOT HEADACHE: 2)

IS OCCURRENCE IN 10 100000

SO (1) (S7) (L)

SS 2 7C

USER:

print: stop: ha

HON - 100

NAME - ACETAMINOPHEN

THIR - ANALGESIC. ACETAMINOPHEN IS A DRUG FOR NONFEEBILIC RELIEF OF  
 CERTAIN TYPE OF PAIN FOR EXAMPLE HEADACHE, RHEUMATISM,  
 DYSMENSTRUAL NEURALGIA, ETC. IT IS PRESCRIBED IN SOME  
 CASES OF PAIN OF THE Joints. ACETAMINOPHEN IS COMMONLY  
 USED THEREOF SINCE 1977

HON - 100

NAME - ACETAMINOPHEN

THIR - ANALGESIC. ACETAMINOPHEN IS A DRUG FOR NONFEEBILIC RELIEF OF  
 CERTAIN TYPE OF PAIN FOR EXAMPLE HEADACHE, RHEUMATISM,  
 DYSMENSTRUAL NEURALGIA, ETC. IT IS PRESCRIBED IN SOME  
 CASES OF PAIN OF THE Joints. ACETAMINOPHEN IS COMMONLY  
 USED THEREOF SINCE 1977

HON - 100

NAME - FLUDROCORTISONE

THIR - FLUDROCORTISONE IS A MINERALOCORTICOID. IT IS DEFECTIVE IN CONTROLLING BLOOD  
 PRESSURE, FLUID BALANCE, ETC. IT IS USED IN THE TREATMENT OF  
 WITH ENDOCRINE DYSFUNCTION, HYPOADRENALISM, CUSHING'S DISEASE,  
 ETC. SINCE 1977

**Note:** Although the above search strategy retrieves records which answer the question, it may be omitting other relevant records. Users are reminded that the AND NOT operator should be used judiciously. The above strategy may be eliminating records of drugs which treat both migraines and other types of headaches. Another approach would have been to search for (THIR) ALL HEADACHE: and manually eliminate those dealing exclusively with migraines.

Figure 3.2



1. ... IF TO ...  
 2. ...  
 3. ...  
 4. ...  
 5. ...  
 6. ...  
 7. ...  
 8. ...  
 9. ...  
 10. ...  
 11. ...  
 12. ...  
 13. ...  
 14. ...  
 15. ...  
 16. ...  
 17. ...  
 18. ...  
 19. ...  
 20. ...  
 21. ...  
 22. ...  
 23. ...  
 24. ...  
 25. ...  
 26. ...  
 27. ...  
 28. ...  
 29. ...  
 30. ...  
 31. ...  
 32. ...  
 33. ...  
 34. ...  
 35. ...  
 36. ...  
 37. ...  
 38. ...  
 39. ...  
 40. ...  
 41. ...  
 42. ...  
 43. ...  
 44. ...  
 45. ...  
 46. ...  
 47. ...  
 48. ...  
 49. ...  
 50. ...  
 51. ...  
 52. ...  
 53. ...  
 54. ...  
 55. ...  
 56. ...  
 57. ...  
 58. ...  
 59. ...  
 60. ...  
 61. ...  
 62. ...  
 63. ...  
 64. ...  
 65. ...  
 66. ...  
 67. ...  
 68. ...  
 69. ...  
 70. ...  
 71. ...  
 72. ...  
 73. ...  
 74. ...  
 75. ...  
 76. ...  
 77. ...  
 78. ...  
 79. ...  
 80. ...  
 81. ...  
 82. ...  
 83. ...  
 84. ...  
 85. ...  
 86. ...  
 87. ...  
 88. ...  
 89. ...  
 90. ...  
 91. ...  
 92. ...  
 93. ...  
 94. ...  
 95. ...  
 96. ...  
 97. ...  
 98. ...  
 99. ...  
 100. ...

**What anesthetics should be avoided by asthma sufferers?**

1. ...  
 2. ...  
 3. ...  
 4. ...  
 5. ...

6. ...

7. ...

8. ...  
 9. ...  
 10. ...  
 11. ...

12. ...

13. ...

14. ...

15. ...

16. ...  
 17. ...  
 18. ...  
 19. ...  
 20. ...  
 21. ...  
 22. ...  
 23. ...  
 24. ...  
 25. ...  
 26. ...  
 27. ...  
 28. ...  
 29. ...  
 30. ...  
 31. ...  
 32. ...  
 33. ...  
 34. ...  
 35. ...  
 36. ...  
 37. ...  
 38. ...  
 39. ...  
 40. ...  
 41. ...  
 42. ...  
 43. ...  
 44. ...  
 45. ...  
 46. ...  
 47. ...  
 48. ...  
 49. ...  
 50. ...  
 51. ...  
 52. ...  
 53. ...  
 54. ...  
 55. ...  
 56. ...  
 57. ...  
 58. ...  
 59. ...  
 60. ...  
 61. ...  
 62. ...  
 63. ...  
 64. ...  
 65. ...  
 66. ...  
 67. ...  
 68. ...  
 69. ...  
 70. ...  
 71. ...  
 72. ...  
 73. ...  
 74. ...  
 75. ...  
 76. ...  
 77. ...  
 78. ...  
 79. ...  
 80. ...  
 81. ...  
 82. ...  
 83. ...  
 84. ...  
 85. ...  
 86. ...  
 87. ...  
 88. ...  
 89. ...  
 90. ...  
 91. ...  
 92. ...  
 93. ...  
 94. ...  
 95. ...  
 96. ...  
 97. ...  
 98. ...  
 99. ...  
 100. ...

Figure 4.2

**Drug Idiosyncracies (IDIO)**

This field contains information on the unexpected reaction, peculiar to an

individual, associated with the therapeutic administration of a drug in humans. An example is given in Figure 5.

Is there any explanation for an individual resistant to the effects of the muscle relaxant, succinylcholine?

SS 1 70  
 USER:  
 (Name) Succinylcholine  
 SS (1) FSTL (1)

SS 2 70  
 USER:  
 1 and all resist to  
 MM (RESISTANT) (\*)

SS (2) FSTL (1)

SS 3 70  
 USER:  
 prl hits

HSN - 254  
 NAME - SUCCINYLCHOLINE  
 IDIO - A VERY RARE AND UNUSUAL TYPE OF SERUM CHOLINESTERASE IS CALLED THE CARIBBEAN VARIANT. AFFECTED INDIVIDUALS HAVE NEARLY 7 TIMES AS MUCH SERUM CHOLINESTERASE ACTIVITY AS NORMAL & THEY HYDROLYZE SUCCINYLCHOLINE VERY RAPIDLY. DRUG IS DESTROYED SO QUICKLY THAT THESE INDIVIDUALS ARE RESISTANT, RATHER THAN SENSITIVE, TO DRUG. (JOUR. DRUG METAB. 1971)

Figure 5



Drug Tolerance (TOLR)

Information on the extent to which humans can develop tolerance to the

chemical and whether other organisms will develop resistance to it is included in this data field. The example is in Figure 6.

```

What is the biochemical explanation for tolerance to codeine?

SS 1 /C7
USER:
CODEINE (NAME)
SS (1) F016 (1)

SS 2 /L
USER:
prt tolr

HSN - 010
NAME - CODEINE
TOLR - TOLERANCE OCCURS IN ADDICTED INDIVIDUALS (EUMACL POISINDEX
1975 PRL 011)
TOLR - TOLERANCE TO CODEINE IS MOST FREQUENT DUE TO CHANGES IN
RESPONSE OF INDIVIDUALS WHOSE EFFECTS ADMIN TO ETC PRODUCES
NON-SPECIFIC INHIBITION OF HEPATIC MICROSOMAL DRUG-METABOLIZING
ENZYMES. (LIFE - PLOTHER COMPUNDO 1969)
    
```

Figure 6

**Maximum Drug Dose (MXDD)**

This data field provides details on the maximum daily dose of a drug that

can be tolerated by humans without manifestation of toxicity. Figure 7 provides an example of the use of this field.

```

What is the maximum recommended dose of the alpha-adrenergic blocker,
phenolamine?

SS 1 /C/
USER:
phenolamine (name)
SS (1) ESTB (1)

SS 2 /C/
USER:
prt mxdd

HSN - 3787
NAME - PHENOLAMINE
MADD - MAX RECOMMENDED ADULT.../DOSE IS/ 700 MG/DAY ORALLY. (RUMOCK.
FOI INDEX 1975 FHE-1111)
    
```

Figure 7

**Concerning Drugs and Exhaustive Searching**

This article is primarily about the Pharmacology category and tangentially about drugs. As mentioned in the opening paragraph, drug-related information may also appear within fields of the Pharmacokinetics (PHMK) header and other fields in the Toxicity/ Biomedical Effects (TOXB) category, such as Antidote & Emergency Treatment (ANTR). Indeed, drug data is spread throughout many fields of the HSDB/TDB Unit Records.

Searching for information on a diverse subject such as drugs is illustrative of an important point about searching in general: that of cursory vs. exhaustive searching. That users decide what fields to search based upon what they are looking for, is obvious. Exhaustivity and urgency are less obvious factors that can impinge significantly upon the selection of data fields for searching.

The search example given earlier (in Figure 3) about the safety of thyroid medications during pregnancy could have been handled in a number of ways. The user content with a "rough" search might have typed THYROID (THER) AND PREGNANT (WARN) and retrieved one record, that of indomethacin. The search strategy shown went considerably beyond this cursory method by combining many related terms (thyroid, antithyroid; fetus, fetal, teratogen) and searching in more than one field per concept (USE, THER; WARN, TOXB). The user who wanted to search even further along the road to exhaustiveness would have doubtless inquired at even more waystations. Computer files are rarely as pure as one would like and important data tends to turn up in unlikely places. The scrupulous searcher might have explored FDA Requirement (FDA), Special Reports (RPTS), and elsewhere. All this is not intended to imply that the best search is a comprehensive one but to beat into the ground the truism that the user's ultimate needs play a large role in determining the final search strategy. □



**User mistakenly types "OR" instead of "AND" in a SAME command.**

```

SS 1 /C
USER:
same (cofo) while or liquid
THE 'OR' FUNCTION IS NOT VALID IN THE SAME COMMAND

SS 1 /C?
USER:
explain error
The 'OR' function is not valid in the SAME command. Only the 'AND' and
'AND NOT' commands are valid. Please re-enter your command.

USER:
same (cofo) while and liquid
SS OCCURRENCES IN 52 OF 0590
SS (1) FUTO (52)
    
```

Figure 2

**A closed parenthesis is missing from the search statement.**

```

SS 1 /C
USER:
wood (nat) and carinngn float
INVALID FORMAT.

SS 1 /C?
USER:
explain error
your statement, as entered, is not recognized by TOXNET. Review the
statement for errors (e.g., a missing parenthesis, or an 'AND' or 'OR'
out of sequence) from which help can be provided. Please try again.
    
```

Figure 3

**The forbidden combination of "ONLY" and "HITS" is attempted within a PRT command.**

```

SS 1 /C
USER:
prt only hits
THE 'HITS' OPTION IS NOT VALID WHEN USED WITH THE 'ONLY' OR 'EXCLUDE' OPTIONS

SS 1 /C
USER:
explain error
When using the PRINT FILE option, you may not use 'ONLY' or 'EXCLUDE' as
these would negate some of the search results.

USER:
prt hits
HEN - 124
NATL - FURNACECHYDE
PPDT - Formathylde 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100
NATS - PRESENT IN COAL & WOOD SHOPE, ETC. IN SHOPE AS PRODUCED FOR
SHOPEING HALL: FISH, MERCUR, JUNE 2TH ED 1974
    
```

Figure 4

*Monthly Search Hint*

## Troubleshooting Transmission Problems

Annette Morris  
MEDLARS Management Section, NLM

Every searcher at some time or another will experience trouble with the transmission of data when accessing MEDLARS. Sometimes data comes across the phone lines garbled and includes "line noise" characters. Sometimes messages or commands sent to the host computer are misinterpreted. Whatever the manifestation, the cause can be mysterious and frustrating for the user.

When data transmission problems occur, users should keep in mind a check list of things to consider as possible causes or solutions. The following list suggests items which have solved some problems for MEDLARS users in the past. Some points may seem trivial, but anyone who works with electrical equipment knows it doesn't take much to create a problem.

1. Make sure the equipment settings are correct for connection with MEDLARS. Co-workers who share equipment may change data bits, parity, or other settings without the searcher's knowledge.
2. Use the correct terminal identifier for your equipment when using TELENET and TYMNET -- it makes a difference. Remember that TELENET identifiers are double characters and TYMNET identifiers are a single character. (See the Online Services Reference Manual section 3.5.3.1 for a list of terminal identifiers, or consult pp. 12-13 of this issue).
3. Use a "dedicated" phone line (i.e., a phone line that is only for database searching). "Call waiting" signals can cause disconnections.
4. Periodically remove the carbon amplifier from the mouthpiece of the phone receiver and tap it gently. Occasionally the inner workings settle and interfere with transmission.
5. Other electrical equipment that shares outlets with or is located close to the search equipment can sometimes cause electrical interference resulting in line noise.
6. Test the equipment using another phone, preferably in another location.
7. With TELENET, "flow-control" can be enabled by entering SET 5:1,12:1 (followed by a carriage return) at the first @ prompt and C 301 20 at the second @ prompt.
8. With TYMNET, "flow-control" can be enabled by entering Control R followed by Control P before typing NLM in response to the PLEASE LOG IN: prompt.
9. If, in response to CONTINUE PRINTING? (YES/NO), the "Y" or "YES" is ignored and the program instead presents the next search statement, try: (1) waiting a few seconds before actually typing the Y (sometimes the letter may be entered too fast), or (2) enter \$ (followed by a carriage return) before entering the Y.
10. If commands to ELHILL are interpreted as search terms (and result in a NO POSTINGS message) try a quotation mark before the command, e.g., "STOP.
11. Sometimes the networks (TELENET, TYMNET, and UNINET) can be "under the weather." Thunderstorms and heavy rain may interfere with telecommunications.
12. When a network malfunctions, call MEDLARS Management to report the problem, including the specific error messages received. In the meantime, switch to another network if possible.

MMS would appreciate hearing of any other remedies for transmission

problems and will include them in other lists in the future.□

**ATTENTION ILL LIBRARIANS**

The functions and staff of the Audiovisual Resources Section (AVRS) of the National Library of Medicine were integrated recently into the Reference Section and the Circulation and Control Section of the Reference Services Division. Because of this reorganization, all interlibrary loan requests for audiovisual material are now being processed by the Circulation and Control Section (LIBID: 20209a).

Effective immediately, please direct all interlibrary loan requests for audiovisuals to the Circulation and Control Section, and reference requests about audiovisuals to the Reference Section.



