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THE NLM TECHNICAL BULLETIN

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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • National Institutes of Health
National Library of Medicine

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	11,363	THROUGH 1983	18 MAR 83	
BIOETHICS	14,288	JAN 73-JUL 82	31 JAN 83	8301(EM)
CANCERLIT	339,565	JAN 63-MAR 83	21 MAR 83	8303(EM)
CANCERPROJ	21,117	1978-1981	12 NOV 81	8110(EM)
CATLINE	500,665	THROUGH 1983	18 MAR 83	
CHEMLINE	558,043		14 MAR 83	8303(EM)
CLINPROT	3,685		21 FEB 83	8303(EM)
HEALTH	227,881	JAN 75-APR 83	14 MAR 83	8304(EM)
HISTLINE	52,856		06 JAN 83	8301(EM)
MEDLINE	749,130	JAN 80-APR 83	07 MAR 83	8304(EM)
MED77	775,423	JAN 77-DEC 79	13 DEC 82	
MED75	642,927	JAN 75-DEC 76	13 DEC 82	
MED71	884,055	JAN 71-DEC 74	28 FEB 83	
MED66	955,058	JAN 66-DEC 70	13 DEC 82	
MESH VOC	46,650	1983	21 MAR 83	
NAME AUTH	142,814		21 MAR 83	
PDQ	901		21 MAR 83	8302(EM)
POPLINE	109,001	1970-MAR 83	14 MAR 83	8303(EM)
RTECS	57,085	1979 ED.-OCT 82	06 DEC 82	
SDILINE	25,219	APR 83	07 MAR 83	
SERLINE	40,760	1983	18 JAN 83	
TDB	4,021		28 FEB 83	
TOXLINE	546,148		28 FEB 83	8302(EM)
CBAC	273,220	1979-VOL 98(2,3)		
TOXBIB	93,418	1979-MAR 83		
IPA (ASHP)	20,430	1979-VOL 20(1,2)		
HEEP	43,605	1979-VOL 12(3)		
PESTAB	8,209	1979-VOL 14(DEC 81)		
EMIC	37,996	1950-DEC 82		
ETIC	27,095	1950-JAN 83		
RPROJ	28,306	1979-FEB 82		
TD3	13,994	GRA & I 82(23-24)		
TOXBACK74	474,653		19 APR 82	
CBAC	265,253	1974-1978		
TOXBIB	103,386	1974-1978		
IPA (ASHP)	30,606	1974-1978		
HEEP	61,871	1974-1978		
PESTAB	13,537	1974-1978		
*TOXBACK65	387,377		19 APR 82	
CBAC	196,015	1965-1973		
TOXBIB	112,170	1968-1973		
IPA	21,973	1969-1973		
HEEP	29,662	1970-1973		
HAPAB/PESTAB	12,966	1968-1973		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1973		

* = AVAILABLE ONLY THRU OFFSEARCH

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Bethesda, Maryland 20209

TECHNICAL NOTES

Whenever applicable, the headings of each Technical Note will include 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.

SDI SERVICE ON AVLINE/CATLINE/POPLINE (Manual 5.2.5) - Automatic SDI Service on AVLINE, CATLINE, and POPLINE will begin with the April 1983 updates. See the articles on pages 5, 6 of this issue for details. The SDI charge of $1.00/search/database, as well as the $.18 per page charge, will apply to these searches.

CLINPROT UPDATED MONTHLY (Manual 18.1) - Beginning with the February 1983 update, the CLINPROT database will be updated monthly. This will bring CLINPROT into conformity with the PDQ database which is also updated monthly. The PDQ and CLINPROT databases are closely related; PDQ contains the active, NCI-supported protocols from CLINPROT.

FOR (LA) TAG (Manual 7.3.15) - The tag, FOR (LA), appears only on citations to articles that are written in a language other than English. Citations to articles that are bilingual, trilingual, etc., but where English is not one of the languages, also receive this tag. A citation to a bilingual article where one of the languages is English, however, does not receive the FOR (LA) tag. This means that the following two strategies retrieve the same citations:

HEART DISEASES AND ENG (LA)

HEART DISEASES AND NOT FOR (LA)

Both retrieve all citations to articles on HEART DISEASES and in the English language; citations to bilingual, trilingual, etc. articles on HEART DISEASES are also retrieved provided one of the languages of the article is English. The 'AND NOT FOR (LA)' strategy results in fewer time overflows and may therefore be preferable in some instances. The strategy:

HEART DISEASES AND FOR (LA)

retrieves only citations to articles exclusively written in languages other than English.

NEW SORT FORMAT FOR TOXLINE SDIs (Manual 5.2.5) - Beginning with the April update, the default SORT format for TOXLINE automatic SDI printouts will be AUTI rather than JNL. The citations will print out in alphabetical order by the first author's surname; two or more items with the same author(s) will be further sorted in alphabetical order by the first word of the title. If you wish to receive printouts sorted by journal title rather than by author's name, please contact MEDLARS Management Section before April 20.

ACQUIRED IMMUNODEFICIENCY SYNDROME - Because of the great importance of this subject, NLM has added this heading to MeSH, effective immediately. Citations containing the heading will begin appearing in the database with the 8306 (EM) update to MEDLINE. Searchers are cautioned, however, that only new citations will contain the heading. Text Words and/or IMMUNOLOGIC DEFICIENCY SYNDROMES, the heading under which this concept was formerly indexed, should continue to be used to ensure complete retrospective retrieval on the subject. You may update your 1983 MeSH with the following information:

ACQUIRED IMMUNODEFICIENCY SYNDROME
C20.673.65
(83)
X Immunodeficiency Syndrome, Acquired
X Immunologic Deficiency Syndrome, Acquired
X AIDS

TDB UPDATE - The Toxicology Data Bank (TDB) was updated on February 28, 1983. The file now contains 4,021 records of which 3,231 are complete. Of the completed records, 1,117 were revised in the 1980-1982 period. Listings of compounds whose records appear in the TDB will be sent to users who have requested them previously. Other users may obtain these listings by writing the Toxicology Information Program, National Library of Medicine.

LIST OF JOURNALS INDEXED IN INDEX MEDICUS, 1983 - The List of Journals Indexed in Index Medicus, 1983 (LJI) may now be ordered from the Government Printing Office, Washington, DC 20402 (expected publication date: early April). The price is $7.00 (domestic) or $8.75 (foreign); the Stock Number is 017-052-00239-2. Remittance should accompany orders.

NOTES FOR MEDICAL CATALOGERS, 1982 - Since 1981, each quarterly issue of the NLM Current Catalog, has contained an appendix of "Notes for Medical Catalogers" - articles and news announcements describing the cataloging policies, procedures, and bibliographic databases of NLM's Cataloging Section, Technical Services Division. The four sections of Notes published in 1982 have been reprinted as one report which can be ordered from the National Technical Information Service (Springfield, VA 22161). Order by full title and accession number - Notes for Medical Catalogers, 1982 (PB83-170860). Price: $11.00 ($4.50 microfiche). The 1981 issue of Notes is also available from NTIS: PB82-196569, $13.50 ($4.50 microfiche).

PLEASE TYPE NEWS TO SEE MOST RECENT

NEWS ITEMS ONLINE

EXPANSION OF AUTOMATIC SDI SERVICE: AVLINE, CATLINE, AND POPLINE

Sheila T. Proudman, MEDLARS Management Section, NLM

Automatic SDI service is now available on three more NLM databases: AVLINE, CATLINE, and POPLINE. If you have one or more search strategies that are routinely used on any of these databases, you can now store the searches with automatic SDI names, send in an automatic SDI request form for the desired database(s), and begin receiving monthly printouts.

Service on these databases will begin with the April entry month. POPLINE is usually updated the second weekend of the month; automatic searches will be processed the week following each update. The update tag for POPLINE is the same as the month in which the update takes place: for example, the April update will occur April 9-10, and the tag will be 8304 (EM). AVLINE and CATLINE automatic SDI searches will be processed monthly; they will be run during the first week of each month and will contain items entered into the databases during the previous month. Thus, the searches you receive in May will contain items entered during April, and the cover message will say "8304 Entry Month."

Before storing any automatic SDI search it is helpful to review the STORESEARCH procedure, particularly the naming rules, found in PART 5.2 of the Online Services Reference Manual. On the back of the automatic SDI request form enclosed with this issue you will find specifications for the first five characters of an automatic SDI search name. These must always consist of: a single letter to designate which database (A for AVLINE, B for CATLINE, P for POPLINE) the search is to be run against, a three-digit number to designate the PRINT and SORT format for the printout, and a space. PRINT or SORT formats for these three databases can be changed for any number range; use the lines provided on the front of the form to describe the format(s) you wish. To begin service, submit only one form per database regardless of how many searches will be stored. There will be a one dollar ($1.00) charge per automatic SDI search per database each month, plus page charges for the printouts.

Read the other articles in this issue of the Technical Bulletin offering search hints for automatic SDI searches on these three databases.

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AUTOMATIC SDI SERVICE FOR AVLINE AND CATLINE

Alice E. Jacobs, AVLINE Coordinator, NLM

Beginning in April 1983, NLM's Automatic SDI Service will be expanded to include the AVLINE and CATLINE databases (see announcement on page 5 of this issue). Monthly printouts of citations from these files will be particularly useful in providing subject-oriented lists of books or audio-visuals to faculty or acquisitions staff.

In order for a stored search to be 'found' by the computer when the monthly automatic SDIs are generated, special naming conventions (see the Online Services Reference Manual, Part 5.2.5) must be followed and caveats for the AVLINE and CATLINE stored search formulations, outlined below, are advised.

In addition, a separate "NLM Automatic SDI Service Request Form" for each database must be completed and sent to MMS. Therefore, if automatic SDIs for both AVLINE and CATLINE are to be initiated, two forms must be submitted. A copy of the form, revised to include SDI specifications for three additional databases (AVLINE, CATLINE, and POPLINE), is enclosed with this issue.

AVLINE automatic SDIs will be processed each month against all citations within the range of dates of entry added during the month. For example, April 1983 AVLINE automatic SDIs will cover entry dates between 830401 and 830430. The searches will be processed on the first Monday of the following month. Because of the relatively small size of the AVLINE database, users are advised that stored searches should be formulated by EXPLODING on broad MeSH terms, preferably those marked in the MeSH publications by a large black dot. This dot indicates that these terms are Pre-Explosions in MEDLINE AND HEALTH; since Pre-Explosions are not available in AVLINE, it is necessary to use the EXPLODE TERM capability. These are the subject terms most likely to provide a retrieval when EXPLODEd in AVLINE because they encompass a number of additional terms in the hierarchy of the Medical Subject Headings Tree Structures.

CATLINE automatic SDIs will also be processed monthly against the date of entry range for the month, excluding any retrospective records. Limited cataloging records will be retrieved unless excluded from the stored searches with the Boolean statement "AND NOT L (EL)" in the stored search formulation. This is left to the user's discretion. Remember that PRT CC (Catalog Card) is not available as an offline print option. CATLINE searches will also be processed the first Monday of the following month.