- IM CLINICAL AND EXPERIMENTAL METASTASIS  
CLIN EXP METASTASIS  
IN1, JAN/MAR 1983--  
TAYLOR AND FRANCIS  
LONDON ENGLAND  
INDEXING BEGAN WITH V1N1, 1983.  
W1 CL664BH 0262-0898  
C25505000 JTC: DFC  
TAYLOR AND FRANCIS, 242 CHERRY  
ST., PHILADELPHIA PA 19106-1906
- IM JOURNAL OF CLINICAL NEUROPHYSIOLOGY  
J CLIN NEUROPHYSIOL  
IN1, JAN 1984--  
RAVEN PRESS  
NEW YORK UNITED STATES  
CONTINUES: JOURNAL OF THE AMERICAN EEG  
SOCIETY. OFFICIAL PUBLICATION OF THE  
AMERICAN ELECTROENCEPHALOGRAPHIC SOCIETY.  
INDEXING BEGAN WITH V1N1, 1984.  
W1 J05893P 0736-0258  
J16827000 JTC: HSP
- IDL COMMUNITY DENTAL HEALTH  
IM COMMUNITY DENT HEALTH  
IN1, MAR 1984--  
JOHN LIBBEY  
LONDON ENGLAND  
PUBLISHED IN COLLABORATION WITH THE BRITISH  
ASSOCIATION FOR THE STUDY OF COMMUNITY  
DENTISTRY.  
INDEXING FOR IDL BEGAN WITH V1N1, MAR 1984.  
INDEXING FOR IM BEGAN WITH V2N2, 1985.  
W1 C0428H 0265-539X  
C33080000 JTC: CDH
- IM JOURNAL OF HEPATOLOGY  
J HEPATOL  
IN1, 1985--  
ELSEVIER  
AMSTERDAM NETHERLANDS  
JOURNAL OF THE EUROPEAN ASSOCIATION FOR THE  
STUDY OF THE LIVER.  
INDEXING BEGAN WITH V1N1, 1985.  
W1 J067E 0168-8278  
SR0050582 JTC: IBS
- IM COMPLEMENT  
COMPLEMENT  
IN1, MAR 1984--  
KARGER  
BASEL SWITZERLAND  
INDEXING BEGAN WITH V1N1, 1984.  
W1 C0451R 0253-5076  
C34085000 JTC: DOB
- IM JOURNAL OF HEPATOLOGY. SUPPLEMENT  
J HEPATOL [SUPPL]  
1, 1985--  
ELSEVIER  
AMSTERDAM NETHERLANDS  
INDEXING BEGAN WITH SUPPL.1, 1985.  
W1 J067EA 0168-8278  
SR0051769 JTC: JHH  
ELSEVIER SCIENCE PUBLISHERS BIOMEDICAL  
DIVISION, P.O. BOX 1527, 1000 BM  
AMSTERDAM, NETHERLANDS
- IM GENETIC EPIDEMIOLOGY  
GENET EPIDEMIOL  
IN1, 1984--  
ALAN R. LISS  
NEW YORK UNITED STATES  
INDEXING BEGAN WITH V1N1, 1984.  
W1 GE201P 0741-0395  
G04577000 JTC: FMP  
ALAN R. LISS, 150 FIFTH AVENUE, NEW YORK  
NY 10011
- HLI JOURNAL OF PROFESSIONAL SERVICES MARKETING  
J PROF SERV MARK  
IN1-2, 1985-86  
HAWORTH PRESS  
NEW YORK UNITED STATES  
THIS TITLE IS NOT IN THE NLM COLLECTION.  
INDEXING BEGAN WITH V1N1-2, 1985-86.  
AHA 0748-4623  
SR0055385 JTC: JPS
- HLI HEALTH COST MANAGEMENT  
HEALTH COST MANAGE  
IN1, 1984--  
HEALTH COST MANAGEMENT  
PHILADELPHIA UNITED STATES  
INDEXING BEGAN WITH V2N1, JAN-FEB 1985.  
ON ORDER 0740-2406  
SR0055198 JTC: GAF  
HEALTH COST MANAGEMENT, THE AGENCY AT  
CENTRUM, 3624 MARKET ST., PHILADELPHIA  
PA 19104
- IM JOURNAL OF RECONSTRUCTIVE MICROSURGERY  
J RECONSTR MICROSURG  
IN1, JUL 1984--  
THIEME-STRATTON  
NEW YORK UNITED STATES  
INDEXING BEGAN WITH V1N1, 1984.  
W1 J0866H 0743-684X  
J36857000 JTC: JVX  
THIEME-STRATTON INC., 381 PARK AVENUE,  
NEW YORK NY 100016
- INI ISSUES IN LAW AND MEDICINE  
ISSUES LAW MED  
IN1, JUL 1985--  
NATIONAL LEGAL CENTER FOR THE MEDICALLY  
DEPENDENT AND DISABLED, AND THE HORATIO R.  
STORER FOUNDATION  
TERRE HAUTE IN UNITED STATES  
INDEXING BEGAN WITH V1N1, JUL 1985.  
IN PROCESS 8756-8160  
SR0054756 JTC: GYG
- IM MEDICAL ONCOLOGY AND TUMOR PHARMACOTHERAPY  
MED ONCOL TUMOR PHARMACOTHER  
IN1, 1984--  
PERGAMON PRESS  
OXFORD ENGLAND  
INDEXING BEGAN WITH V1N1, 1984.  
W1 ME408D 0736-0118  
M16417000 JTC: LSP



- IM NUTRITION AND HEALTH  
 NUTR HEALTH  
 1N1,1982--  
 A B ACADEMIC PUBLISHERS  
 BERKHAMSTED ENGLAND  
 ISSUES FOR V. 1, NO. 3/4, 1983?--  
 PUBLISHED IN ASSOCIATION WITH THE  
 MCCARRISON SOCIETY.  
 INDEXING BEGAN WITH V3N1,1984.  
 W1 NU863HL 0260-1061  
 N35775000 JTC: OBI  
 A B ACADEMIC PUBLISHERS,P.O. BOX  
 97,BERKHAMSTED,HERTS HP4 2PA,ENGLAND.
- IM OPHTHALMIC PAEDIATRICS AND GENETICS  
 OPHTHALMIC PAEDIATR GENET  
 1N1,NOV 1981--  
 AEOLUS PRESS  
 AMSTERDAM NETHERLANDS  
 OFFICIAL ORGAN OF THE INTERNATIONAL SOCIETY  
 FOR GENETIC EYE DISEASE, THE OPHTHALMIC  
 GENETICS STUDY CLUB, AND THE INTERNATIONAL  
 SOCIETY OF PAEDIATRIC OPHTHALMOLOGY.  
 INDEXING BEGAN WITH V4N1,1984.  
 W1 OP235R 0167-6784  
 007823000 JTC: OIS  
 AEOLUS PRESS,P.O. BOX 53078,1007 R B  
 AMSTERDAM,NETHERLANDS
- IM PEDIATRIC PULMONOLOGY  
 PEDIATR PULMONOL  
 1N1,JAN-FEB 1985--  
 SAUNDERS  
 PHILADELPHIA UNITED STATES  
 SUPPLEMENTS ACCOMPANY SOME ISSUES.  
 INDEXING BEGAN WITH V1N1,1985.  
 W1 PE2035 8755-6863  
 SR0054477 JTC: OWH
- IM PROGRESS IN NEURO-PSYCHOPHARMACOLOGY AND  
 BIOLOGICAL PSYCHIATRY. SUPPLEMENT  
 PROG NEUROPSYCHOPHARMACOL BIOL PSYCHIATRY  
 [SUPPL]  
 N1,1984--  
 PERGAMON PRESS  
 OXFORD ENGLAND  
 INDEXING BEGAN WITH N1,1984.  
 ON ORDER  
 SR0055232 JTC: PZ8
- IM RESEARCH ON AGING  
 RES AGING  
 1,MAR 1979--  
 SAGE  
 BEVERLY HILLS CA UNITED STATES  
 INDEXING BEGAN WITH V6N1,1984.  
 W1 RE232L 0164-0275  
 R23030000 JTC: R6C  
 SAGE PUBLICATIONS,275 S. BEVERLY  
 DR.,BEVERLY HILLS CA 90212
- IM SCANDINAVIAN JOURNAL OF PRIMARY HEALTH CARE  
 SCAND J PRIM HEALTH CARE  
 1N1,1983--  
 ALMQVIST AND WIKSELL  
 STOCKHOLM SWEDEN  
 INDEXING BEGAN WITH V1N1,1983.  
 W1 SC152D 0107-833X  
 S07750000 JTC: SIF  
 ALMQVIST AND WIKSELL,P.O.BOX 45  
 150,S-10430 STOCKHOLM SWEDEN
- IM SHENG LI HSUEH PAO. ACTA PHYSIOLOGICA SINICA  
 SHENG LI HSUEH PAO  
 19N1,1953--  
 SCIENCE PRESS  
 BEIJING CHINA  
 CONTINUES: THE CHINESE JOURNAL OF  
 PHYSIOLOGY. ISSUED 1927-44? BY CHUNG-KUO  
 SHENG LI KO HSUEH HUI. PART OF TITLE ON  
 MICROFILM. SUSPENDED V29N2,1966-V30,1978.  
 INDEXING BEGAN WITH V37N1,1985.  
 W1 SH287 0371-0874  
 S22480000 JTC: UPB
- IM SHIH YEN SHENG WU HSUEH PAO. ACTA  
 BIOLOGIAE EXPERIMENTALIS SINICA  
 SHIH YEN SHENG WU HSUEH PAO  
 1,1953--  
 SHANGHAI INSTITUTE OF CELL BIOLOGY  
 SHANGHAI CHINA  
 SUPERSEDES CHUNG KUO SHIH YEN SHENG WU  
 HSUEH TSA CHIH  
 INDEXING CEASED WITH V10N4,DEC 1965 AND  
 RESUMED WITH V18N1,1985.  
 W1 SH302W 0001-5334  
 S22640000 JTC: OCY
- HLI SOFTWARE IN HEALTHCARE  
 SOFTW HEALTHC  
 1N1,1983--  
 SOFTEK PUBLISHING  
 EL SEGUNDO CA UNITED STATES  
 VOL.1, NO.1 ALSO CALLED PREMIERE ISSUE.  
 INDEXING BEGAN WITH V3N1,1985.  
 IN PROCESS-PLS GIVE TO 0753-1621  
 MIMI  
 SR0053133 JTC: SIH
- IM WEI SHENG WU HSUEH PAO. ACTA MICROBIOLOGICA  
 SINICA  
 WEI SHENG WU HSUEH PAO  
 1,1953--  
 SCIENCE PRESS  
 BEIJING CHINA  
 SOME ISSUES LACK LATIN TITLE.  
 INDEXING BEGAN WITH V25N1,1985.  
 W1 WE237 0001-6209  
 W02620000 JTC: XNA

TITLE CHANGES, OCTOBER 1985

- |   |   |
|---|---|
| <p>HLI COMPENSATION AND BENEFITS REVIEW<br/>                     COMPENS BENEFITS REV<br/>                     17N3,JUL/AUG 1985--<br/>                     AMERICAN MANAGEMENT ASSOCIATION<br/>                     NEW YORK UNITED STATES<br/>                     CONTINUES: COMPENSATION REVIEW. THIS<br/>                     TITLE IS NOT IN THE NLM COLLECTION.<br/>                     AHA<br/>                     SR0055325 JTC: C0C</p>   | <p>HLI JOURNAL OF HOSPITAL SUPPLY, PROCESSING AND<br/>                     DISTRIBUTION<br/>                     J HOSP SUPPLY PROCESS DISTRIB<br/>                     1N1,1983-3N4,JUL/AUG 1985<br/>                     MAYWORM ASSOCIATES<br/>                     LIBERTYVILLE IL UNITED STATES<br/>                     RUNNING TITLE: JOURNAL HSPD. WITH:<br/>                     INDICATOR (SAINT PAUL, MINN.). CONTINUED<br/>                     BY: JOURNAL OF HEALTHCARE MATERIAL<br/>                     MANAGEMENT.<br/>                     W1 J0673UB 0738-2928<br/>                     J23305000 JTC: JAC</p> |
| <p>HLI COMPENSATION REVIEW<br/>                     COMPENS REV<br/>                     1,1969-17N2,MAY/JUN 1985<br/>                     AMERICAN MANAGEMENT ASSOCIATION<br/>                     NEW YORK UNITED STATES<br/>                     CONTINUED BY: COMPENSATION AND BENEFITS<br/>                     REVIEW. THIS TITLE IS NOT IN THE NLM<br/>                     COLLECTION.<br/>                     AHA 0010-4248<br/>                     C34040000 JTC: D0A</p>   | <p>IM PAEDIATRICIAN<br/>                     PAEDIATRICIAN<br/>                     1,1972/73-11,1985<br/>                     KARGER<br/>                     BASEL SWITZERLAND<br/>                     INTERNATIONAL COLLEGE OF PEDIATRICS. ALSO<br/>                     CALLED INTERNATIONAL JOURNAL FOR THE<br/>                     PEDIATRICIAN IN PRACTICE. CONTINUED BY:<br/>                     PEDIATRICIAN.<br/>                     BEGIN WITH V.7,N.1,1978<br/>                     W1 PA263S 0300-1245<br/>                     P00820000 JTC: OOT</p>   |
| <p>IDL EDUCATIONAL DIRECTIONS FOR DENTAL<br/>                     AUXILIARIES<br/>                     EDUC DIR DENT AUX<br/>                     1,1976-10N1,MAR 1985<br/>                     AMERICAN DENTAL HYGIENISTS ASSOCIATION<br/>                     CHICAGO UNITED STATES<br/>                     CALLED ALSO: EDUCATIONAL DIRECTIONS.<br/>                     CONTINUED BY: EDUCATIONAL DIRECTIONS IN<br/>                     DENTAL HYGIENE.<br/>                     W1 ED861 0363-3888<br/>                     E02360000 JTC: ED9</p> | <p>IM PATHOLOGY AND IMMUNOPATHOLOGY RESEARCH<br/>                     PATHOL IMMUNOPATHOL RES<br/>                     5,1986--<br/>                     KARGER<br/>                     BASEL SWITZERLAND<br/>                     CONTINUES: SURVEY AND SYNTHESIS OF<br/>                     PATHOLOGY RESEARCH.<br/>                     ON ORDER<br/>                     SR0055273 JTC: PIR</p>   |
| <p>IDL EDUCATIONAL DIRECTIONS IN DENTAL HYGIENE<br/>                     EDUC DIR DENT HYG<br/>                     10N2,JUN 1985--<br/>                     AMERICAN DENTAL HYGIENISTS ASSOCIATION<br/>                     CHICAGO UNITED STATES<br/>                     CONTINUES: EDUCATIONAL DIRECTIONS FOR<br/>                     DENTAL AUXILIARIES.<br/>                     IN PROCESS<br/>                     SR0055310 JTC: EDE</p>  | <p>IDL PREVENZIONE E ASSISTENZA DENTALE<br/>                     PREV ASSIST DENT<br/>                     1985--<br/>                     GRUPPO EDITORIALE CADMOS<br/>                     MILANO ITALY<br/>                     CONTINUES: PREVENZIONE STOMATOLOGICA.<br/>                     ON ORDER<br/>                     SR0055287 JTC: PEA</p>  |
| <p>IM IMMUNOLOGIC RESEARCH<br/>                     IMMUNOL RES<br/>                     1986--<br/>                     KARGER<br/>                     BASEL SWITZERLAND<br/>                     CONTINUES: SURVEY OF IMMUNOLOGIC RESEARCH.<br/>                     ON ORDER<br/>                     SR0055272 JTC: IMR</p>  | <p>IDL PREVENZIONE STOMATOLOGICA<br/>                     PREV STOMATOL<br/>                     1,1975-10,1984?<br/>                     GRUPPO EDITORIALE CADMOS<br/>                     MILANO ITALY<br/>                     CONTINUED BY: PREVENZIONE E ASSISTENZA<br/>                     DENTALE.<br/>                     W1 PR508 0390-1030<br/>                     P24420000 JTC: PM3</p>  |
| <p>HLI JOURNAL OF HEALTHCARE MATERIAL MANAGEMENT<br/>                     J HEALTHC MATER MANAGE<br/>                     3N5,SEP/OCT 1985--<br/>                     MAYWORM ASSOCIATES<br/>                     LIBERTYVILLE IL UNITED STATES<br/>                     CONTINUES: JOURNAL OF HOSPITAL SUPPLY,<br/>                     PROCESSING AND DISTRIBUTION.<br/>                     IN PROCESS 0738-2928<br/>                     SR0055179 JTC: I9L</p>   |   |

<p>IM SURVEY OF IMMUNOLOGIC RESEARCH                  SURV IMMUNOL RES                  IN1,MAR 1982-4,1985                  KARGER                  BASEL SWITZERLAND                  CONTINUED BY: IMMUNOLOGIC RESEARCH.                  INDEXING BEGAN WITH V1N1,1982.                  W1 SU921H 0252-9564                  S49095000 JTC: SIR</p>	<p>IM SURVEY AND SYNTHESIS OF PATHOLOGY RESEARCH                  SURV SYNTH PATHOL RES                  IN1-2,1983-4,1985                  KARGER                  BASEL SWITZERLAND                  CONTINUED BY: PATHOLOGY AND                  IMMUNOPATHOLOGY RESEARCH.                  INDEXING BEGAN WITH V3N1,1984.                  W1 SU918 0253-438X                  S49257000 JTC: SUS</p>
--	---

TITLES NO LONGER INDEXED, OCTOBER 1985

<p>IM ARCHIVIO DI OSTETRICIA E GINECOLOGIA                  ARCH OSTET GINECOL                  NS44,1937-87N5-6,1982                  UNIVERSITA DI NAPOLI. CLINICA OSTETRICA E                  GINECOLOGIA                  NAPOLI ITALY                  VOL. NUMBERING IRREGULAR.                  W1 AR547 0004-0126                  A62880000 JTC: 862</p>	<p>IDL JOURNAL OF THE BALTIMORE COLLEGE OF DENTAL                  SURGERY                  J BALTIMORE COLL DENT SURG                  1,1937-37N1,JUL 1985                  UNIVERSITY OF MARYLAND. SCHOOL OF DENTISTRY                  BALTIMORE UNITED STATES                  PUBLICATION SUSPENDED JAN. 1948-APR. 1951                  W1 JO913F 0067-3072                  J13920000 JTC: HHB</p>
<p>HLI BIOMEDICAL COMMUNICATIONS                  BIOMED COMMUN                  1,1973-12N5,OCT 1984                  UNITED BUSINESS PUBLICATIONS                  NEW YORK UNITED STATES                  W1 BI854D 0092-8607                  B18140000 JTC: A4Y</p>	<p>IM JOURNAL OF CRANIOFACIAL GENETICS AND                  DEVELOPMENTAL BIOLOGY. SUPPLEMENT                  J CRANIOFAC GENET DEV BIOL [SUPPL]                  1,1985                  ALAN R. LISS                  NEW YORK UNITED STATES                  INDEXING BEGAN WITH N1,1985.                  W1 JO602TA                  SR0054946 JTC: IAB</p>
<p>IM CELLULE                  CELLULE                  1,1884-73N3,1981-82?                  VANDER PUBLISHERS                  LOUVAIN BELGIUM                  W1 CE13 0008-8757                  C10960000 JTC: CQB</p>	<p>INI NURSING CAREERS                  NURS CAREERS                  IN1,JUN 1980-3N6,1982?                  NURSING CAREERS                  ENCINO CA UNITED STATES                  CONTINUES: CE FOCUS.                  W1 NU586N 0273-7124                  N34737000 JTC: OCT</p>
<p>HLI CONSUMER HEALTH PERSPECTIVES                  CONSUM HEALTH PERSPECT                  5,APR,1978-9N5,SEP 1983                  CONSUMER COMMISSION ON THE ACCREDITATION OF                  HEALTH SERVICES                  NEW YORK UNITED STATES                  FORMED BY THE UNION OF HEALTH PERSPECTIVES                  AND QUARTERLY - CONSUMER COMMISSION ON THE                  ACCREDITATION OF HEALTH SERVICES.                  W1 CO755H 0191-3921                  C46180000 JTC: DPT</p>	