For further details on preparing stored searches, please refer to Part 5 of the Online Services Reference Manual.

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POPLINE AUTOMATIC SDI CAPABILITY

Ann J. Preiss, The Johns Hopkins University and MEDLARS Management, NLM

POPLINE automatic SDI service will become available in April 1983 (see announcement on page 5 of this issue). Naming conventions must be followed as always. POPLINE automatic SDIs will be processed during the second week of each month following the regular file update.

Searchers interested in having monthly updates on specific topics relevant to this database are reminded to use the POPLINE vocabulary assigned in indexing the citations when appropriate. These terms are identified as Keywords (KW) in the records. For example, a search on the current topic of Depo-Provera can best be accomplished by searching with DEPO-PROVERA (KW). If the term is not qualified, the searcher will receive an NP (No Postings) message as this Keyword is not mapped to MeSH due to the chemical records in the MeSH Vocabulary File. (See Section 24.4.15 of the Online Services Reference Manual for a more detailed explanation.) For most Keywords, if the term is not qualified it will map to a corresponding MeSH heading, which may cover a broader subject area than the specific Keyword. For example, a search on the Keyword CERVICAL CAP, unqualified, will map to the MeSH heading CONTRACEPTIVE DEVICES, FEMALE, retrieving articles that are about any type of female contraceptive device, not just cervical caps.

NHPIC DATA ADDED TO HEALTH FILE

Lou Wave S. Knecht, MEDLARS Management Section, NLM

The National Health Planning Information Center (NHPIC) in cooperation with the NLM is adding 9,451 document citations to the HEALTH file with the May 1983 update on April 11. The documents cited are all English, non-journal publications in the health planning area and have been previously cited in Weekly Government Abstracts: Health Planning Series which is published by NTIS. Most of the documents are technical reports; the remainder are monographs, monographic chapters, or theses. The years of publication covered in this retrospective addition are 1975-1981, and the MeSH headings correspond to the 1983 MeSH Vocabulary.

Searching

In general the NHPIC citations resemble the records already present in the HEALTH file (see sample record below). Many of the data elements are exactly the same, e.g., Author (AU), Title (TI), Abstract (AB). However, because the data were converted into ELHILL format from a previously automated format, some differences in presentation of the data do exist, notably in the Source (SO) field. Also, new data elements and new valid search values for old ones have been defined, and the print and sort formats have been revised (see summary tables below).

Because these NHPIC records are indexed with MeSH and enhanced with abstracts, general searching strategy remains the same, i.e., MeSH heading/subheading searching, explosions, pre-explosions, and Text Words. Special search features of the NHPIC records include document ordering numbers and procurement sources, publication types, and corporate names. The abstracts present on the NHPIC records were not written by the authors but rather were prepared by various organizations. Possible values in the AA (Abstract Author) field are:

APHA for American Public Health Association;
ERIC for Educational Resources Information Center;
NHPIC for National Health Planning Information Center; and
NTIS for National Technical Information Service.

In order to retrieve all citations with abstracts online, a searcher must enter the following:

USER:
(AA) APHA OR ERIC OR NHPIC OR NTIS OR AUTHOR OR AAMC

and AND the result with the subject search.

The values 'AUTHOR' and 'AAMC' are already present in HEALTH for the MEDLINE- and American Hospital Association-derived records. If limiting searches to citations with abstracts online is a routine part of your searching, you may wish to consider a SAVESEARCH of the above strategy and name it ABSTRACTS or AA. It would be much simpler to enter 'AND ABSTRACTS (SN)' than to type the lengthy statement.

Automatic SDI Program/SORT Formats

The addition of the NHPIC data to HEALTH affects the Automatic SDI Program in three ways: 1. The NHPIC data will be retrieved in the automatic SDIs for the 8305 Entry Month, so resulting printouts for that month may be larger. (At this time, future additions of NHPIC-produced data to the HEALTH file are uncertain.) 2. The precoded JNL (i.e., Journal) SORT format, which is the default for HEALTH automatics, has been changed from 'TA A, DP D, VI D, IP D, PG A' to 'TA A, DP D, IM A, VI D, IP D' in order to accommodate these non-journal NHPIC citations. Two other precoded SORT formats were also altered (see summary table). 3. The specific print number ranges will include the new NHPIC data elements as appropriate. In particular, the H401-600 range has been changed to PRT FU INCLUDE TT, AB and now subsumes all data elements added to PRT FU, i.e., SI, CN, SA, TC, OD, and PC (see summary table).

Document Delivery

The NHPIC documents cited may be in the NLM collection and available for loan under standard interlibrary loan procedures. A CATLINE search should be done for verification purposes. However, most NHPIC citations do carry a Procurement Source (PC) and Order Number (OD) data element. By contacting the entity in the PC field, you can order a copy of the document for a fee using the number in the OD field. The following are the current PC codes and addresses:

Code	Address
NTIS	National Technical Information Service 5285 Port Royal Road Springfield, VA 22161
UMI	University Microfilms International 300 N. Zeeb Road Ann Arbor, MI 48106
GPO	Superintendent of Documents U.S. Government Printing Office Washington, DC 20402
ERIC	ERIC Document Reproduction Service P.O. Box 190 Arlington, VA 22210

Access to this substantive, non-journal literature of the health planning field should be helpful to the NLM user community. Detailed replacement pages for the HEALTH chapter of the Online Services Reference Manual will be mailed with a future NLM Technical Bulletin.