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES, OCTOBER 1985

The following substantive serial titles were received or ordered by the Serial Records Section. Titles indexed for MEDLINE, HEALTH, and POPLINE are listed in the "INDEXED TITLES UPDATE" section. Please include the NLM Call number on interlibrary loan requests. Of course, NLM cannot fill

loans for titles not yet received by the Library. The list is offered as an early announcement and will include price information if known. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

ALZHEIMER DISEASE AND ASSOCIATED DISORDERS  
1,1986--  
ALLEN PRESS  
LAWRENCE KS UNITED STATES  
ON ORDER  
SR0055260 \$75.00

BINOCULAR VISION  
1N1,1985--  
BINOCULUS  
GAINESVILLE FL UNITED STATES  
IN PROCESS  
SR0055168 \$65.00  
BINOCULUS, 2500 N.W. 23RD TERRACE,  
GAINESVILLE FL 32605

CANADIAN CRITICAL CARE NURSING JOURNAL  
1N1,SEP 1984--  
HEALTH MEDIA  
TORONTO CANADA  
ON ORDER  
SR0055386 \$15.00

CLINICAL ASPECTS OF PERINATAL MEDICINE  
1,1985--  
MACMILLAN  
NEW YORK UNITED STATES  
CATALOGING IN PUBLICATION.  
IN PROCESS  
SR0051358  
MANAGING EDITOR, JSET, UMC 68, UTAH  
STATE UNIVERSITY, LOGAN UT 84322

CLINICAL MATERIALS  
1,1986--  
CAMBRIDGE UNIVERSITY PRESS  
CAMBRIDGE ENGLAND  
ON ORDER  
SR0055397 \$95.00

DEVELOPMENTAL CLINICAL PSYCHOLOGY AND  
PSYCHIATRY  
1,1985--  
SAGE PUBLICATIONS  
BEVERLY HILLS CA UNITED STATES  
IN PROCESS  
SR0055199  
SAGE PUBLICATIONS, 275 SOUTH BEVERLY  
DRIVE, BEVERLY HILLS CA 90212

GERIATRIC OPHTHALMOLOGY  
1N1,JUN-JUL 1985--  
BARRINGTON PUBLICATIONS  
LOS ANGELES UNITED STATES  
IN PROCESS  
SR0055311  
BARRINGTON PUBLICATIONS,825 S.  
BARRINGTON AVENUE,LOS ANGELES CA 90049

GLYCOCONJUGATE JOURNAL  
1,1984--  
GLYCOCONJUGATE JOURNAL  
LUND SWEDEN  
IN PROCESS  
SR0055276 \$190.00  
GLYCOCONJUGATE JOURNAL,BOX 5127,S-220 05  
LUND,SWEDEN

GUTHRIE JOURNAL  
55N1,SUMMER 1985--  
DONALD GUTHRIE FOUNDATION FOR MEDICAL  
RESEARCH  
SAYRE PA UNITED STATES  
CONTINUES: GUTHRIE BULLETIN.  
IN PROCESS  
SR0055316  
THE DONALD GUTHRIE FOUNDATION FOR  
MEDICAL RESEARCH,GUTHRIE SQUARE,SAYRE PA  
18840

HAROKHUT BEISRAEL  
25N1,JUN 1985--  
PHARMACEUTICAL ASSOCIATION OF ISRAEL  
TEL-AVIV ISRAEL  
CONTINUES: HAROKEACH HAIVRI.  
IN PROCESS  
SR0055251  
PHARMACEUTICAL ASSOCIATION OF ISRAEL, 6  
ROTHSCHILD BLVD.,TEL AVIV ISRAEL

HAWKEYE OSTEOPATHIC JOURNAL  
1,1983?--  
IOWA OSTEOPATHIC MEDICAL ASSOCIATION  
DES MOINES IA UNITED STATES  
IN PROCESS  
SR0055275  
IOWA OSTEOPATHIC MEDICAL ASSOCIATION,508  
10TH ST SUITE 300,DES MOINES IA 50309

HEALTH EDUCATION RESEARCH: THEORY AND  
PRACTICE  
1,1986--  
IRL PRESS  
LONDON ENGLAND  
ON ORDER  
SR0055398 \$97.50

HEALTH POLICY AND PLANNING  
1N1,APR 1986--  
OXFORD UNIVERSITY PRESS  
OXFORD ENGLAND  
ON ORDER  
SR0055399 \$85.00

HEALTH PROMOTION 1,1986-- OXFORD UNIVERSITY PRESS OXFORD ENGLAND ON ORDER SR0055400 \$85.00	JOURNAL OF HYPERBARIC MEDICINE 1,1986-- UNDERSEA MEDICAL SOCIETY BETHESDA MD UNITED STATES CONTINUES: HYPERBARIC OXYGEN REVIEW. ON ORDER - TITLECHANGE SR0055230
HUMAN PARASITIC DISEASES 1,1985-- ELSEVIER AMSTERDAM NETHERLANDS CATALOGING IN PUBLICATION. ON ORDER - CIP SR0055341	JOURNAL OF INTENSIVE CARE MEDICINE 1,1986-- LITTLE, BROWN BOSTON UNITED STATES ON ORDER SR0055233 LITTLE, BROWN AND COMPANY, 34 BEACON ST., BOSTON MA 02106
IMAGE UNDERSTANDING 1,1984-- ABLEX PUBLISHING CORPORATION NORWOOD NJ UNITED STATES IN PROCESS SR0055328 ABLEX PUBLISHING CORPORATION, 355 CHESTNUT STREET, NORWOOD NJ 07648	JOURNAL OF PSYCHOPATHOLOGY AND BEHAVIORAL ASSESSMENT 1986-- PLENUM PRESS NEW YORK UNITED STATES CONTINUES: JOURNAL OF BEHAVIORAL ASSESSMENT. ON ORDER SR0055177
INTERNATIONAL MONOGRAPHS ON OBESITY SERIES 1ST, 1985-- JOHN LIBBEY LONDON ENGLAND IN PROCESS SR0055213 JOHN LIBBEY AND COMPANY LIMITED, 80/84 BONDWAY, LONDON SW8 1SF, ENGLAND	JOURNAL OF THORACIC IMAGING 1,1985-- ASPEN SYSTEMS CORPORATION GAITHERSBURG MD UNITED STATES ON ORDER SR0055190 \$75.00 ASPEN SYSTEMS CORP, BOX 6018, GAITHERSBURG MD 20877
JAPANESE JOURNAL OF RHEUMATOLOGY 1,1985-- VNU SCIENCE PRESS UTRECHT NETHERLANDS ON ORDER SR0055265 \$278.10 VNU SCIENCE PRESS, UTRECHT, NETHERLANDS	LABORATORY SCIENCE AND TECHNOLOGY 1,1985-- MORGAN-GRAMPIAN LTD. LONDON ENGLAND ON ORDER SR0055286 \$0.40 MRS. JEANNE HENDERSON, MORGAN-GRAMPIAN PLC, 40 BERESFORD ST., LONDON SE186BQ, ENGLAND
JOURNAL OF THE ASSOCIATION OF CHILDRENS PROSTHETIC-ORTHOTIC CLINICS 20N3, AUTUMN 1985-- ASSOCIATION OF CHILDRENS PROSTHETIC-ORTHOTIC CLINICS NEW YORK UNITED STATES CONTINUES: ICIB; INTER-CLINIC INFORMATION BULLETIN. IN PROCESS SR0055318 ASSOCIATION OF CHILDREN'S PROSTHETIC-ORTHOTIC CLINICS, 317 EAST 34TH STREET 10TH FLOOR, NEW YORK NY 10016	MEDICAL TOXICOLOGY 1,1986-- ADIS PRESS NEWTOWN PA UNITED STATES ON ORDER SR0055227 \$125.00 ADIS PRESS, 401 SOUTH STATE STREET, NEWTON PA 18940
JOURNAL OF GENERAL INTERNAL MEDICINE 1,1986-- HANLEY AND BELFUS PHILADELPHIA UNITED STATES ON ORDER SR0055345 \$70.00 HANLEY AND BELFUS INC., 210 SOUTH 13TH STREET, PHILADELPHIA PA 19107	MICROBIAL PATHOGENESIS 1,1986-- ACADEMIC PRESS LONDON ENGLAND ON ORDER SR0055304 \$120.00

NUTRITION IN CLINICAL PRACTICE  
 JAN 1986?--  
 WILLIAMS AND WILKINS  
 BALTIMORE UNITED STATES  
 ON ORDER  
 SR0055240  
 WILLIAMS AND WILKINS,428 E. PRESTON  
 ST.,BALTIMORE MD 21202

OUTPATIENT SURGERY  
 IN1,JAN 1986--  
 HANLEY AND BELFUS  
 PHILADELPHIA UNITED STATES  
 ON ORDER  
 SR0055349 \$56.00  
 HANLEY AND BELFUS INC.,210 SOUTH 13TH  
 STREET,PHILADELPHIA PA 19107

PAIN CLINIC  
 1,1985--  
 VNU SCIENCE PRESS  
 UTRECHT NETHERLANDS  
 ON ORDER  
 SR0055203 \$278.10

PERFUSION  
 JAN 1986--  
 EDWARD ARNOLD  
 BERKS ENGLAND  
 ON ORDER  
 SR0055382

PSYCHOLOGY AND AGING  
 MAR,1986--  
 AMERICAN PSYCHOLOGICAL ASSOCIATION  
 WASHINGTON UNITED STATES  
 ON ORDER  
 SR0055237 \$80.00  
 APA,1400 N.UHLE ST.,ARLINGTON VA 22201

PSYCHOTROPES  
 1,1983--  
 MONTREAL CANADA  
 ON ORDER  
 SR0055396 \$25.00

REHABILITATION REPORT  
 IN1,SEP 1985--  
 HANLEY AND BELFUS  
 PHILADELPHIA UNITED STATES  
 ON ORDER  
 SR0055357 \$48.00  
 HANLEY AND BELFUS INC.,210 SOUTH 13TH  
 STREET, PHILADELPHIA PA 19107

SPORT SEARCH  
 1,1985--  
 HUMAN KINETICS  
 CHAMPAIGN IL UNITED STATES  
 ON ORDER  
 SR0055228 \$60.00  
 HUMAN KINETICS PUBLISHER,BOX  
 5076,CHAMPAIGN IL 61820

STATE OF THE ART REVIEWS: NEUROSURGERY  
 IN1,1986--  
 HANLEY AND BELFUS  
 PHILADELPHIA UNITED STATES  
 ON ORDER  
 SR0055359 \$56.00  
 HANLEY AND BELFUS INC.,210 SOUTH 13TH  
 STREET,PHILADELPHIA PA 19107

STATE OF THE ARTS REVIEWS: OCCUPATIONAL  
 MEDICINE  
 1,1986--  
 HANLEY AND BELFUS  
 PHILADELPHIA UNITED STATES  
 ON ORDER  
 SR0055366 \$48.00  
 HANLEY AND BELFUS INC.,210 SOUTH 13TH,  
 PHILADELPHIA PA 19107

STATE OF THE ART REVIEWS: PHYSICAL  
 MEDICINE AND REHABILITATION  
 IN1,1986--  
 HANLEY AND BELFUS  
 PHILADELPHIA UNITED STATES  
 ON ORDER  
 SR0055368 \$48.00  
 HANLEY AND BELFUS INC.,210 SOUTH 13TH  
 STREET,PHILADELPHIA PA 19107

STATE OF THE ART REVIEWS: SPINE  
 IN1,1986--  
 HANLEY AND BELFUS  
 PHILADELPHIA UNITED STATES  
 ON ORDER  
 SR0055369 \$56.00  
 HANLEY AND BELFUS INC.,210 SOUTH 13TH  
 STREET, PHILADELPHIA PA 19107

STATES OF THE ARTS REVIEWS: PROCEDURES  
 IN1,JAN 1986--  
 HANLEY AND BELFUS  
 PHILADELPHIA UNITED STATES  
 ON ORDER  
 SR0055372 \$60.00  
 HANLEY AND BELFUS INC., 210 SOUTH 13TH  
 STREET,PHILADELPHIA PA 19107

S.T.P. PHARMA  
 NI,JAN 1985--  
 SOCIETE FRANCAISE DES SCIENCES ET  
 TECHNIQUES PHARMACEUTIQUES  
 PARIS FRANCE  
 FORMED BY THE UNION OF: LABO-PHARMA AND:  
 SCIENCES ET TECHNIQUES PHARMACEUTIQUES.  
 IN PROCESS  
 SR0055160  
 S.E.S.T.P., 9 RUE DE LA MONTAGNE  
 SAINT-GENEVIEVE, 75007 PARIS FRANCE

Date: \_\_\_\_\_

NLM ONLINE TRAINING APPLICATION

TRAINEE: \_\_\_\_\_ TELEPHONE: ( ) \_\_\_\_\_ ext. \_\_\_\_\_

ORGANIZATION:  
NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

ONLINE STATUS: \_\_\_\_\_ NEW CODE \_\_\_\_\_ EXISTING CODE (Code = \_ \_ \_ \_ \_)

AUTHORIZED BY: \_\_\_\_\_ ( ) \_\_\_\_\_ / /  
Name/Title Telephone Date

+++++  
TRAINEE INFORMATION

1. Reason for Training: (check one)  
\_\_\_\_\_ Primary Searcher \_\_\_\_\_ Secondary/Backup Searcher  
\_\_\_\_\_ Replacing Primary Searcher \_\_\_\_\_ Other: \_\_\_\_\_

2. Online Training Courses Attended (Include dates & check all that apply)  
a. \_\_\_\_\_ NLM INITIAL TRAINING  
b. \_\_\_\_\_ HEALTH PROFESSIONAL TRAINING  
c. \_\_\_\_\_ SIS SHORT COURSE  
d. \_\_\_\_\_ OTHER (Please specify) \_\_\_\_\_

3. Previous Experience with NLM Online Databases (Specify approximate connect hours used per month):  
\_\_\_\_\_ MEDLINE \_\_\_\_\_ HEALTH PDQ  
\_\_\_\_\_ TOXLINE \_\_\_\_\_ CANCERLIT \_\_\_\_\_ OTHERS: \_\_\_\_\_

4. Experience with Other Online Systems (Specify approximate connect hours used):  
\_\_\_\_\_ Bibliographic Retrieval Service (BRS)  
\_\_\_\_\_ DIALOG Retrieval Service  
\_\_\_\_\_ Systems Development Corporation (SDC)  
\_\_\_\_\_ Others (Specify: \_\_\_\_\_)

+++++  
\*\*\*CONTINUE ON BACK SIDE OF FORM\*\*\*

\*\*\*\*\*  
\* RETURN COMPLETED FORM TO: \*  
\* \* \* \* \*  
\* Online Training Classes \*  
\* MEDLARS Management Section \*  
\* National Library of Medicine \*  
\* 8600 Rockville Pike \*  
\* Bethesda, Maryland 20894 \*  
\*\*\*\*\*







National Institutes of Health  
National Library of Medicine  
Bethesda MD 20209

November 14, 1985

Dear Domestic MEDLARS User:

This is to notify you that on January 1, 1986, the pricing structure of CHEMLINE and TOXLINE will be modified in response to changes in the 1986 royalty rates charged by the suppliers of proprietary data for these files (Chemical Abstracts Service (CAS), American Society for Hospital Pharmacists (ASHP), BioSciences Information Service (BIOSIS)).

To reflect these changes, the NLM Online Pricing Algorithm has been updated in the Connect Charge and Citation Charge components. Based on past experience, we estimate that the approximate average hourly rate in Prime Time for CHEMLINE will be \$67, and that for TOXLINE will be \$95. An individual's average hourly rate will vary, of course, based on actual resources used.

Please see table I on the reverse side of this letter for the new NLM rates for the six components of the online algorithm. Additionally, note that offline page charges and TOXLINE Automatic SDI rates have changed due to royalty charges. NLM did not increase any of its component charges for these files other than royalties. For your information, table II gives a further breakdown of changes in royalties by supplier of information.

Sincerely yours,

Lois Ann Colaianni  
Associate Director  
Library Operations

Henry M. Kissman, Ph.D.  
Associate Director  
Specialized Information Services.