Tables and sample record follow. . .

SUMMARY TABLE OF NEW DATA ELEMENTS FOR NHPIC RECORDS

Category Qualifier	Element Name	Search Status	Comment
AW	Award Type	*	'C' indicates a contract; 'G' indicates a grant.
CN	Corporate Name	*,TW	Primary author/sponsor, if a corporate body.
CO	Collation		Total number of pages.
GN	General Notes		Supplemental notes concerning related documents, special identification numbers, etc.
IM	Imprint		Place of publication: Publisher, Date.
MI	Monographic Information	TW	IN: statement identifying the parent work.
MT	Main Entry Type	*	'C' indicates Corporate Author; 'P' indicates Personal Author; 'T' indicates Title.
OD	Order Number	*	Number used for vendor-supplied documents by which said documents may be ordered. See also PC field.
PC	Procurement Source	*	Code for vendor from which document can be obtained. Valid values are: NTIS, ERIC, UMI, and GPO. Addresses in text of article. See also OD field.
PT	Publication Type	*	Valid values are: Technical Report; Monograph; Monograph Chapter; and Thesis. N.B. There is no tag for journal article.
SA	Supporting Agency	*,TW	Names of sponsors/organizations other than the primary corporate name that is in the CN field.
SE	Series Title	*,TW	Series name and number.

SUMMARY TABLE OF NEW DATA ELEMENTS FOR NHPIC RECORDS

Category Qualifier	Element Name	Search Status	Comment
SI	Secondary Source ID	*	Alphanumeric identifying the secondary supplier of the citation, e.g.: SI - NP/023223 N.B. This tag is currently on NHPIC records only ('NP' stands for NHPIC). It can be searched in two ways - the entire value or the value preceding the slash, e.g.: NP/023223 (SI) NP (SI) The latter method would retrieve the complete NHPIC subset.
SO	Source		This field is not new, but has been extensively revised to include the non-journal source data elements. The SO field is now a composite of the following fields: TA, MI, DP, IM, VI, IP, PG, CO, SE. The presentation of these component parts varies according to publication type and, in some cases, includes redundant year data. The redundancy was necessary to ensure the creation of the searchable Year (YR) field.
TC	Title Continuation	TW	Additional or supplemental title information; often consists of phrases such as 'Final Report.'

* = directly searchable
TW = Text Word searchable

SUMMARY TABLE OF PRECODED SORT FORMAT CHANGES FOR HEALTH

SORT Name	Old Format	New Format
JNL	TA A, DP D, VI D, IP D, PG A	TA A, DP D, IM A, VI D, IP D
AUTI	AU A, TI A	CN A, AU A, TI A
TIAU	TI A, AU A	TI A, CN A, AU A

SUMMARY TABLE OF REVISED PRINT COMMANDS FOR HEALTH

PRT: SI, AU, CN, TI, OD, PC, SO

PRT FU: SI, AU, CN, SA, TI, TC, OD, PC, LA, MH, CA, SO

PRT DL: SI, AU, CN, SA, TI, TC, OD, PC, LA, PT, MH, ID, AW, GN, DA, MI, IM, CO, SE, DP, IS, TA, LR, RO, LI, UI, PG, SB, ZN, MT, EA, IP, NI, RF, PS, TT, VI, JC, AA, CA, EM, AB, SO

PRT AR: SI, AU, CN, TI, OD, PC, AB, SO

SAMPLE NHPIC RECORD

1
SI - NP/028053
AU - Tynan EA ; Landes D ; Hugos CN ; Holub DT ; Breed LD
CN - Colorado Univ. Health Sciences Center, Denver.
SA - Health Care Financing Administration, Baltimore, MD. Office of Research, Demonstrations, and Statistics.
TI - An Evaluation of Swing-Bed Experiments to Provide Long-Term Care in Rural Hospitals. Volume II: Final Technical Report.
OD - HRP-0903147/7
PC - NTIS
LA - Eng
PT - Technical Report
MH - *Hospital Planning ; Utah ; Texas ; Iowa ; South Dakota ; *Rural Health ; *Long Term Care ; Hospital Bed Capacity
ID - SSA-600-77-0051
AW - C
GN - See also Volume 1, PB81-132334.
CO - 290 p.
SE - DHHS publication ; no. (HCFA) 81/03083
DP - 1981 Mar
UI - 05002171
ZN - Z1.107.567.875
MT - C
AA - NTIS
EM - 8305
AB - The report series on the evaluation of the swing-bed experiments in Utah, Texas, Iowa, and South Dakota consists of several documents, all of which are listed in the 'References' section of this report. This document is the second of two volumes which contain final results of the evaluation of three swing-bed projects: the two Reducing Acute Care Costs (RACC) experiments in Texas and western Iowa/South Dakota, and the Iowa Swing-Bed Project (ISBP) in central Iowa. Volume I, the summary report, describes the overall findings and implications of the evaluation and is intended for a non-technical audience. This volume is the technical report and contains, in addition to findings and implications, a discussion of the methodological aspects of the evaluation including data sources and statistical methods.
SO - 1981 Mar;290 p. (DHHS publication ; no. (HCFA) 81/03083)

INITIAL ONLINE TRAINING CLASSES - RML 4 AND RML 7

Patricia E. Clark, MEDLARS Management Section, NLM

The National Library of Medicine has awarded contracts to two Regional Medical Libraries for the purpose of conducting NLM Initial Online Services Training classes. The Regional Medical Library Program (RML 4) at the University of Nebraska in Omaha and the Pacific Southwest Regional Medical Library Service (RML 7) at the University of California in Los Angeles are the recipients of these contracts. The contracts were awarded for three years effective March 1, 1983.

Initial Training classes offered by these two RMLs will provide the same agenda and course content as the Initial classes at NLM. Completion of these classes fulfills the requirement of attending training before a MEDLARS access code is awarded. In addition, the Medical Library Association continuing education credits in the form of contact hours are available based upon attendance at the classes sponsored by these RMLs.

In February, the National Library of Medicine adopted a modularized format for its Initial Training class (see NLM Technical Bulletin, November 1982). Both Omaha and UCLA teaching personnel will also utilize the modular format.

The Midcontinental Regional Medical Library in Omaha and the Pacific Southwest Regional Medical Library Service at UCLA will serve as national training centers. Therefore, online users from any region are eligible to attend training classes offered by these centers. Although the site and the instructors for the Initial classes will be sponsored by the two RMLs, the scheduling and registration of participants for all classes will continue to be handled by the National Library of Medicine. Upon completion of a training application, please send the form to the MEDLARS Management Section, NLM. A copy of the application form was included in the November 1982 NLM Technical Bulletin, or it may be obtained from MMS.

The following is the revised April to December 1983 schedule of classes, which incorporates NLM's current schedule of classes with those new training sites.

See schedule next page . . .

NLM ONLINE SERVICES TRAINING
TENTATIVE
1983 SCHEDULE

APRIL	6-8	ABBREVIATED ADVANCED	DALLAS (NLM)
	11-15	INITIAL	NLM
	20-22	ABBREVIATED ADVANCED	OMAHA (NLM)
	25-29	ADVANCED	NLM
	25-29	INITIAL	UCLA
MAY	2-6	INITIAL	NLM
	2-6	INITIAL	OMAHA
	11-13	ABBREVIATED ADVANCED	CHICAGO (NLM)
	16-20	INITIAL	NLM
	16-20	INITIAL	UCLA
JUNE	6-10	INITIAL	NLM
	13-17	INITIAL	BERKELEY (RML 7)
	20-24	INITIAL	NLM
	27-JULY 1	INITIAL	OMAHA
JULY	6-8	ABBREVIATED ADVANCED	SEATTLE (NLM)
	11-15	ADVANCED	NLM
	18-22	INITIAL	NLM
	25-29	INITIAL	CHICAGO (RML 4)
AUGUST	3-5	ABBREVIATED ADVANCED	UCLA (NLM)
	8-12	INITIAL	NLM
	15-19	INITIAL	OMAHA
	17-19	ABBREVIATED ADVANCED	NEW YORK (NLM)
	22-26	INITIAL	NLM
SEPTEMBER	12-16	ADVANCED	NLM
	12-16	INITIAL	UCLA
	26-30	INITIAL	NLM
OCTOBER	3-7	INITIAL	OMAHA
	17-21	INITIAL	NLM
	24-28	INITIAL	DALLAS (RML 4)
	31-NOV. 4	ADVANCED	NLM
	31-NOV. 4	INITIAL	SEATTLE (RML 7)
NOVEMBER	8-10	ABBREVIATED ADVANCED	ATLANTA (NLM)
	14-18	INITIAL	NLM
DECEMBER	5-9	INITIAL	NLM
	5-9	INITIAL	UCLA
	12-16	INITIAL	OMAHA

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - February 1983
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. 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.

BONE AND MINERAL RESEARCH ANNUAL
1,1982--
EXCERPTA MEDICA
AMSTERDAM NETHERLANDS
IN PROCESS
B31870000
$80.75

CHILD AND FAMILY BEHAVIOR THERAPY
4N1,SPRING 1982--
HAWORTH PRESS
CONTINUES: CHILD BEHAVIOR THERAPY.
NEW YORK UNITED STATES
HAWORTH PRESS INC., 28 EAST 22ND STREET, NEW YORK NY 10010
IN PROCESS
C18030000

CLINICAL PROGRESS IN PACING AND ELECTRO PHYSIOLOGY
1N1,MAR 1983--
FUTURA PUBLISHING
MT KISCO NY UNITED STATES
ON ORDER
C26605000
$40.00

DIRECTIONS IN PSYCHIATRY
1,1981?--
HATHERLEIGH COMPANY
NEW YORK UNITED STATES
DIRECTIONS IN PSYCHIATRY, 420 E 51 ST, NEW YORK 10022
ON ORDER
D11107000

INTERNATIONAL JOURNAL OF DEVELOPMENTAL NEUROSCIENCE
1,1983--
PERGAMON
OXFORD ENGLAND
ON ORDER
I26745000
$150.00

IM INTERNATIONAL JOURNAL OF TISSUE REACTIONS
2N2,JUN 1980--
BIOSCIENCE EDIPRINT
CONTINUES: INTERNATIONAL JOURNAL ON TISSUE REACTIONS. CALLED ALSO: TISSUE REACTIONS.
GENEVA SWITZERLAND
TISSUE REACTIONS, SUBN DEPT RUE WINKELRIED 8 1211 GENEVA 1, SWITZERLAND
IN PROCESS
I28245500

INTERNATIONAL WORKSHOP ON ARCHAEBACTERIA
1ST,1981--
GUSTAV FISCHER
STUTTGART GERMANY, WEST
GUSTAV FISCHER VERLAG, WOLLGRASWEG 49, D-7000, STUTTGART, WEST GERMANY
IN PROCESS
I35262000