(over)

TABLE I  
New NLM Rates for CHEMLINE and TOXLINE  
January 1, 1986

ONLINE PRICING ALGORITHM

Files	Connect Charge (Per Hour)		Search Statement Charge	Citation Charge	Interaction Charge (Carriage Returns)	Computer Resources (Disk Accesses) (Per 100)		Character Charge (Per 1,000)	
	Non-Prime	Prime				Non-Prime	Prime	Non-Prime	Prime
CHEMLINE	\$48.50*	\$51.25*	\$ .01	\$ .10*	\$ .01	\$ .06	\$ .12	\$ .08	\$ .12
TOXLINE & BACKFILES	\$62.60**	\$65.35**	\$ .01	\$ .09**	\$ .01	\$ .06	\$ .12	\$ .08	\$ .12

\* Includes Royalty Charges of \$44.00 Per Connect Charge and \$0.09 Per Citation Charge for CHEMLINE  
 \*\* Includes Royalty Charges of \$58.10 Per Connect Charge and \$0.08 Per Citation Charge for TOXLINE and its Backfiles.

OFFLINE PROCESSING RATES

Pages

CHEMLINE	\$0.66	(Includes \$0.48 Royalty Charge)
TOXLINE	\$0.57	(Includes \$0.39 Royalty Charge)

AUTOMATIC SDI SEARCHES

TOXLINE	\$3.00	Per search (Includes \$2.00 Royalty Charge)
---------	--------	---

TABLE II  
1985-6 Online Royalties by Supplier  
For CHEMLINE and TOXLINE

		TOXLINE		CHEMLINE	
		Connect Charge	Citation Charge	Connect Charge	Citation Charge
CAS	1985	\$31.00	\$0.077*	\$31.00	\$0.075
	1986	44.00	0.068*	44.00	0.092
ASHP	1985	5.00	---	---	---
	1986	10.00	0.006*	---	---
BIOSIS	1985	3.00	0.010*	---	---
	1986**	4.10	0.011*	---	---

\* Based on projected online print patterns  
 \*\* Expanded coverage in 1986

# The NLM Technical Bulletin

ISSN 0146-3055

DECEMBER 1985

No. 200

## In This Issue:

- Amendments To The Tape  
And Subset License Agreements 1
- PDQ Version 2 5
- Improving Selectivity In  
CANCERLIT Searching:  
The New CANCERGRAM Field 6
- Assigning Title Abbreviations  
In SERLINE: Change In Policy 9
- DOT Emergency Guidelines  
In TOXNET's HSDB File 10
- Monthly Search Hint:*  
Multi-Meaning Messages 14
- Attachment: Amendments To Tape And  
Subset License Agreements
- Enclosure: Highlights of PDQ Version 2

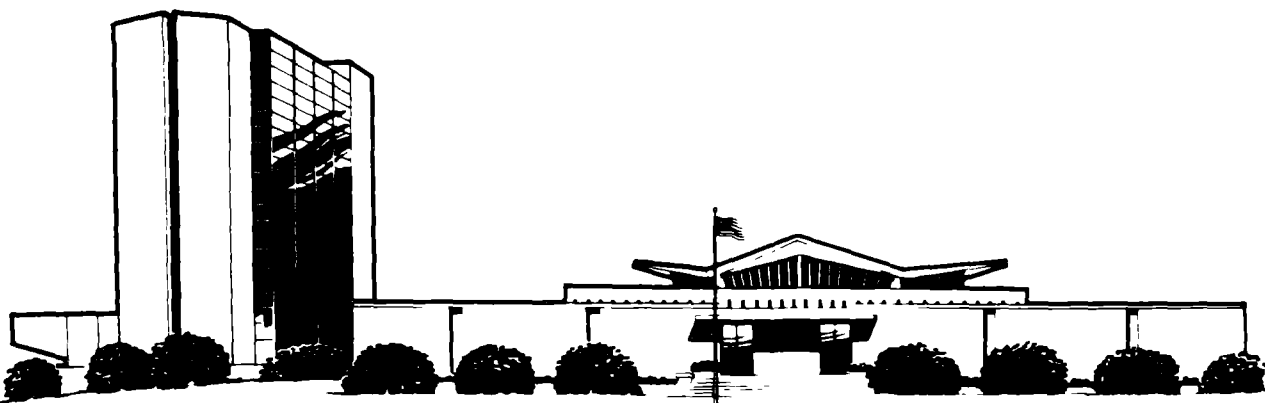
## Regular Features:

- Databases 2  
Technical Notes 3  
Serials Update 19

## Amendments To The Tape And Subset License Agreements

Lois Ann Colaianni  
Associate Director For Library Operations, NLM

Attached at the back of this issue of the NLM Technical Bulletin are amendments that replace existing Section 5.c in the Tape and Section 5.b in the Subset License Agreements. These amendments authorize Licensees, subject to the restrictions in the Licenses, to provide information services and/or products resulting from the use of the National Library of Medicine's publically available databases to users in the United States, its Territories or Possessions, and to users in countries outside the United States. □



DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
(ELHILL SYSTEM)				
AVLINE	14,207	THROUGH 1985	12 DEC 85	
BIOETHICS	19,152	JAN 73-1985	09 OCT 85	8510(EM)
CANCERLIT	494,892	JAN 63-DEC 85	07 DEC 85	8512(EM)
CANCERPROJ	7,067	THROUGH 1985	03 OCT 85	8510(EM)
CATLINE	597,751	THROUGH 1985	12 DEC 85	
CHEMLINE	659,570		17 DEC 85	8512(EM)
CLINPROT	5,163		25 NOV 85	8511(EM)
DIRLINE	15,168		24 SEP 85	
HEALTH	330,357	JAN 75-JAN 86	07 DEC 85	8601(EM)
HISTLINE	69,714		14 DEC 85	8512(EM)
MEDLINE	480,544	JAN 84-JAN 86	07 DEC 85	8601(EM)
MED83	206,637	JAN 83-DEC 83	07 DEC 85	
MED80	804,796	JAN 80-DEC 82	07 DEC 85	
MED77	775,069	JAN 77-DEC 79	07 DEC 85	
MED75	642,694	JAN 75-DEC 76	07 DEC 85	
MED71	883,467	JAN 71-DEC 74	07 DEC 85	
MED66	954,613	JAN 66-DEC 70	07 DEC 85	
MESH VOC	55,685	1986	07 DEC 85	
NAME AUTH	189,880		14 DEC 85	
POPLINE	143,018	1970-NOV 85	09 NOV 85	8511(EM)
RTECS	78,454	THROUGH OCT 85	23 NOV 85	
SDILINE	25,167	JAN 86	07 DEC 85	8601(EM)
SERLINE	66,192	1985	07 OCT 85	
TOXLINE	686,145		14 DEC 85	8512(EM)
CBAC	388,395	1981-VOL 103(10,11)		
TOXBIB	145,111	1981-JAN 86		
IPA (ASHP)	32,944	1981 VOL 22(23)		
BIOSIS	14,198	NOV 1985		
HEEP	49,788	1981-VOL 14(8)		
PESTAB	1,536	1981		
EMIC	8,899	1981-DEC 1984		
ETIC	10,906	1981-DEC 1985		
TD3	19,316	1981-GRA&I 85(18,19,20,21)		
HMTC	1,481	1981-JUN 1985		
ILO	3,983	JUL 1985		
RPROJ/CRISP	10,016	FISCAL YEARS 1983 & 1984		
TOXBACK76	555,808		27 AUG 84	
CBAC	298,383	1976-1980		
TOXBIB	106,643	1976-1980		
IPA(ASHP)	33,321	1976-1980		
HEEP	63,796	1976-1980		
PESTAB	14,757	1976-1980		
EMIC	17,267	1976-1980		
ETIC	11,970	1976-1980		
TD3	9,671	1976-1980		
TOXBACK65	598,424		27 AUG 84	
CBAC	287,992	1965-1975		
TOXBIB	155,387	1965-1975		
IPA(ASHP)	33,876	1969-1975		
HEEP	54,075	1970-1975		
HAPAB/PESTAB	18,416	1968-1975		
EMIC	19,554	1950-1975		
ETIC	13,694	1950-1975		
TD3	839	PRE-1965-1975		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1975		
(TOXNET SYSTEM)				
TDB	4,139		01 OCT 85	
HSDB	4,139		22 NOV 85	

Editor: Carolyn B. Tilley  
 Assistant Editor: T. Scott Plutchak  
 Technical Notes Editor: Patricia E. Healy

(301) 496-6103

Direct Inquiries to:  
 MEDLARS Management Section  
 National Library of Medicine  
 Bldg. 38A, Rm. 4N421  
 Bethesda, Maryland 20894

## Technical Notes

Whenever applicable, the heading of each Technical Note includes a reference to the section of the Online Services Reference Manual, 1982 and Supplement, 1984 that is considered most relevant to the item being discussed, e.g., (Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual as well.

<u>Database</u>	<u>Coverage</u>	
MEDLINE	1984 forward	
MED83	1983	
MED80	1980-1982	
MED77	1977-1979	
MED75	1975-1976	
MED71	1971-1974	
MED66	1966-1970	□

### MARTIN LUTHER KING'S BIRTHDAY HOLIDAY SCHEDULE

The NLM computer will be up on a guaranteed basis on Monday, January 20, 1986, the day of the federal government's observance of Martin Luther King's birthday. Non-prime rates will be in effect all day and the MEDLARS® Management Service Desk will not be staffed. On Martin Luther King's birthday, Wednesday, January 15, 1986, the NLM computer will be up and the MMS Service Desk staffed. Regular rates will be in effect all day. Please see the October 1985 NLM Technical Bulletin, Appendix D, for the complete 1986 holiday schedule. □

### EXTENDED PDQ HOURS

As of January 1986, PDQ (Physician Data Query) will be available on the same schedule as MEDLINE: 24 hours a day, 7 days a week (with the exception of 11:00 pm to 11:15 pm Eastern Time (ET), when the system will be taken down for scheduled processing). Weekend service will be provided on a non-guaranteed basis from 5:00 pm Saturday to 11:00 pm Sunday ET. Should a system failure occur during that time, PDQ will generally not be restarted until midnight Sunday. □

### MEDLINE & BACKFILES 1986

Reminder: Effective December 9, 1985, citations with 1983 or earlier years of publication, as well as any citations with a Date of Entry (DA) less than or equal to 831028, were dropped from the MEDLINE database and added to the MED83 Backfile. MEDLINE is now a two-growing-to-three-year file containing citations primarily from 1984 forward. The MED83 Backfile has citations primarily from the year of publication 1983. Present software and technology being used by NLM preclude placing 1983 citations in an existing Backfile because of computer indexing and postings limits. The MEDLINE and Backfiles primary years of coverage are:

### ERRATA TO 1986 MESH

Please make the following tree number change to your 1986 Medical Subject Headings--Annotated Alphabetic List and the 1986 Medical Subject Headings--Tree Structures:

Tree Number for the term BONE WIRES

Annotated MeSH p. 99

Change E7.858.422.660.983  
to E7.858.442.660.383

Tree Structures p. 353

Change E7.858.422.660.983  
to E7.858.442.660.383

1986 MESH CHEMICAL TOOL

The Medical Subject Headings--  
Supplementary Chemical Records, 1986  
may now be ordered from the National  
Technical Information Service (NTIS).  
(Publication is scheduled for late  
January or February.) The publication  
number is PB86-122512/GBB and the  
prices for the hardcopy and microfilm  
versions are as follows:

	<u>U.S./Canadian Price</u>	<u>Foreign Price</u>
Hardcopy	\$27.00	\$54.00
Microfiche	\$13.50	\$27.00

(There is a \$3.00 shipping and  
handling charge required for each  
order.)

Please send remittance with orders to:

NTIS  
5285 Port Royal Road

Springfield, Virginia 22161  
(703) 487-4650 (for telephone orders  
with deposit account or credit card)

This edition of the chemical tool  
supersedes the 1985 publication and  
contains records of approximately  
23,000 chemicals which have been  
mentioned in a significant way in  
journal articles indexed for MEDLINE  
since 1970. The publication is  
intended as an aid to indexers and  
users of Index Medicus and MEDLINE.  
It is also useful when searching the  
various cancer databases. □

PDQ ENCLOSURE

A brief guide to Highlights of PDQ  
Version 2 is enclosed with this issue.  
For more information, see the article  
"PDQ Version 2" of page 5 of this  
issue. □

*Please access FILE INFORM and type NEWS to see the most recent news item online!*

## PDQ Version 2

Jane L. Bryant  
National Cancer Institute and  
MEDLARS Management Section, NLM

The new "Version 2" of user-friendly PDQ (Physician Data Query) became available on the MEDLARS system in December. In most respects, the basic concepts of searching the system are not significantly altered. Most changes and improvements take the form of new options and enhancements available to searchers. The actual contents of the database have not changed.

The user-friendly version of PDQ was originally intended to be accessed directly by practicing physicians to obtain state-of-the-art cancer treatment information. Since the majority of the intended users of PDQ are not experts in database searching techniques, the overall system design remains menu-based.

However, it has become apparent that PDQ is also being used by many medical librarians and other database searching professionals. These persons have found the menu-driven system to be cumbersome and slow for

their searching purposes. In order to better accommodate these users and also to assist those physicians who are becoming more proficient in searching PDQ, several enhancements and searching "shortcuts" have been added with the new version of PDQ.

These enhancements include the ability to "stack" commands for many successive screens, thus eliminating the need to display many of the menu screens. It is also possible at many points in PDQ to input more than one choice or entry at a single user cue as a search selection. These multiple selections may be numbered items from particular menus, (e.g., phases in the Protocol File), or search terms that one is prompted to type (e.g., city names in the Physician File).

A revised PDQ User Guide describing the new system was mailed to all PDQ users in early December. This was accompanied by Highlights of PDQ Version 2, a summary document of the changes and enhancements included in the new PDQ. A copy of the Highlights of PDQ Version 2 is also included as a supplement to this Technical Bulletin. Additional copies of either of these publications may be requested from the MEDLARS Management Section of the National Library of Medicine. □

## Improving Selectivity In CANCERLIT Searching: The New CANCERGRAM Field

Jane L. Bryant  
National Cancer Institute and  
MEDLARS Management Section, NLM

Dianne Tingley  
National Cancer Institute

The 1986 CANCERLIT file, scheduled to be available in mid-January, will contain a CANCERGRAM Identifier (CG) field. This new field will make it possible to identify records in the CANCERLIT database that have been included in one or more CANCERGRAMS.

CANCERGRAMS are monthly current-awareness bulletins of the National Cancer Institute (NCI) containing selected abstracts which collectively cover all aspects of cancer research. They contain only the most significant and subject-relevant abstracts selected from updates to the CANCERLIT database by scientists who are researchers in each topic area. Each month approximately 4,000 new abstracts are screened for inclusion in the over 60 different series of CANCERGRAMS. Each CANCERGRAM covers a different topic/subject specialty area. These are grouped within the broad areas of cancer diagnosis and therapy, carcinogenesis, and basic cancer biology.

These CANCERGRAMS are prepared by active cancer researchers and information scientists at two Cancer Information Dissemination and Analysis Centers (CIDACS) sponsored by the NCI. As such, they achieve a peer-reviewed distillation of information that averages about 33% of the initial output of a broad CANCERLIT search in a given subject area.

It is possible to identify records in the CANCERLIT database that have been selected for one or more CANCERGRAMS. These records have values in the CANCERGRAM Identifier (CG) field indicating the series and the issue for all CANCERGRAMS in which a particular abstract has appeared. Approximately one-third of the database records carry one or more CG entries.

The CANCERGRAM Identifier field thus permits the searcher to selectively limit retrieval to high-quality, high-relevancy items in specific subject areas. Although CANCERGRAMS are published monthly, the CG field can only be updated on an annual basis coincident with CANCERLIT regeneration. Thus the 1986 CANCERLIT file will reflect CANCERGRAM selections from late 1978 through approximately the end of 1985, and no new CG tags will be added for 1986 selections until the next regeneration at year end.

The format of this field is CXNN/Yymm. The first portion of the field (before the slash) identifies the particular CANCERGRAM series. Each of the CANCERGRAM series is identified by a four-character alphanumeric string in the format CBNN, CKNN, or CTNN. The second portion of the field identifies the particular CANCERGRAM issue in the form Yymm. Thus, the August 1985 issue of a particular CANCERGRAM series (e.g., CK12) would be identified as CK12/8508 (CG). A listing of the specific CANCERGRAM titles and corresponding CG Identifier tags is included at the end of this article as Figure 1.

All records tagged to any CANCERGRAM series/issue will have an additional occurrence of the CANCERGRAM Identifier field containing the value



"CANCERGRAM". This value may be used to retrieve all records selected from one or more CANCERGRAMS without a GENTERM OVERFLOW message.

This field is directly searchable in several ways:

1. The value "CANCERGRAM" may be searched to retrieve all records which contain a value in the CG field.

SS 2 /C?  
 USER:  
 1 and cancergram (cg)

2. All citations from a particular CANCERGRAM series may be searched for using the series identifier. For example:

SS 5 /C?  
 USER:  
 cb09 (cg)

This would retrieve all the records which have been selected for the Cell Biology--Cell Kinetics CANCERGRAM series.

3. An individual issue of a particular CANCERGRAM series may be retrieved. For example:

SS 4 /C?  
 USER:  
 ct06/8412 (cg)

This would retrieve all of the citations selected for the December 1984 issue of the Clinical Cancer Immunology and Immunotherapy CANCERGRAM.

For further information on CANCERGRAMS, including how to obtain subscriptions to the actual series, please write to:

ICRDB Program  
 National Cancer Institute  
 R.A. Bloch International Cancer Information Center  
 Building 82  
 Bethesda, Maryland 20892  
 Phone: (301) 496-7403

□

CANCERGRAM Identifier Codes	
<u>SERIES NO.</u>	<u>SERIES TITLE</u>
<b>CANCER DIAGNOSIS AND THERAPY TOPICS</b>	
CT03	ACUTE AND CHRONIC LEUKEMIA--DIAGNOSIS, TREATMENT
CT09	BREAST CANCER--DIAGNOSIS, TREATMENT, PRECLINICAL BIOLOGY
CT01	CANCER DETECTION AND MANAGEMENT--BIOLOGICAL MARKERS
CT14	CANCER DETECTION AND MANAGEMENT--NUCLEAR MEDICINE
CT06	CLINICAL CANCER IMMUNOLOGY AND IMMUNOTHERAPY
CT13	CLINICAL TREATMENT OF CANCER--RADIATION THERAPY
CT18	CNS MALIGNANCIES--DIAGNOSIS, TREATMENT
CT07	COLO-RECTAL CANCERS--DIAGNOSIS, TREATMENT
CT21	ENDOCRINE TUMORS--DIAGNOSIS, TREATMENT, PATHOPHYSIOLOGY
CT16	GENITO-URINARY CANCERS--DIAGNOSIS, TREATMENT
CT17	GYNECOLOGIC TUMORS--DIAGNOSIS, TREATMENT
CT08	LUNG CANCER--DIAGNOSIS, TREATMENT
CT05	LYMPHOMAS--DIAGNOSIS, TREATMENT
CT22	MELANOMA AND OTHER SKIN CANCER--DIAGNOSIS, TREATMENT
CT11	NEOPLASIA OF THE HEAD AND NECK--DIAGNOSIS, TREATMENT
CT10	PEDIATRIC ONCOLOGY
CT20	REHABILITATION AND SUPPORTIVE CARE
CT12	SARCOMAS AND RELATED TUMORS--DIAGNOSIS, TREATMENT
CT19	UPPER GASTROINTESTINAL TUMORS--DIAGNOSIS, TREATMENT

(Continues on next page)

Figure 1

CANCERGRAM Identifier Codes (Continued)

<u>SERIES NO.</u>	<u>SERIES TITLE</u>
<b>CARCINOGENESIS TOPICS</b>	
CK10	CHEMICAL CARCINOGENESIS--AZO DYES, ARYL AMINES, AND RELATED COMPOUNDS
CK01	CHEMICAL CARCINOGENESIS--NITROSO COMPOUNDS
CK07	CHEMICAL CARCINOGENESIS--POLYCYCLIC AROMATIC HYDROCARBONS, AND RELATED RELATED COMPOUNDS
GK13	CHEMICAL CARCINOGENESIS--MISCELLANEOUS AGENTS
GK03	DIETARY ASPECTS OF CARCINOGENESIS
CK02	ENVIRONMENTAL AND OCCUPATIONAL CARCINOGENESIS
CK21	GENETIC ASPECTS OF CARCINOGENESIS
CK05	HORMONAL CARCINOGENESIS
CK08	MECHANISMS OF CARCINOGENESIS--ACTIVATION AND METABOLISM OF CARCINOGENS
CK11	MECHANISMS OF CARCINOGENESIS--MACROMOLECULAR ALTERATIONS AND REPAIR
CK14	MECHANISMS OF CARCINOGENESIS--ONCOGENIC TRANSFORMATION
CK04	MODIFICATION OF CARCINOGENESIS
CK09	ORGAN SITE CARCINOGENESIS--GASTROINTESTINAL TRACT AND PANCREAS
CK17	ORGAN SITE CARCINOGENESIS--KIDNEY AND URINARY TRACT
CK16	ORGAN SITE CARCINOGENESIS--LIVER
CK20	ORGAN SITE CARCINOGENESIS--LYMPHATIC AND HEMATOPOIETIC TISSUES
CK12	ORGAN SITE CARCINOGENESIS--MAMMARY GLAND
CK18	ORGAN SITE CARCINOGENESIS--REPRODUCTIVE TRACT
CK15	ORGAN SITE CARCINOGENESIS--RESPIRATORY TRACT
CK06	RADIATION CARCINOGENESIS
CK19	SHORT-TERM TEST SYSTEMS FOR CARCINOGENICITY AND MUTAGENICITY
<b>CANCER VIROLOGY, IMMUNOLOGY AND BIOLOGY TOPICS</b>	
CB20	ANTITUMOR AND ANTIVIRAL AGENTS--EXPERIMENTAL THERAPEUTICS, TOXICOLOGY, PHARMACOLOGY
CB19	ANTITUMOR AND ANTIVIRAL AGENTS--MECHANISM OF ACTION
CB09	CELL BIOLOGY--CELL KINETICS
CB12	CELL BIOLOGY--CYTOGENETICS
CB16	CELL BIOLOGY--GROWTH REGULATION, DIFFERENTIATION
CB21	CYTOLOGY--TECHNIQUES, APPLICATIONS
CB11	DNA TUMOR VIRUSES IN NON-PRIMATE SYSTEMS
CB24	HORMONES IN CANCER-RELATED BIOLOGY--NON STEROID HORMONES
CB07	HORMONES IN CANCER-RELATED BIOLOGY--STEROID HORMONES
CB08	IMMUNOBIOLOGY AND CANCER--ANTIBODIES AND HUMORAL IMMUNITY
CB15	IMMUNOBIOLOGY AND CANCER--FUNCTIONAL ASPECTS OF CELLULAR IMMUNITY
CB17	IMMUNOBIOLOGY AND CANCER--IDENTIFICATION AND CHARACTERIZATION OF IMMUNE CELLS
CB05	IMMUNOBIOLOGY AND CANCER--TUMOR-ASSOCIATED ANTIGENS
CB14	MOLECULAR BIOLOGY--CYCLIC NUCLEOTIDES
CB25	MOLECULAR BIOLOGY--DNA
CB27	MOLECULAR BIOLOGY--PROTEINS, POLYPEPTIDES, AMINO ACIDS
CB26	MOLECULAR BIOLOGY--RNA
CB01	ONCOFETAL PROTEINS
CB22	RNA VIRUSES ASSOCIATED WITH CANCER--CELL BIOLOGY AND ANIMAL STUDIES
CB23	RNA VIRUSES ASSOCIATED WITH CANCER--MOLECULAR BIOLOGY
CB06	STRUCTURAL AND FUNCTIONAL ASPECTS OF CELL MEMBRANES
CB13	VIRAL IMMUNOLOGY
CB04	VIRUS STUDIES IN HUMANS AND OTHER PRIMATES

Figure 1 (Continued)

## Assigning Title Abbreviations In SERLINE: Change In Policy

Esther Baldinger  
Serial Records Section, NLM

Title Abbreviations are assigned according to International Standard ISO-4-1972: Documentation-International Code for the Abbreviation of Titles of Periodicals. The abbreviations are assigned for all titles that are indexed for MEDLINE, HEALTH, and POPLINE. The abbreviations in SERLINE® for these indexed titles are identical to those appearing in the individual citations and are directly searchable as the

TA (Title Abbreviations) field.

In the past, Title Abbreviations were also assigned to many non-indexed titles. This has resulted in redundant storage of data that is never used in any other NLM files or publications. As of October 1985, abbreviations are being assigned only to titles selected for indexing in MEDLINE, HEALTH, or POPLINE.

Searchers interested in obtaining a copy of the International List of Periodical Title Word Abbreviations should write to:

C.I.E.P.S./ISDS International Centre  
20, Rue Bachaumont  
75002 Paris, FRANCE

□

# DOT (Department Of Transportation) Emergency Guidelines In TOXNET's HSDB File

Philip Wexler  
Specialized Information Services, NLM

One of the more detailed and eclectic HSDB data fields is DOT (DOT Emergency Guidelines) in the SAFE (Safety & Handling) category. Data in this repeating field are extracted from the 1984 Emergency Response Guidebook prepared by the U.S. Department of Transportation, Research and Special Programs Administration, Materials Transportation Bureau. Earlier editions of this work, in a different format, date back to the 1970s. The next edition is scheduled to be published in 1987 and will be used to update the HSDB file at that time.

The Guidebook was designed to provide guidance for emergency response personnel in the initial actions required to handle hazardous incidents. It should be stressed that neither the Guidebook nor the HSDB data derived from it are intended for use to determine compliance with DOT hazardous materials regulations. The remainder of this paper will focus upon the DOT field in HSDB.

As a "repeating" field, DOT contains several occurrences associated with

each record. Each data statement in these occurrences begins with one of the following six descriptive headings:

- Health Hazards
- Fire or Explosion
- Emergency Action
- Fire
- Spill or Leak
- First Aid

An additional heading, Isolation & Evacuation, is available for some of the chemicals. This heading provides information on distances to isolate or evacuate from a spill/leak.

An important point to remember is that DOT is a hybrid field which may overlap with other fields. Therefore, it may be worthwhile to supplement DOT data with data from other fields. Conversely, users searching for specific bits of emergency information (e.g., FIRP, OHAZ, EXPL) should consider searching DOT as well. Figure 1 is a chart of data fields which roughly correspond to DOT headings, though usually with a different slant.

One of the main distinctions between searching DOT and other fields is that the data in DOT are meant for use immediately following an emergency. The instructions are terse and to the point. Corresponding fields may or may not have the same objectives. DOT First Aid instructions, for example,

Correspondance Of DOT Headings To TOXNET Data Fields		
DOT - Health Hazards	.....	SERI, PPOT, HTOX, POPL
DOT - Fire or Explosion	.....	FLAM (*), EXPL, HAZR (*)
DOT - Emergency Action	.....	
DOT - Fire	.....	FIRE (*)
DOT - Spill or Leak	.....	CLUP
DOT - First Aid	.....	ANTR

Figure 1

almost always are concerned with such issues as provision of fresh air or oxygen, artificial respiration, cleansing of skin and eyes, and removal of contaminated clothing. Emergency medical care should then be sought. The data in ANTR (Antidote & Emergency Treatment) may be concerned with some of these same issues but may also go into detail about specific drug antidotes and regimens, and may assume that the victim is already a patient under clinical care. A study of DOT vs. other emergency data fields will readily reveal the similarities and differences.

Following are two sample questions and search strategies. In the second of these strategies, both the appropriate portion of the DOT data field (through the use of PRT HITS) and a related data field have been printed out.

These strategies have been tailored to illustrate how one might search for the required information specifically in the DOT field and do not necessarily represent the best approaches for the questions in general. □

1. What are the evacuation procedures for a large spill of hydrogen cyanide?

SS 1 /C?

USER:

hydrogen cyanide (name)

SS (1) PSTG (1)

SS 2 /C?

USER:

same (dot) isolation and evacuation

25 OCCURRENCES IN 25 RECORDS

SS (2) PSTG (25)

SS 3 /C?

USER:

1 and 2

SS (3) PSTG (1)

SS 4 /C?

USER:

prt hits

HSN - 165

NAME - HYDROGEN CYANIDE

DOT - Isolation & Evacuation: If a spill or leak from a drum or smaller container or a small leak from a tank, then isolate 90 feet in all directions. If a large spill from a tank or from many containers or drums, etc, first isolate 190 feet in all directions. Then evacuate in a downwind direction, an area 0.5 miles wide and 0.7 miles long. /Hydrogen Cyanide, anhydrous, stabilized/ [DOT. EMERGENCY RESPONSE GUIDEBOOK 1984]

SS 4 /C?

USER:

Figure 2

2. My company is involved in phenol production. In the interests of worker safety, I would like a list of first aid measures for exposure to phenol compounds.

SS 1 /C?

USER:

phenol (nf)

SS (1) PSTG (159)

SS 2 /C?

USER:

same (dot) first and aid

678 OCCURRENCES IN 617 RECORDS

SS (2) PSTG (617)

SS 3 /C?

USER:

1 and 2

SS (3) PSTG (20)

SS 4 /C?

USER:

prt 1 hits, antr

HSN - 113

NAME - PHENOL

ANTR - GENERAL MANAGEMENT: 1) ESTABLISH RESPIRATION: CREATE ARTIFICIAL AIRWAY IF NECESSARY. CHECK ADEQUACY OF TIDAL VOLUME (NORMAL 10-15 CC/KG). [RUMACK. POISINDEX 1975-PRESENT]

ANTR - PREVENTION OF ABSORPTION (ORAL INGESTION): A) DILUTION WITH WATER OR MILK IS IMPERATIVE AS SOON AS POSSIBLE...TO PREVENT DAMAGE TO THE UPPER GI TRACT. B) EMESIS MAY BE INDUCED WHEN SOLN OF 5% OR LESS...INGESTED IN AMOUNTS WHICH WOULD BE EXPECTED TO CAUSE SYSTEMIC SYMPTOMS. C) CAUTIOUS GASTRIC LAVAGE...DONE IN PATIENT INGESTING TOXIC AMOUNTS...OF GREATER THAN 5% CONCEN OR THOSE...COMATOSE, SEIZING OR HAVE LOST GAG REFLEX. D) ADMIN ACTIVATED CHARCOAL (ADULT: 60-100 G, CHILDREN: 30-60 G). E) ADMIN SALINE CATHARTIC: MAGNESIUM OR SODIUM SULFATE (ADULT: 30 G, CHILDREN: 250 MG/KG). F) ORAL ADMIN OF CASTOR OIL, 30-60 ML, IS CLAIMED TO SLOW ABSORPTION OF PHENOL FROM STOMACH. THIS HAS NOT BEEN DOCUMENTED BY CLINICAL STUDIES. [RUMACK. POISINDEX 1975-PRESENT]

Figure 3

ANTR - ORAL EXPOSURE (ORAL INGESTION): A) ...TREAT SEIZURES WITH IV DIAZEPAM (ADULT: UP TO 10 MG SLOWLY, REPEAT IF NECESSARY; CHILDREN: 0.1-0.3 MG/KG SLOWLY). B) DILUTION WITH WATER OR MILK IS IMPERATIVE AS SOON AS POSSIBLE...TO PREVENT CORROSION OF THE UPPER GI TRACT. C) OBTAIN BASELINE LIVER & RENAL MEASUREMENTS. D) MONITOR ACID-BASE BALANCE CLOSELY. E) MONITOR CARDIAC FUNCTION CLOSELY... H) DIALYSIS: PERITONEAL & HEMODIALYSIS ARE OF NO VALUE IN REMOVAL OF PHENOL & RELATED COMPD, BUT HEMODIALYSIS MAY BE USED TO SUPPORT UNCONTROLLED ACID-BASE OR FLUID ELECTROLYTE PROBLEMS. I) DIURESIS: OF NO VALUE IN REMOVAL OF PHENOL & RELATED COMPD. J) CARDIAC ARRHYTHMIAS HAVE RESPONDED TO LIDOCAINE THERAPY. [RUMACK. POISINDEX 1975-PRESENT]

CONTINUE PRINTING? (YES/NO)

USER:

Y

ANTR - INHALATION: A) REMOVE PATIENT TO FRESH AIR. B) MONITOR PATIENT FOR RESPIRATORY DISTRESS; IF COUGH OR DIFFICULTY IN BREATHING DEVELOPS, EVALUATE FOR RESPIRATORY TRACT IRRITATION, BRONCHITIS & PNEUMONIA. C) TREATMENT SHOULD INCLUDE RECOMMENDATIONS LISTED IN ORAL EXPOSURE SECTION WHEN APPROPRIATE. [RUMACK. POISINDEX 1975-PRESENT]

ANTR - DERMAL EXPOSURE: A) ...WASH EXPOSED AREA TWICE WITH SOAP & WATER. B) PHYSICIAN SHOULD EXAM...AREA IF IRRITATION OR PAIN PERSISTS AFTER AREA IS WASHED. C) TREATMENT SHOULD INCLUDE RECOMMENDATIONS LISTED IN ORAL EXPOSURE SECTION WHEN APPROPRIATE. EYE EXPOSURE: A) .../IRRIGATE/ COPIOUSLY WITH WATER FOR AT LEAST 15 MIN. B) OPHTHALMIC EXAM...PERFORMED IF IRRITATION OR PAIN PERSISTS AFTER 15 MIN OF IRRIGATION WITH WATER. C) TREATMENT SHOULD INCLUDE RECOMMENDATIONS LISTED IN ORAL EXPOSURE SECTION WHEN APPROPRIATE. [RUMACK. POISINDEX 1975-PRESENT]

DOT - First Aid: Move victim to fresh air; call emergency medical care. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Speed in removing material from skin is of extreme importance. Remove and isolate contaminated clothing and shoes at the site. Keep victim quiet and maintain normal body temperature. Effects may be delayed. Keep victim under observation. [DOT. EMERGENCY RESPONSE GUIDEBOOK 1984]

SS 4 /C?

USER:

Figure 3 (continued)

Monthly Search Hint

## Multi-Meaning Messages

Joyce A. Conner  
MEDLARS Management Section, NLM

A Multi-Meaning message (always abbreviated MM) is received when a search term entered has more than one possible "meaning" in the database. There are several instances when a Multi-Meaning message may be received: 1) a term used in the EXPLODE command has more than one MeSH tree number; 2) a truncated term has several different endings; 3) an unqualified term can be retrieved from more than one data element; or 4) a term used in the TREE command has more than one MeSH classification number. Several different questions can occur in a Multi-Meaning message display. The searcher is given the opportunity to select the meaning desired.