JOURNAL OF EMERGENCY MEDICINE
1,1983--
PERGAMON
OXFORD ENGLAND
ON ORDER
J19875000
$75.00

JOURNAL OF NUTRITION, GROWTH AND CANCER
1N1,SPRING 1983-
FOOD AND NUTRITION PRESS
WESTPORT CT UNITED STATES
ON ORDER
J32287000
$80.00

NEUROCHEMICAL PATHOLOGY
1,1983--
HUMANA PRESS
CLIFTON NJ UNITED STATES
ON ORDER
N12495000
$90.00

IM PRESSE MEDICALE
12N1,JAN 8 1983--
MASSON
CONTINUES NOUVELLE PRESSE MEDICALE.
PARIS FRANCE
IN PROCESS
P24030000

IM PRESSE MEDICALE
12N1,JAN 8 1983--
MASSON
CONTINUES NOUVELLE PRESSE MEDICALE.
PARIS FRANCE
IN PROCESS
P24030000

IM VIRCHOWS ARCHIV. A. PATHOLOGICAL ANATOMY AND HISTOPATHOLOGY
398N1,1982--
SPRINGER VERLAG
CONTINUES VIRCHOWS ARCHIV.A. PATHOLOGICAL ANATOMY AND HISTOLOGY.
BERLIN GERMANY,WEST
IN PROCESS
V07530000

ISSN 0146-3055
APRIL 1983
NO. 168

THE NLM TECHNICAL BULLETIN

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Appendix A - Date of Entry (DA) Ranges for INDEX MEDICUS Years

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Contents Not Copyrighted • Freely Reproducible

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • National Institutes of Health
National Library of Medicine

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	11,400	THROUGH 1983	15 APR 83	
BIOETHICS	14,752	JAN 73-FEB 83	18 APR 83	8304(EM)
CANCERLIT	343,336	JAN 63-APR 83	18 APR 83	8304(EM)
CANCERPROJ	21,117	1978-1981	12 NOV 81	8110(EM)
CATLINE	501,404	THROUGH 1983	18 APR 83	
CHEMLINE	558,043		14 MAR 83	8303(EM)
CLINPROT	3,714		28 MAR 83	8303(EM)
HEALTH	239,727	JAN 75-MAY 83	18 APR 83	8305(EM)
HISTLINE	54,046		18 APR 83	8303(EM)
MEDLINE	774,679	JAN 80-MAY 83	04 APR 83	8305(EM)
MED77	775,399	JAN 77-DEC 79	18 APR 83	
MED75	642,927	JAN 75-DEC 76	13 DEC 82	
MED71	884,055	JAN 71-DEC 74	28 FEB 83	
MED66	955,058	JAN 66-DEC 70	13 DEC 82	
MESH VOC	46,915	1983	18 APR 83	
NAME AUTH	143,374		18 APR 83	
PDQ	915		28 MAR 83	8303(EM)
POPLINE	109,542	1970-APR 83	11 APR 83	8304(EM)
RTECS	57,085	1979 ED.-OCT 82	06 DEC 82	
SDILINE	25,558	MAY 83	04 APR 83	
SERLINE	41,187	1983	04 APR 83	
TDB	4,021		28 FEB 83	
TOXLINE	557,707		28 MAR 83	8303(EM)
CBAC	280,303	1979-VOL 98(4,5)		
TOXBIB	96,153	1979-APR 83		
IPA (ASHP)	21,034	1979-VOL 20(3,4)		
HEEP	44,742	1979-VOL 12(4)		
PESTAB	8,209	1979-VOL 14(DEC 81)		
EMIC	37,996	1950-DEC 82		
ETIC	27,095	1950-JAN 83		
RPROJ	28,306	1979-FEB 82		
TD3	13,994	GRA & I 82(23-24)		
TOXBACK74	474,653		19 APR 82	
CBAC	265,253	1974-1978		
TOXBIB	103,386	1974-1978		
IPA (ASHP)	30,606	1974-1978		
HEEP	61,871	1974-1978		
PESTAB	13,537	1974-1978		
*TOXBACK65	387,377		19 APR 82	
CBAC	196,015	1965-1973		
TOXBIB	112,170	1968-1973		
IPA	21,973	1969-1973		
HEEP	29,662	1970-1973		
HAPAB/PESTAB	12,966	1968-1973		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1973		

* = AVAILABLE ONLY THRU OFFSEARCH

Editor: Carolyn B. Tilley
Assistant Editor: Rose Marie Woodsmall
Technical Notes Editor: Patricia E. Healy
Production Assistant: Mildred D. Mader
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 headings of each Technical Note will include 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.

CATLINE/AVLINE UPDATE SCHEDULE - Effective April 21, 1983, NLM will change the weekly updates of the CATLINE and AVLINE databases to Thursday mornings between 6:00 AM and 8:30 AM Eastern Time. These two databases will be unavailable to online users during this period each Thursday morning. All other databases will be available as scheduled. This new update schedule is a change from the one implemented in September 1981 when CATLINE and AVLINE were updated on Thursday evenings and unavailable to online users between 5:00 PM and 6:30 PM Eastern Time.

TOXLINE SDIs SORT FORMAT - As was pointed out in the March 1983 issue of the NLM Technical Bulletin, the new default SORT format for TOXLINE automatic SDI printouts is AUTI. However, if you have submitted a form specifying elements for searches numbered T701-T800, or overriding the default print elements in any number range, the SORT will remain JNL unless otherwise specified. If you have already specified AUTI as the SORT format, no further action is necessary; but if you have not specified a SORT format for overridden or tailored print elements, then JNL is assumed, and you must notify MEDLARS Management Section if you wish it changed to AUTI.