### 1) EXPLODE

When exploding a MeSH term which is

located in more than one place in the hierarchical tree structures, the Multi-Meaning message "NUMBER, NONE, OR EXPAND-" is generated (see Figure 1).

The acceptable responses to the "NUMBER, NONE, OR EXPAND-" prompt are as follows:

NUMBER -- Select the choice number of the tree desired. Only one tree number may be selected at a time regardless of how many are offered. If multiple choices are entered, only the first choice will be searched. The MeSH heading and all terms indented under it at the specified tree number will be searched. (See Caution below.)

Consult the printed Tree Structures or use the online TREE command to see what terms are indented under the MeSH heading in each tree displayed. In Figure 1, the first tree number, D26.456, was selected. In this example the terms indented under FLAVORING AGENTS in the J tree are also in the D tree as well. In many cases, the terms included under one

```

SS 1 /C?
USER:
explode flavoring agents
PROG:
MM (FLAVORING AGENTS) (2)
      1 D26.456
      2 J1.341.390
NUMBER, NONE, OR EXPAND-

USER:
1
PROG:
SS (1) PSTG (287)

SS 2 /C?
    
```

Figure 1



tree are included in the others and the same retrieval will result no matter which number is selected. However, where the indentations differ, the retrieval will vary. For example, in Figure 2, the postings resulting from exploding the different tree numbers for COMMUNICATIVE DISORDERS differ greatly. Since only one number can be selected at a time, the explode instruction may be repeated and a different tree number selected each time. To avoid the Multi-Meaning message, one can explode the tree number directly instead of the MeSH heading.

Warning: During an OFFSEARCH, an EXPLODE command that generates a Multi-Meaning message is processed differently. Even though while

entering the terms online the searcher may have specified one tree, the OFFSEARCH processing (during the night) will retrieve citations that were indexed to any term indented under the exploded term in all available trees. If the searcher wants retrieval from only one of the trees in an Offsearch, the specific tree number should be used in the EXPLODE instruction.

NONE -- Caution: Entering the word NONE in response to this Multi-Meaning message will cause the program to search the first tree number in the display. Results will be the same as typing the number 1.

EXPAND -- To assist the searcher in making a choice, the EXPAND entry is

```

SS 1 /C?
USER:
explode communicative disorders
PROG:
MM (COMMUNICATIVE DISORDERS) (3)
      1 C10.597.257
      2 C23.888.592.257
      3 F3.126.219
NUMBER, NONE, OR EXPAND-

USER:
1
PROG:
SS (1) PSTG (2282)

SS 2 /C?
USER:
explode communicative disorders
PROG:
MM (COMMUNICATIVE DISORDERS) (3)
      1 C10.597.257
      2 C23.888.592.257
      3 F3.126.219
NUMBER, NONE, OR EXPAND-

USER:
3
PROG:
SS (2) PSTG (1154)

SS 3 /C?
USER:

```

Figure 2

available. A display of the MeSH headings one level broader (higher in the Tree Structures) than the one being EXPLODED will be shown for each of the trees.

## 2) Truncation

A truncated term with variant endings in the database will generate a Multi-Meaning message "SPECIFY NUMBERS, ALL, OR NONE-". If ten or fewer terms begin with the specified root, the terms will be displayed automatically. If there are more than ten generated terms, the program will show the number of variants retrieved, but will not display them. In this

case only ALL or NONE are acceptable choices.

The acceptable responses to the "SPECIFY NUMBERS, ALL, OR NONE-" message are as follows:

NUMBERS -- More than one number may be selected. Enter the numbers separated by commas (see Figure 3).

ALL -- By typing the word ALL in response all terms listed will be searched.

NONE -- If the word NONE is typed, no search is performed and the searcher is returned to a USER: cue (see Figure 3).

```

SS 1 /C?
USER:
dopa:
PROG:
MM (DOPA:) (5)
    1 DOPA (MH)
    2 DOPA DECARBOXYLASE (MH)
    3 DOPA OXIDASE (MH)
    4 DOPAMINE (MH)
    5 DOPAMINE BETA-HYDROXYLASE (MH)
SPECIFY NUMBERS, ALL, OR, NONE-

USER:
1,2,3,4,5
PROG:
SS (1) PSTG (2819)

SS 2 /C?
USER:
protein:
PROG:
MM (PROTEIN:) (22)
ALL OR NONE?

USER:
none
PROG:

SS 3 /C?
USER:
    
```

Figure 3

3) Unqualified term

A single term entered without a qualifier which can be retrieved from more than one data element will

generate a list and the "SPECIFY NUMBERS, ALL, OR NONE-" message. The acceptable responses to the message in this case are the same as in section 2 above (see Figure 4).

```

SS 1 /C?
USER:
file chemline
PROG:
YOU ARE NOW CONNECTED TO THE CHEMLINE FILE.

SS 1 /C?
USER:
adenosine
PROG:
MM (ADENOSINE) (2)
      1 ADENOSINE (N1)
      2 ADENOSINE (SY)
SPECIFY NUMBERS, ALL, OR, NONE-

USER:
2
PROG:
SS (1) PSTG (1)
    
```

Figure 4

4) TREE

The Multi-Meaning message "SPECIFY NUMBERS, ALL, OR NONE" occurs when TREEing a MeSH heading which is assigned to more than one MeSH category or which appears in more than

one position in the same category. The tree numbers assigned to the MeSH heading are also displayed. Acceptable responses to the message in this case are similar to those in section 2 above. See Figure 5. □

```

SS 1 /C?
USER:
tree asthma
PROG:
MM (Asthma) (4)
  1   C8.127.108
  2   C8.381.495.108
  3   C8.674.95
  4   C20.543.480.680.95
SPECIFY NUMBERS, ALL, OR, NONE-

USER:
all
PROG:

Bronchial Diseases  C8.127
  Asthma  C8.127.108
    Asthma, Exercise-Induced  C8.127.108.110
    Status Asthmaticus  C8.127.108.880

Lung Diseases, Obstructive  C8.381.495
  Asthma  C8.381.495.108

Respiratory Hypersensitivity  C8.674
  Asthma  C8.674.95

Respiratory Hypersensitivity  C20.543.480.680
  Asthma  C20.543.480.680.95

SS 1 /C?
USER:

```

Figure 5

SERIALS UPDATE

INDEXED TITLES UPDATE, DECEMBER 1985

The following titles cited in MEDLINE, HEALTH, and POPLINE have recently been selected for indexing, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last

UPDATE. More detailed information about each title may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, NOVEMBER 1985

INI CAPITAL NURSING  
CAP NURS  
INI,MAY \_984--  
DISTRICT OF COLUMBIA NURSES ASSOCIATION  
WASHINGTON UNITED STATES  
THIS TITLE IS NOT IN THE NLM COLLECTION.  
INDEXING BEGAN WITH V1N7,FALL 1985.  
ANA  
SR0055580 JTC: CN4  
DISTRICT OF COLUMBIA NURSES  
ASSOCIATION,5100 WISCONSIN AVE.  
N.W.,SUITE 306,WASHINGTON D.C. 20016

INI JOURNAL OF NURSING STAFF DEVELOPMENT  
J NURS STAFF DEV  
1,SPRING 1985--  
J.B. LIPPINCOTT  
PHILADELPHIA UNITED STATES  
INDEXING BEGAN WITH V1,SUMMER 1985.  
IN PROCESS 0882-0627  
SR0054217 JTC: JEI

TITLE CHANGES, NOVEMBER 1985

IM JOURNAL - AMERICAN INTRA-OCULAR IMPLANT  
SOCIETY  
J AM INTRAOCUL IMPLANT SOC  
2,OCT 1976-11N6,NOV 1985  
AMERICAN INTRA-OCULAR IMPLANT SOCIETY  
SANTA MONICA CA UNITED STATES  
CONTINUES NEWSLETTER - AMERICAN  
INTRA-OCULAR IMPLANT SOCIETY. CONTINUED  
BY: JOURNAL OF CATARACT AND REFRACTIVE  
SURGERY.  
BEGIN WITH V.4,N.1,JAN.1978  
W1 J0222V 0146-2776  
J11860000 JTC: HA1

IDL JOURNAL OF THE WISCONSIN DENTAL ASSOCIATION  
J WIS DENT ASSOC  
49N2,1973-61N10,OCT 1985  
WISCONSIN DENTAL ASSOCIATION  
MILWAUKEE WI UNITED STATES  
CONTINUES: JOURNAL OF THE WISCONSIN STATE  
DENTAL SOCIETY. CONTINUED BY: WISCONSIN  
DENTAL ASSOCIATION JOURNAL.  
W1 J0963M 0091-4185  
J41540000 JTC: KEN

IM JOURNAL OF CATARACT AND REFRACTIVE SURGERY  
J CATARACT REFRACT SURG  
12N1,JAN 1986--  
FAIRFAX VA UNITED STATES  
CONTINUES: JOURNAL - AMERICAN INTRA-OCULAR  
IMPLANT SOCIETY.  
ON ORDER  
SR0055594 JTC: JPB

IM NEW JERSEY MEDICINE  
NJ MED  
82N10,OCT 1985--  
MEDICAL SOCIETY OF NEW JERSEY  
LAURENCEVILLE NJ UNITED STATES  
CONTINUES: THE JOURNAL OF THE MEDICAL  
SOCIETY OF NEW JERSEY.  
W1 NE446P 0885-842X  
SR0055506 JTC: N9R

IM JOURNAL OF THE MEDICAL SOCIETY OF NEW JERSEY  
J MED SOC NJ  
1N1,JAN 1904-82N9,SEP 1985  
MEDICAL SOCIETY OF NEW JERSEY  
TRENTON NJ UNITED STATES  
CONTINUED BY: NEW JERSEY MEDICINE.  
W1 J094 0025-7524  
J29320000 JTC: J47

INI NURSING MIRROR  
NURS MIRROR  
144N20,MAY 1977-161N19,NOV 1985  
OAKFIELD HOUSE  
SUSSEX ENGLAND  
FORMED BY THE UNION OF NURSING MIRROR AND  
MIDWIVES JOURNAL AND QUEENS NURSING  
JOURNAL. NURSING INTENSIVE CARE GROUP  
JOURNAL ISSUED QUARTERLY JUNE 29, 1985? AND  
BOUND IN NURSING MIRROR. ABSORBED BY:  
NURSING TIMES.  
W1 NU641P 0029-6511  
N34980000 JTC: 098

<p>INI NURSING TIMES          NURS TIMES          1,MAY 1905--          MACMILLIAN JOURNALS          LONDON ENGLAND          PART OF TITLE ON MICROFILM. ISSUES FOR MAY          6, 1905-DEC. 25, 1943 CALLED NO.1-2017.          OFFICIAL JOURNAL OF THE COLLEGE OF NURSING,          1916-JULY 1, 1939; OF THE ROYAL COLLEGE OF          NURSING, JULY 8, 1939-MAY 10, 1963; FOR THE          ROYAL COLLEGE OF NURSING AND NATIONAL          COUNCIL OF NURSES OF THE UNITED KINGDOM,          MAY 17, 1963-DEC. 27, 1967. ISSUES FOR          JAN. 4, 1968- INCLUDE A SECTION CALLED:          OCCASIONAL PAPERS. BOUND WITH V. 73, NO.          32-V. 74, NO.6: COMMUNITY OUTLOOK, AUG.          1977-FEB. 1978. ABSORBED: NURSING MIRROR          WITH V. 81, NO. 146, NOV. 13-19, 1985.          CHANGED FROM IM TO SPECIAL LIST N 6/78          W1 NU761 0029-6589          N35380000 JTC: 09U</p>	<p>IDL WISCONSIN DENTAL ASSOCIATION JOURNAL          WIS DENT ASSOC J          6IN11,NOV 1985--          WISCONSIN DENTAL ASSOCIATION          MILWAUKEE WI UNITED STATES          CONTINUES: JOURNAL OF THE WISCONSIN DENTAL          ASSOCIATION.          IN PROCESS          SR0055544 JTC: WIS</p>
---	---

TITLES NO LONGER INDEXED AS OF NOVEMBER 1985

<p>IM ACTA ANATOMICA. SUPPLEMENT          ACTA ANAT [SUPPL] (BASEL)          1,1945-64,1980          KARGER          BASEL SWITZERLAND          W1 AC7521 0365-0332          A04140050 JTC: AAS</p>	<p>IM JOURNAL OF CLINICAL PATHOLOGY. SUPPLEMENT          (ASSOCIATION OF CLINICAL PATHOLOGISTS)          J CLIN PATHOL [SUPPL] (ASS CLIN PATH)          1,1967-14,1980?          BRITISH MEDICAL ASSOCIATION          LONDON ENGLAND          TITLE FROM SPINE.          W1 J05896A 0144-0349          J16900000 JTC: HT6</p>
<p>IM ADVANCES IN MYOCARDIOLOGY          ADV MYOCARDIOL          1,1980-6,1985          PLENUM PRESS          NEW YORK UNITED STATES          SUPERSEDES RECENT ADVANCES IN STUDIES ON          CARDIAC STRUCTURE AND METABOLISM.          INDEXING BEGAN WITH V.1,1980.          W1 A0683K 0270-4056          A14570000 JTC: R64</p>	<p>IM POPULATION REPORTS. SERIES F: PREGNANCY          TERMINATION          POP          POPUL REP [F]          1,1973-7,1980          POPULATION INFORMATION PROGRAM,JOHNS          HOPKINS UNIVERSITY          BALTIMORE UNITED STATES          SOME NUMBERS ISSUED ALSO WITH VARIANT          TITLE: POPULATION REPORT. SERIES F:          PREGNANCY TERMINATION. PREPARED BY          POPULATION INFORMATION PROGRAM OF THE          BIOLOGICAL SCIENCES COMMUNICATION PROJECT.          W1 P0671N 0091-9284          P19560000 JTC: E5I</p>
<p>IM BRITISH JOURNAL OF AUDIOLOGY. SUPPLEMENT          BR J AUDIOL [SUPPL]          1,MAR 1977-3,1980          ROYAL NATIONAL INSTITUTE FOR THE DEAF          LONDON ENGLAND          PUBLISHED IN COLLABORATION WITH THE BRITISH          SOCIETY OF AUDIOLOGY.          W1 BR507A 0143-764x          B34400000 JTC: BOJ</p>	<p>IM POPULATION REPORTS. SERIES G: PROSTAGLANDINS          POP          POPUL REP [G]          1,1973-8,1980          POPULATION INFORMATION PROGRAM, JOHNS          HOPKINS UNIVERSITY          BALTIMORE UNITED STATES          VARIES SLIGHTLY: POPULATION REPORT. SERIES          G: PROSTAGLANDINS. PREPARED BY THE          POPULATION INFORMATION PROGRAM OF THE          BIOLOGICAL SCIENCES COMMUNICATION PROJECT.          ABSORBED RESEARCH IN PROSTAGLANDINS, DEC.          1973.          W1 P0671P 0091-9276          P19580000 JTC: E5J</p>
<p>IM DIAGNOSTIC GYNECOLOGY AND OBSTETRICS          DIAGN GYNECOL OBSTET          2,SPRING 1980-4N4,WINTER 1982          MASSON          NEW YORK UNITED STATES          CONTINUES THE AMERICAN JOURNAL OF          DIAGNOSTIC GYNECOLOGY AND OBSTETRICS.          INDEXING BEGAN WITH V.2,N.1,SPRING 1980.          W1 DI258H 0196-9617          D09566000 JTC: EBJ</p>	

IDL TIDSSKRIFT FOR TANDLAEGER  
 TIDSSKR TANDLAEGER  
 N1,AUG 1981-N4,AUG 1985  
 JOHN VABO A/S  
 COPENHAGEN DENMARK  
 ONE ISSUE EACH YEAR CALLED ALSO: SCANDEFA.  
 CONTINUES: TIDSSKRIFT FOR PRAKTISERENDE  
 TANDLAEGER. ISSUE FOR AUG. 1981 CALLED V.  
 11, NO. 1 BUT CONSTITUTES V. 1, NO. 1.  
 W1 TI249  
 T09942000 JTC: VSQ

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT, NON-INDEXED TITLES, NOVEMBER 1985

The following substantive serial titles were received or ordered by the Serial Records Section. Titles indexed for MEDLINE, HEALTH, and POPLINE are listed in the "INDEXED TITLES UPDATE" section. Please include the NLM Call number on interlibrary loan requests. Of course, NLM cannot fill

loans for titles not yet received by the Library. The list is offered as an early announcement and will include price information if known. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

ADULT FOSTER CARE JOURNAL  
 1,1986--  
 HUMAN SCIENCES PRESS  
 NEW YORK UNITED STATES  
 ON ORDER \$69.00  
 SR0055558

ADVANCES IN ANIMAL WELFARE SCIENCE  
 1984/85--  
 HUMANE SOCIETY OF THE UNITED STATES  
 WASHINGTON UNITED STATES  
 ON ORDER \$15.00  
 SR0055466  
 HUMANE SOCIETY OF THE UNITED STATES,2100  
 L ST NW,WASHINGTON DC 20037

AMERICAN JOURNAL OF ALZHEIMER CARE AND RELATED DISORDERS  
 IN1,JAN 1986--  
 PRIME NATIONAL  
 WESTON MA UNITED STATES  
 ON ORDER \$25.00  
 SR0055429  
 PRIME NATIONAL PUBLISHING CO.,470 BOSTON  
 POST ROAD,WESTON MA 02193

ANALES DE MEDICINA INTERNA  
 IN1, 1984--  
 C. Y P. EDICIONES  
 MADRID SPAIN  
 IN PROCESS  
 SR0055595  
 C. Y S. EDICIONES,CALLE NUNEZDE BALBOA  
 120,7 MADRID,SPAIN

ADVANCES IN CONTRACEPTION  
 1,1985--  
 KLUWER  
 DORDRECHT NETHERLANDS  
 OFFICIAL JOURNAL OF THE SOCIETY FOR THE  
 ADVANCEMENT OF CONTRACEPTION.  
 ON ORDER  
 SR0055425

ANNALS OF BIOLOGY  
 IN1,1985--  
 PRINTS INDIA  
 NEW DELHI INDIA  
 ON ORDER \$75.00  
 SR0055492  
 PRINTS INDIA,11 DARYA GANJ,NEW DELHI  
 110002,INDIA

ALCOHOLISM AND ADDICTION  
 5N6,AUG 1985--  
 ALCOM  
 SEATTLE UNITED STATES  
 CONTINUES: ALCOHOLISM WHICH IS NOT IN THE  
 NLM COLLECTION.  
 ON ORDER \$18.75  
 SR0055493  
 ALCOM INC., P.O. BOX 31329, SEATTLE  
 WASHINGTON

APPLIED DEVELOPMENTAL PSYCHOLOGY  
 1,1984--  
 ACADEMIC PRESS  
 ORLANDO FL UNITED STATES  
 IN PROCESS  
 SR0055487

BEITRAGE ZUR MEDIZIN, MEDIZINSOZIOLOGIE UND  
KLINISCHEN PSYCHOLOGIE  
1,1985--  
CENTARUS-VERLAGSGESELLSCHAFT  
PFAFFENWEILER GERMANY, WEST  
IN PROCESS  
SR0055531

BIOLOGIA AFRICANA  
1N1, JAN 1984--  
FACULTY OF SCIENCE, UNIVERSITY OF PORT  
HARCOURT  
PORT HARCOURT NIGERIA  
ON ORDER  
SR0055567 \$95.00  
FACULTY OF SCIENCE, UNIVERSITY OF PORT  
HARCOURT, PMB 5323, PORT HARCOURT, NIGERIA

BRUNNER/MAZEL PSYCHOSOCIAL STRESS SERIES  
1,1984--  
BRUNNER/MAZEL  
NEW YORK UNITED STATES  
IN PROCESS  
SR0055432  
BRUNNER/MAZEL INC., 19 UNION SQUARE  
WEST, NEW YORK NY 10003

CLINICAL RESEARCH SERIES  
1,1984--  
FORIS PUBLICATIONS  
DORDRECHT NETHERLANDS  
IN PROCESS  
SR0055411  
FORIS PUBLICATIONS, P.O. BOX 509, 3300 AM  
DORDRECHT, THE NETHERLANDS

COLLECTION NOUVELLE CHIRURGIE  
1,1985--  
FLAMMARION MEDECINE-SCIENCES  
PARIS FRANCE  
ON ORDER  
SR0055540  
FLAMMARION MEDECINE-SCIENCES, 4 RUE  
CASIMIR-DELAVIGNE, 75006 PARIS, FRANCE

CONTEMPORARY PEDIATRICS  
1N1, AUG 1985--  
RODAR PHARMACEUTICAL MEDIA  
POINTE CLAIRE CANADA  
QUEBEC  
VOL. 1, NO. 1, AUG. 1985 ALSO CALLED  
CHARTER ISSUE.  
IN PROCESS  
SR0055419 \$22.00  
CONTEMPORARY PEDIATRICS, SUITE 200, 6600  
TRANS CANADA, POINTE CLAIRE, QUEBEC H9R  
4S2, CANADA

CURRENT EUROPEAN ANAESTHESIOLOGY  
SEP 1985--  
JOHN WILEY  
CHICHESTER ENGLAND  
ON ORDER  
SR0055528

DIAGNOSE UND LABOR  
35N1, MAR 1985--  
MEDIZINISCHE VERLAGSGESELLSCHAFT  
MARBURG GERMANY, WEST  
CONTINUES: LABORATORIUMSBLATTER.  
ON ORDER  
SR0055491  
MEDIZINISCHE VERLAGSGESELLSCHAFT, POSTFACH  
1732, D-3550 MARBURG, GERMANY

DIETARY FIBRE PERSPECTIVES  
1,1985--  
JOHN LIBBEY  
LONDON ENGLAND  
IN PROCESS  
SR0055455  
JOHN LIBBEY AND COMPANY LIMITED, 80/84  
BONDWAY, LONDON SW8 1SF, ENGLAND

DISPLAY AND IMAGING TECHNOLOGY  
1N1, SEP 1985--  
HARWOOD ACADEMIC  
LONDON ENGLAND  
ON ORDER  
SR0055469 \$180.00  
STBS LTD., 1 BEDFORD STREET, LONDON WC2E  
9PP, ENGLAND

EUTHANASIA REVIEW  
1,1986--  
HUMAN SCIENCES PRESS  
NEW YORK UNITED STATES  
ON ORDER  
SR0055557 \$49.00

GERIATRIC MEDICINE ANNUAL  
1986--  
MEDICAL ECONOMICS BOOKS  
ORADELL NJ UNITED STATES  
IN PROCESS  
SR0055532  
MEDICAL ECONOMICS BOOKS, ORADELL NJ 07649

HANDBOOK OF UROLOGY  
17,1986--  
SPRINGER-VERLAG  
BERLIN GERMANY, WEST  
CONTINUATION OF HANDBUCH DER UROLOGIE.  
ENCYCLOPEDIA, WHICH IS CLASSIFIED SEPARATELY  
AT NLN.  
IN PROCESS  
SR0055484

HEALTH CARE UK  
1984--  
CHARTERED INSTITUTE OF PUBLIC FINANCE AND  
ACCOUNTANCY; INSTITUTE OF HEALTH SERVICES  
MANAGEMENT; POLICY JOURNALS  
LONDON ENGLAND  
IN PROCESS  
SR0055439  
CIPFA, 3 ROBERT STREET, LONDON WC2N 6BH,  
ENGLAND



HEIDELBERGER SCHRIFTEN ZUR MUSIKTHERAPIE  
1,1985--  
GUSTAV FISCHER VERLAG  
STUTT GART GERMANY, WEST  
IN PROCESS  
SR0055428 \$12.19  
GUSTAV FISCHER VERLAG,WOLLGRASWEG  
49,7000 STUTT GART 70,WEST GERMANY

HEMATOLOGY REVIEWS AND COMMUNICATIONS  
1N1,DEC 1985--  
HAPWOOD ACADEMIC  
LONDON ENGLAND  
ON ORDER  
SR0055475 \$128.00  
STBS LTD.,1 BEDFORD STREET,LONDON WC2E  
9PP,ENGLAND

INTERDISZIPLINARE REIHE ZUR THEORIE UND  
PRAXIS DER LOGOPADIE DES ZENTRALVERBANDES  
FUR LOGOPADIE  
1,1985--  
ZENTRALVERBANDES FUR LOGOPADIE  
MUNCHEN GERMANY, WEST  
ON ORDER  
SR0055462

INTERNATIONAL PEDIATRICS - JOURNAL OF THE  
MIAMI CHILDRENS HOSPITAL  
1,1986--  
MIAMI CHILDRENS HOSPITAL  
MIAMI FL UNITED STATES  
ON ORDER  
SR0055599  
MR. NESTOR LOPEZ,MIAMI CHILDRENS  
HOSPITAL,6125 SOUTHWEST 31ST ST.,MIAMI  
FL 33155

INTERNATIONAL REVIEWS OF IMMUNOLOGY  
1N1,JAN 1986--  
HARWOOD ACADEMIC  
LONDON ENGLAND  
ON ORDER  
SR0055482  
STBS LTD., 1 BEDFORD STREET, LONDON WC2E  
9PP,ENGLAND

JOURNAL OF APPLIED CARDIOLOGY  
1,1986--  
PERGAMON PRESS  
OXFORD ENGLAND  
ON ORDER  
SR0055414 \$95.00

JOURNAL OF COMPLEMENTARY MEDICINE  
1986--  
INSTITUTE FOR COMPLEMENTARY MEDICINE  
LONDON ENGLAND  
ON ORDER  
SR0055468 \$10.00  
INSTITUTE FOR COMPLEMENTARY MEDICINE,21  
PORTLAND PLACE,LONDON WIN 3AF,ENGLAND

JOURNAL OF ENZYME INHIBITION  
1N1,OCT 1985--  
HARWOOD ACADEMIC  
LONDON ENGLAND  
ON ORDER  
SR0055474 \$152.00  
STBS LTD.,1 BEDFORD STREET,LONDON WC2E  
9PP,ENGLAND

JOURNAL OF THE EGYPTIAN SOCIETY OF  
ULTRASONICS IN MEDICINE  
1N1,JUN 1984--  
YEHYA MAHRAN  
CAIRO EGYPT  
IN PROCESS  
SR0055579  
YEHYA MAHRAN,20 GAMAL EL-DIN ABOU  
EL-MAHASIN,GARDEN CITY CAIRO,A.R.E EGYPT

JOURNAL OF HEART TRANSPLANTATION  
4N1,NOV 1984--  
INTERNATIONAL SOCIETY FOR HEART  
TRANSPLANTATION  
NEWARK NJ UNITED STATES  
CONTINUES: HEART TRANSPLANTATION.  
IN PROCESS  
SR0055512 \$30.00  
SOCIETY,NEWARK BETH ISRAEL MEDICAL  
CENTER,201 LYONS AVENUE,NEWARK NJ 07112

JOURNAL OF PAIN AND SYMPTOM MANAGEMENT  
1986--  
CENTER FOR HEALTH SCIENCES, DEPARTMENT OF  
ANESTHESIOLOGY  
MADISON WI UNITED STATES  
ON ORDER  
SR0055570  
UNIVERSITY OF WISCONSIN-MADISON, CENTER  
FOR HEALTH SCIENCES, DEPARTMENT OF  
ANESTHIOLOGY, B6/387 CLINICAL SCIENCE  
CENTER,600 HIGHLAND AVENUE,MADISON WI  
53792

KOREAN JOURNAL OF PHARMACOLOGY  
21N1,JUN 1985--  
SOCIETY OF PHARMACOLOGY, REPUBLIC OF KOREA  
SEOUL KOREA, SOUTH  
CONTINUES: TAEHAN YANGNIHAK CHAPCHI.  
IN PROCESS  
SR0055582  
SOCIETY OF PHARMACOLOGY,DEPARTMENT OF  
PHARMACOLOGY COLLEGE OF MEDICINE, SEOUL  
NATIONAL UNIVERSITY, SEOUL KOREA

LABORATORY MICROCOMPUTER  
1N1,SPRING 1982--  
SCIENCE AND TECHNOLOGY LETTERS  
KEW ENGLAND  
ON ORDER  
SR0055494

MITTEILUNGEN DER ARZTEKAMMER FUR WIEN  
37N9,SEP 1985--  
ARZTEKAMMER FUR WIEN  
WIEN AUSTRIA  
CONTINUES: ARZTEKAMMER FUR WIEN  
MITTEILUNGEN.  
IN PROCESS  
SR0055573  
ARZTEKAMMER FUR WIEN, 1010 WIEN,  
WEIHBURGGASSE 10-12, AUSTRIA

MOLECULAR MEDICINE  
1,1984  
IRL PRESS  
OXFORD ENGLAND  
IN PROCESS  
SR0055463  
IRL PRESS LTD., P.O. BOX 1, EYNSHAM,  
OXFORD OX8 1JL, ENGLAND

NEW DIMENSIONS IN ORAL SURGERY  
 1N1, MAY 1984--  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0055522

NEW METHODS IN DRUG RESEARCH  
 1, 1985--  
 PROUS  
 BARCELONA SPAIN  
 ON ORDER  
 SR0055464

NOUVELLES TECHNIQUES  
 1, 1984--  
 FLAMMARION MEDECINE-SCIENCES  
 PARIS FRANCE  
 ON ORDER  
 SR0055541  
 FLAMMARION MEDECINE-SCEINCES, 4 RUE  
 CASIMIR-DELAUVIGNE, 75006 PARIS, FRANCE

ONCHO UPDATE  
 1N1, JAN-MAR 1985--  
 EDNA MCCONNELL CLARK FOUNDATION  
 NEW YORK UNITED STATES  
 PUBLISHED IN COOPERATION WITH THE NATIONAL  
 LIBRARY OF MEDICINE THROUGH THE USE OF  
 MEDLARS (MEDICAL LITERATURE ANALYSIS AND  
 RETRIEVAL).  
 IN PROCESS  
 SR0055565  
 EDNA MCCONNELL CLARK FOUNDATION, 250 PARK  
 AVENUE, NEW YORK NY 10017

PAKISTAN JOURNAL OF OPHTHALMOLOGY  
 1N1, JAN 1985--  
 PAKISTAN JOURNAL OF OPHTHALMOLOGY  
 NORTON VA UNITED STATES  
 IN PROCESS  
 SR0055496 \$32.00  
 PAKISTAN JOURNAL OF OPHTHALMOLOGY, 1921  
 PARK AVE S.W., NORTON VA 24273

PANCREAS  
 1, 1986--  
 RAVEN PRESS  
 NEW YORK UNITED STATES  
 ON ORDER  
 SR0055438 \$68.00

POLITICAL ISSUES IN NURSING: PAST, PRESENT  
 AND FUTURE  
 OCT 1985--  
 JOHN WILEY  
 CHICHESTER ENGLAND  
 ON ORDER  
 SR0055527

PSYCHOLOGICAL AND BEHAVIORAL TREATMENTS FOR  
 MEDICAL DISORDERS  
 1, 1985--  
 INSTITUTE FOR THE ADVANCEMENT OF HEALTH  
 NEW YORK UNITED STATES  
 IN PROCESS  
 SR0055415  
 INSTITUTE FOR THE ADVANCEMENT OF HEALTH,  
 16 EAST 153RD STREET, NEW YORK NY 10022

REIHE SPORT UND SPORTMEDIZIN  
 1, 1985--  
 PERIMED-FACHBUCH-VERLAGSGESELLSCHAFT  
 ERLANGEN GERMANY, WEST  
 ON ORDER  
 SR0055405

REVIEWS OF MAGNETIC RESONANCE IN MEDICINE  
 1, 1986--  
 PERGAMON PRESS  
 OXFORD ENGLAND  
 ON ORDER  
 SR0055409 \$90.00

SCHRIFTENREIHE DER HAMBURG-MANNHEIMER-STIFTU  
 NG FUR INFORMATIONSMEDIZIN  
 1, 1985--  
 FERDINAND ENKE VERLAG  
 STUTTGART GERMANY, WEST  
 IN PROCESS  
 SR0055424

SOMA  
 1, JAN 1986--  
 WILLIAMS AND WILKINS  
 BALTIMORE UNITED STATES  
 ON ORDER  
 SR0055410 \$42.00  
 WILLIAMS AND WILKINS, P.O. BOX  
 64006, BALTIMORE MD. 21264

TEXTBOOK OF NATURAL MEDICINE  
 1N1, 1984--  
 JOHN BASTYR COLLEGE OF NATURPATHIC MEDICINE  
 SEATTLE UNITED STATES  
 ON ORDER  
 SR0055556 \$150.00

TRACHOMA UPDATE  
 1N1, JAN-MAR 1985--  
 EDNA MCCONNELL CLARK FOUNDATION  
 NEW YORK UNITED STATES  
 PUBLISHED IN COOPERATION WITH THE NATIONAL  
 LIBRARY OF MEDICINE THROUGH THE USE OF  
 MEDLARS (MEDICAL LITERATURE ANALYSIS AND  
 RETRIEVAL).  
 IN PROCESS  
 SR0055564  
 EDNA MCCONNELL CLARK FOUNDATION, 250 PARK  
 AVENUE, NEW YORK NY 10017

VASCULAR REPORTS  
 1N1, JUL 1984?--  
 APPLETON DAVIES  
 PASADENA CA UNITED STATES  
 IN PROCESS  
 SR0055418 \$82.50  
 APPLETON DAVIES INC., 32 SOUTH RAYMOND  
 AVENUE, SUITE 10, PASADENA CA 91105

Amendment to the Tape License Agreement

Effective December 31, 1985

Under the provision for amending the Agreement specified in Section 15 of the Tape License Agreement which states that changes will be published in the NLM Technical Bulletin, the following paragraph is an amendment to Section 5. It is hereby incorporated into the Tape License Agreement.

This amendment to Section 5 changes the portion of the License authorizing the provision of information services and/or products.