Toxline: SDIs, new sort format

MEMORIAL DAY HOLIDAY SCHEDULE - On Monday, May 30, 1983, the NLM computer will be down all day in observance of the Memorial Day holiday.

under Holiday Schedule: Memorial Day, 1983

PROPOSED CANCERLIT CHANGES - The National Cancer Institute (NCI), in cooperation with the NLM, is redesigning the indexing/input flow for CANCERLIT citations. A search profile is being constructed to run against SDILINE. The citations retrieved will be added to CANCERLIT. This will eliminate duplicate indexing and keyboarding at the two institutions. A core list of cancer journals will be identified and labelled as EXPRESS. Citations from these EXPRESS journals will also appear in a new, separate database. CANCERLIT will continue to have citations from sources other than MEDLINE. Watch the online NEWS and future issues of the Technical Bulletin for details on these proposed changes. A tentative implementation date is for late spring/early summer.

PDQ: FREE CONNECT TIME - At the request of the National Cancer Institute, non-billed online access for the PDQ database will be extended through June 1983. OFFSEARCHes will continue to be charged at $1.00; pages for PDQ are $.18 each.

CALL WAITING SERVICE - It was recently brought to the attention of MEDLARS Management Section that some searchers are using telephones with the "Call Waiting" option to access the MEDLARS system. Since this option causes an interrupt on the telephone communications line when a call is waiting, these users are being routinely disconnected from the system when they receive another call on the same telephone line while connected to MEDLARS. For best results in accessing MEDLARS, a dedicated phone line that does not go through a switchboard or does not have another purpose is desirable.

EXPLODING TERMS - When Exploding a MeSH Heading in any database that permits it, do not qualify the term being Exploded with (MH), even if MeSH Headings must normally be qualified in that database, e.g., CANCERLIT. All Explosions should be entered without qualifier:

EXP TERM

Use of the (MH) as a post-qualifier in an Explode causes the Explosion instruction to be overriden and only citations indexed with that particular MeSH Heading to be retrieved.

UPCOMING REGIONAL TRAINING CLASS - Searchers in Region 6 (Pacific Northwest RML) should take special note of the upcoming Abbreviated Advanced course in Seattle, Washington from July 6-8, 1983. Individuals from this and other regions who want to attend should contact the MEDLARS Management Section for a training application or use the application included with the November 1982 Technical Bulletin.

Class size is limited to fifty persons, one per institution. Additional persons from the same institution will be admitted if space permits. If submitting applications for more than one searcher, please indicate which searcher has priority for attendance.

PAGINATION ERROR REPORTS FOR MEDLINE - MEDLARS Management has received a number of pagination error reports for two journals in the MEDLINE database:

1. Hospital Practice (New York)

2. Legal Aspects of Medical Practice (New York)

When staff members pulled the journals from the shelf they found that the pagination was correct as reported in MEDLINE for the issue received by the National Library of Medicine. Upon further investigation it was discovered that the publishers

of these two journals publish two discrete copies of each issue: 1) an issue with advertisements sent to most subscribers with these advertisements included in the pagination; and 2) an issue without the advertisements included in the pagination. The latter is the format that NLM receives. The content of these two copies does not differ in any other way. Searchers retrieving citations to these journals should advise their interlibrary loan librarians of this discrepancy so they can note on the loan requests that the journal's Table of Contents should be checked if the article does not appear on the pages indicated. Patrons should also be advised.

At the present time, NLM knows of no other journals that distribute multiple editions, with differing pagination, within the United States. However, some journals publish foreign editions that differ in pagination from the U.S. edition. An example is Nursing (Horsham). Moreover, some U.S. journals publish foreign editions having content that differs from the corresponding U.S. edition. In all cases, the U.S. edition is the only one that is indexed. Users should continue to report pagination errors or any other errors in MEDLINE to MEDLARS Management Section for immediate attention.

7

FREQUENCY OF THE JOURNAL DRUG THERAPEUTICS - Recently the MEDLARS Management Section has received a number of error reports concerning citations from the journal Drug Therapeutics (Drug Ther (TA)). Users have reported that a volume and issue were missing from the Source field of these citations. A volume/issue fails to appear on these citations because this journal is an annual publication with only a year designation and no volume designation. The SERLINE record reflects the accurate information for this journal.

LIST OF SERIALS INDEXED FOR ONLINE USERS, 1983 - The List of Serials Indexed for Online Users, 1983 may now be ordered from the National Technical Information Service (NTIS). A delivery date of on or about May 1983 is expected. The publication number is PB83-180851; the domestic price is $10.00 hardcopy and $4.50 microfiche.

Serials 154

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 30, 1983, at 12:45 p.m. - 1:30 p.m. in the Venetian Room of the Shamrock Hilton in Houston, Texas. All NLM online users are encouraged to attend.

TB INDEX - Appendix B is the revised index to the NLM Technical Bulletin, issues January 1979 through February 1983.