Amendment:

Section 5. Restrictions on Duplication, Distribution, and Use of Machine-Readable Copies of NLM Databases.

a. and b. remain the same

c. Subject to the restrictions set forth in this License, the Licensee is authorized to provide information services and/or products resulting from the use of NLM databases to users in the United States, its Territories or Possessions and to users in countries outside the United States.

[revised]



Amendment to the Subset License Agreement

Effective December 31, 1985

Under the provision for amending the Agreement specified in Section 9 of the Subset License Agreement which states that changes will be published in the NLM Technical Bulletin, the following paragraph is an amendment to Section 5. It is hereby incorporated into the Subset License Agreement.

This amendment to Paragraph 5 changes the portion of the License authorizing the provision of information services and/or products.

Amendment:

Section 5. Restrictions on Duplication, Distribution and Use of Machine-Readable Copies of NLM Databases

a. and c. remain the same

b. [This section applies only to "Multiple Use Subsets."] Subject to the restrictions set forth in this License, the Licensee is authorized to provide information services and/or products resulting from the use of these NLM databases to users in the United States, its Territories and Possessions and to users in countries outside the United States.

[revised]



HIGHLIGHTS OF PDQ VERSION 2

There are several enhancements to the PDQ search system that apply across all of the files (the Cancer Information File, Physician File, Organization File and Protocol File), and others which are specific to particular files.

I. GENERAL "CROSS-FILE" ENHANCEMENTS

A. COMMAND STACKING

Command stacking allows the user to bypass menus in PDQ by "stacking" or selecting choices from consecutive menus/prompts at a single user cue. For the experienced user, this increases efficiency in searching PDQ. NOTE: one must be very familiar with the menus and their various options in order to make effective use of this capability. It is not recommended for a novice user.

The command stacking option requires a semicolon (;) separating the choices. For example:

PDQ PHYSICIAN RETRIEVAL

You may select physicians by:

- 1 Physician name
- 2 Medical specialty
- 3 State
- 4 City
- 5 Zip code
- 6 Non US country

\*Enter desired number and press CR  
>2;1

(The 2 indicates the "Medical Specialty" choice from the menu currently displayed. The 1 indicates the desired choice, Gynecology, from the next menu that would normally appear based on the "Medical Specialty" choice. That menu will be bypassed as a result of the command stacking).

PDQ PHYSICIAN RETRIEVAL

282 physician(s) retrieved  
SPECIALTY = Gynecology

Command stacking may be used to bypass several menus or prompts at once. Menu item numbers (as in the example above), user-entered choices (e.g., a city name), and/or actual commands (e.g., print browse) may be stacked together at a single user cue. For example:

## PDQ MENU

The following information is available in PDQ.

- |                      |                       |
|----------------------|-----------------------|
| 1 Description        | 5 Physicians          |
| 2 Instructions       | 6 Organizations       |
| 3 News               | 7 Protocols           |
| 4 Cancer Information | 8 PDQ Editorial Board |
| 9 Exit PDQ           |                       |

Note: At any prompt, you may type EXIT, BACK or RESTART.  
\*Enter desired number and press CR ("Return" or "Enter" key).  
>5;4;chicago;2;6;print browse

52 Physicians being sorted...

### Reference

Reference Number	Physician information		
1	Abcarian H 312-782-4828	Chicago	IL
2	Apostol JV 312-329-9888	Chicago	IL
3	Applebaum EL 312-996-6582	Chicago	IL
4	Banich FE 312-622-7898	Chicago	IL

This search immediately provided a display (in browse format) of surgical oncologists in Chicago. It bypassed the need for separate user input at the main physician menu (for city, #4), the city prompt (Chicago), the main physician menu again (for Medical Specialty, #2), the Medical Specialty menu (for Surgery, #6), and the print option menu. The user did not even have to view those menus.

Command stacking may be implemented at almost any user cue throughout PDQ. In some instances, the text of the display may be interrupted by the "\*Display complete. Press CR to continue" message. Simply press the CR and the system will continue processing your information request.



## B. CHANGING FILES

Commands have been added to PDQ to allow one to change files (within PDQ) without returning to the Main Menu. At any valid user cue one may type in any of the following commands (or their designated aliases) followed by a (CR) and move directly to that particular file.

PHY -- this would take one directly to the  
Physician Retrieval Menu

ORG -- this would take one directly to the  
Organization Retrieval Menu

PROT -- this would take one directly to the  
Protocol Retrieval Menu.

CAN -- this would take one directly to the  
main menu for the Cancer Information  
File (entitled PDQ information system)

The list of valid aliases for each of these commands may be found in section D.

## C. RETAINED SEARCH STRATEGIES

PDQ will retain a particular search strategy in the Physician File, the Organization File or the Protocol File for the length of a search session (or until a RESTART command is given) - even if one changes files. The strategy is not carried from file to file but will remain intact in the file where it was input until one exits the system. For example, if one begins a search in the Physician File, then needs to check the location of certain organizations in the Organization File, and return to their original physician search -- they may do so.

For example:

PDQ PHYSICIAN RETRIEVAL

52 physician(s) retrieved  
CITY = Chicago  
SPECIALTY = Surgery

You may narrow set of physicians by:

(continued)

- 1 Physician name
- 2 Medical Specialty
- 3 State
- 4 City
- 5 Zip code
- 6 Non US country - or you may
- 7 Erase existing selection criteria
- 8 Go to Print Option Menu

\*Enter desired number and press CR.  
>org

#### PDQ ORGANIZATION RETRIEVAL

You may select organizations by:

- 1 Organization name
- 2 State
- 3 City
- 4 Zip code
- 5 Non US country

\*Enter desired number and press CR.  
>1;holy cross hospital

#### PDQ ORGANIZATION RETRIEVAL

2 Organization(s) retrieved  
NAME = Holy Cross Hospital

You may narrow set of organizations by:

- 1 Organization name...

\*Enter desired number and press CR.  
>print short

- 1 Holy Cross Hospital  
Chicago IL  
312-471-8000
- 2 Holy Cross Hospital  
Salt Lake City UT  
801-350-4111

One could now return directly to the Physician Retrieval Menu and be back at this point:

## PDQ PHYSICIAN RETRIEVAL MENU

52 physician(s) retrieved  
CITY = Chicago  
SPECIALTY = Surgery  
...

\*\*Please note that this only applies to the Physician, Organization, and Protocol Files. Searches performed in the Cancer Information File are not retained for the length of the session. (One may continue to carry over the diagnosis from the Cancer Information File to the Protocols File via the Continuation Option (9) from the Cancer Information Menu).

### D. ALIASES

Several aliases for commands have been added to the system. Any one of these aliases may be used in lieu of the exact command name. These include:

PRINT = PRT

EXIT = X = STOP = STOP Y

HELP = ?

RETURN = RET

RESTART = R

PHYSICIAN = PHYSICIANS = PHY

ORGANIZATION = ORGANIZATIONS = ORG

PROTOCOL = PROTOCOLS = PROT

CANCER = CAN = CANCER INFORMATION = CANCERS

E. SELECTION OF MULTIPLE ENTRIES

There are many points in PDQ (mainly in the Protocol, Physician, and Organization Files) where more than one choice or entry may be input at a single user cue as a search selection. These choices include numbered items from particular menus (e.g., Phases in the Protocol File), or search terms that one is prompted to type (e.g., city names in the Organization File). These multiple entries must be separated by commas (,). Selecting multiple entries or choices has the effect of broadening a search strategy (similar to using the Boolean OR). The only limit to the number of choices that may be selected is the length of the line for input - there is no line continuation feature. For example:

PROTOCOL SELECTION BY PHASE

Protocol phases are:

- 1 Adjuvant studies
- 2 Ancillary studies
- 3 Phase III
- 4 Phase II
- 5 Phase I
- 6 Master protocol
- 7 Pilot studies

\*Enter desired number and press CR.  
>2,5

PDQ PROTOCOL RETRIEVAL

158 protocol(s) retrieved  
PHASE = ANCILLARY PHASE I

or:

ALPHABETIC SELECTION BY CITY NAME

\*Enter full name of city or partial name with colon suffix for each desired city, then press CR.  
>lexington,memphis,nashville

PDQ ORGANIZATION RETRIEVAL

17 organization(s) retrieved  
CITY = LEXINGTON, MEMPHIS, NASHVILLE

It is not possible to make multiple choices for every menu option in PDQ. For example, when entering a diagnosis in the Protocol File, the instructions explicitly state that one should enter a single diagnosis only. Be sure to read the instructions at each menu prompt carefully.

**\*\*NOTE:** Multiple entries can be used only for actual search criteria input. They can not be used for general menu selections. For example, one may select multiple choices from the Medical Specialty Menu, (separated by commas) because these are actual search terms being selected. Options from the main PDQ retrieval menus are not actual search criteria - they are a means of determining the criteria. They should therefore, be considered as "commands" and follow the "Command Stacking" rules (see Section A).

It is possible to combine command stacking with multiple entry selection at a single user cue. For example:

#### PDQ PROTOCOL RETRIEVAL

You may select protocols by:

- 1 ID number
- 2 Cancer diagnosis
- 3 Word search in protocol title
- 4 Phase of protocol
- 5 Treatment modality
- 6 Drug name
- 7 State

\*Enter desired number and press CR.  
>4;1,4;7;md,dc,va

This example combined "stacking" and multiple entry selection to choose the phase option (4), multiple phase choices (1,4) from the phase menu, the state option (7), and the multiple state selections (md,va,dc). The retrieval from this search is:

#### PDQ PROTOCOL RETRIEVAL

216 protocol(s) retrieved  
PHASE = ADJUVANT PHASE II  
STATE = MD,DC,VA

## F. BROWSE MODE

Users may browse through their retrieval from the Physician, Organization and Protocol Files one screenful at a time. Basic information is displayed for each record (e.g., protocol titles and ID numbers in the Protocol File) along with a reference number. Selected records may be chosen for subsequent, expanded printing.

Users may select the item(s), if any, that they wish to display in an expanded format by entering the reference number(s) at the user cue, e.g., >1. If multiple items are desired, the choices must be separated by commas, e.g., >1,3,4.

After all of the items have been browsed, a print format selection menu will be displayed. One may choose to print the item(s) selected from the browse display in one of the expanded formats: SHORT, MEDIUM, or LONG.

Printing in an expanded format is automatically deferred until all items have been browsed. One may override this default, however, and print immediately without browsing the entire retrieval. This is done by "stacking" (see section A) the print command and the desired format after the selected item number(s) at the user cue. For example:

```
>1,3,4;print long;return
```

Use the stacked RETURN command to exit the browse mode and return to the retrieval menu after printing.

Remember to separate stacked commands with a semi-colon.

## G. TRUNCATION

As a general rule, the colon (:) symbol must be appended to any word root one wishes to truncate in PDQ. Otherwise, PDQ will search only for a match on the exact word typed. For example, if the exact spelling of a city is not known, it must be truncated:

```
>Albu:
```

This would result in retrieval for the city Albuquerque. If the colon had not been appended, the system would have found no match for simply ALBU.

Truncation is only "implied", i.e., done automatically by the system, when one is searching by diagnosis (in the Protocol File and the Cancer Information File) or by drug name (also in the Protocol File). In these cases only, retrieval will automatically include any entities which contain the root. For example:

When searching for a diagnosis input as:

>cysto

The retrieval will include three diagnoses and their synonyms including: cystadenocarcinoma of the pancreas, ovarian mucinous cystoma, and ovarian serous cystoma. No truncation symbol was necessary.

When searching for a drug name input without truncation such as:

>inter

The retrieval will include two drug names and their synonyms including: interferon, interleukin-2, tcgf,interleukin, and human fibroblast interferon.

NOTE: It is probably a good habit to always use the colon (: ) truncation symbol when a root word search is desired in PDQ. This can help avoid confusion as to remembering when it is required and when it is not.

#### H. PRINT LIMITS

PDQ limits the number of entries you can display at one time. These limits are based on the total size of all records, and therefore, long print formats have lower limits. Please see the print options tables for the Physician, Organization and Protocol Files in the PDQ User Guide.

Individual files in PDQ have also been somewhat modified. These modifications include the general, cross-file enhancements previously described, as well as some changes unique to particular files.

## II. INDIVIDUAL FILE ENHANCEMENTS

### CANCER INFORMATION FILE

#### A. INITIAL MENU

The initial menu has a new title and format. It is now called the "PDQ Information System" and contains three choices for selection of diagnoses: by body system/site; by histologic tissue/type; and childhood cancers. No separate numbered choice for "Alphabetic retrieval" of diagnoses is available. If one wishes to search by a specific diagnosis it may be done by simply entering the desired diagnosis name at the user prompt (>) at the end of the initial menu. For example:

```
PDQ information system
```

1. By body system/site
2. By histological tissue/type
3. Childhood cancers

```
*Enter desired number OR type in any diagnosis and press  
CR.
```

```
>breast cancer
```

#### B. SUBMENUS

Some of the actual choices on each menu have been modified. The order of the choices on some menus has also been changed. Users are advised to familiarize themselves with the current menu displays before utilizing the new command stacking capabilities.



C. STAGE/TREATMENT

One may choose the particular stage(s) for which treatment information is desired at the treatment information options (3 or 7). A menu displays the stage choices for the selected diagnosis at the beginning of these two options. One or more stages may be chosen (separated by commas). In the past, if a diagnosis with stage was chosen alphabetically, the stage was automatically invoked when the treatment option was chosen.

D. MULTIPLE SELECTIONS

One may select multiple items from the Cancer Information Menu for sequential displaying. These choices should be separated by commas. One may also have the option to choose treatment information (#3 or #7) by a particular stage or stages. Multiple choices may be made at this point, also.

PHYSICIAN FILE

A. Truncation

Search terms from the Physician File are NOT automatically truncated. The colon (:) must be used at the end of the "root" to be truncated. For example, to search a physician name where only the last name is known one must truncate either:

>Brown: (This would retrieve all surnames  
of Brown, Browne, Browning, etc.,  
with any first/middle initials)

or:

>Brown : (This would retrieve all surnames  
of Brown with any first/middle  
initials)

B. Print LONG

This format now includes any protocol titles and protocol ID's associated with a physician. One may take the ID number(s) into the Protocol File to retrieve the full description of the protocol(s). The MORE option no longer exists for this file.

C. Multiple selections

One may select multiple entries for physician names, specialties, cities, states, zips, and countries; these must be separated by commas. See the overall enhancements, Section E, for a more detailed discussion.

D. Browsing

One may choose any number of names from the browse display to print in SHORT, MEDIUM, or LONG format; printing is automatically deferred until all names have been browsed unless otherwise indicated to the system. See the overall enhancements, Section F, for a more detailed discussion.

ORGANIZATION FILE

A. Truncation

Search terms from the Organization File are not automatically truncated. A colon (:) must be used at the end of the root to be truncated. For example, an organization name may be searched as "Memorial Sloan:" to retrieve information on Memorial Sloan Kettering Cancer Center.

B. Print LONG

This format now includes any protocol titles and protocol ID's associated with an organization. One may take the ID number(s) into the Protocol File to retrieve the full description of the protocol(s). The MORE option no longer exists in this file.

C. Multiple Selections

One may select multiple entries for organization names, cities, states, zip codes and non US countries. These must be separated by commas. See the overall enhancements, Section E, for a more detailed discussion.

D. Browsing

One may choose any number of organization names from the browse display to print in SHORT, MEDIUM, or LONG format. Printing is automatically deferred until all organization names have been browsed unless otherwise indicated to the system. See the overall enhancements, Section F, for a more detailed discussion.

PROTOCOL FILE

A. Truncation

Protocol ID numbers or text word roots will not be truncated unless the term is appended with a colon (:). When searching by diagnosis (Option 2) or by drug name (Option 6), PDQ automatically assumes truncation and does a root search.

B. Multiple Selections

One may select multiple entries for ID numbers, phases of protocols, drug names, or states by separating the selections by commas. Text word searches (Option 3) and treatment modality searches (Option 5) may use commas or the Boolean OR (see sections D and E). Diagnosis searching is an exception; only one diagnosis may be entered per search. (Diagnoses subsequently entered will overwrite the previous diagnosis).

C. Browsing

One may choose any number of protocols from the browse display to print in SHORT, MEDIUM, or LONG format. Printing is deferred until all protocol titles/ID's have been browsed unless otherwise indicated to the system. See the overall enhancements, Section F, for a more detailed discussion.

D. Textword Searching and Boolean Logic

One may choose substantive text words from the protocol titles, separating these terms with the boolean operators (AND, OR or AND NOT). Terms separated by the OR operator are searched before the AND operator (unlike the Elhill search retrieval language on MEDLARS).

D. Textword Searching and Boolean Logic (continued)

e.g., RADIATION OR RADIOTHERAPY OR (ADJUVANT AND CHEMOTHERAPY)

The above example will search for protocols whose titles include the words radiation, radiotherapy or adjuvant chemotherapy.

E. Treatment Modalities and Boolean Logic

Protocols may be selected by any combination of nine separate treatment modalities, using the boolean operators (AND, OR or AND NOT). We suggest that you use the comma (,) for the OR term and NOT in place of AND NOT.

e.g., 1 AND 5,6 retrieves any protocol that uses antibody therapy (#1 from the menu) AND either hyperthermia (#5) OR immunotherapy (#6).