Jan '79 - Feb '83
Appendix B

SEARCH HINT: USING DATE OF ENTRY (DA) RANGES

Patricia E. Healy and Lou S. Knecht
MEDLARS Management Section, NLM

Enclosed as Appendix A are the Date of Entry (DA) ranges for the MEDLINE databases (MED66, MED71, MED75, MED77, MEDLINE). These date ranges correspond to the Index Medicus (IM) year (i.e., a particular annual issue of IM indexed using a particular year's version of the MeSH Vocabulary). These ranges do not necessarily include all the Dates of Entry (DA) actually present in each of these MEDLINE databases. This discrepancy between the Index Medicus date ranges and the actual database date ranges occurs because of the way the backfile databases are created. The MED66 and MED71 backfiles were created by segmenting on the IM Dates of Entry. However, since MED75, citations for backfiles are generally "pulled " by Year of Publication (YR). Therefore, a 1976 citation indexed for Index Medicus in 1977 (meaning it has a 1977 IM Date of Entry) appears in MED75 on the basis of its year of publication; its Date of Entry (DA), however, will be greater than the "official" IM Dates of Entry for MED75.

> NOTE: Throughout this article, "Index Medicus year" refers to the year as it is reflected in the MEDLINE database. In MEDLINE, these date ranges include more citations than would be found in a particular annual Index Medicus issue for a subject search. The additional citations come from two sources: 1) journals indexed for the Special Lists (e.g., International Nursing Index, Index to Dental Literature) but not included in Index Medicus, and 2) minor descriptors, and headings that are not the main point of the article (i.e., headings without an asterisk (*)). While citations with these headings are not printed in IM, they are searchable online. Therefore, there may not always be a one-to-one correspondence between an issue of Index Medicus and MEDLINE. Nevertheless, the actual Index Medicus "pull" dates are valid for all citations in MEDLINE regardless of whether or not the citation is an IM citation.

What this means for the searcher is:

1. If you are using the Date of Entry (DA) ranges to segment a MEDLINE database, only the ranging instructions GREATER THAN or LESS THAN should be used. For instance, if you knew a search statement in an OFFSEARCH was going to retrieve more than 500 citations (the OFFSEARCH print limit per search statement is 500 citations), and you wanted all these citations printed, entry dates are one way to segment the retrieval. An example of segmenting a MED75 search statement retrieval in an OFFSEARCH might be:

```
*STS* SS 4/C?
USER:
3 AND LESS THAN 751120 (DA)

*STS* SS 5/C?
USER:
3 AND GREATER THAN 751119 (DA)
```

In the SSNOS/OVRIDES? part of the OFFSEARCH, printing of search statements 4, 5 should be requested, rather than printing of search statement 3. (NOTE: Both GREATER THAN or LESS THAN ranging instructions are exclusive, meaning the Date of Entry used with the instruction is not searched. Searching begins at the Date of Entry following or preceding this number. Using the LESS THAN and GREATER THAN strategies neatly divides the retrieval into two parts from the middle regardless of the actual Dates of Entry at either end.)

2. If you are using the Date of Entry (DA) ranges to limit a MeSH Heading search to the Index Medicus years when the heading was valid (e.g., you are searching all the backfiles and the MeSH Heading became a valid search term in 1979), any of the ranging instructions may be used (GREATER THAN _____ , LESS THAN _____ , FROM _____ TO _____(DA)). Due to the manner in which the backfiles are created, however, it is expeditious, in most cases, to search Dates of Entry using the LESS THAN or GREATER THAN instructions rather than the FROM _____ TO _____ instruction. This will ensure complete retrieval of all the citations on a subject in MEDLINE or one of its backfiles. (The limitations of the FROM _____ TO _____ (DA) instruction will be discussed later.)

A search for DIZZINESS, which became a MeSH Heading in 1979, illustrates this procedure across MEDLINE and MED77. In MEDLINE (currently 1980 forward coverage), the strategy would simply be:

SS 1/C?
USER:
DIZZINESS

In MED77, however, two strategies would be needed:

SS 1/C?
USER:

A) DIZZINESS

Retrieves all citations indexed with DIZZINESS for 1979 IM or for 1980 IM, or 1981 citations having a publication year of less than 1980, and hence contained in MED77. No need to use a GREATER THAN statement here.

B) SS 2/C?
USER:
(TW) DIZZY OR DIZZINESS

SS 3/C?
USER:
VERTIGO AND LESS THAN 781118 (DA)

SS 4/C?
2 AND 3

VERTIGO may sometimes have been used for DIZZINESS before 1979. (Possible previous Indexing for DIZZINESS may be found in the PI field of the DIZZINESS record in the MeSH Vocabulary File.) The LESS THAN statement limits VERTIGO to before 1979 IM. Combining with Text Words for DIZZINESS isolates pertinent citations, and helps eliminate false drops.

SS 5/C?
2 AND NOT 4

The requester may also be interested in this subset of citations with relevant Text Words that were not, however, indexed with the MeSH Heading, VERTIGO. This strategy retrieves this subset, but is optional.

Strategy A would retrieve citations to articles indexed with the new term DIZZINESS which came into the system in 1979. (Dates of Entry (DA) for the Index Medicus year 1979 are 781118 through 791026. Dates of Entry greater than the 791026 may be retrieved, however, because articles indexed in the 1980 or 1981 Index Medicus year, with a publication date of 1979, would have been "pulled" from MEDLINE for the backfile MED77.) Strategy B would retrieve citations to articles having titles or abstracts that contain the Text Words DIZZY or DIZZINESS (you may be able to think of additional Text Words to express this concept yourself), and were also indexed to VERTIGO, the heading under which citations to dizziness were indexed prior to 1979. Only citations input into the database in Index Medicus years less than 1979 would be retrieved.

Earlier it was mentioned that there were limitations to the use of the ranging instruction FROM _____ TO _____ (DA). Basically, the instruction FROM _____ TO _____ (DA) is most useful when searching for one specific Index Medicus year, and may have to be repeated in a second database to capture the entire IM coverage. This is because the backfiles MED75 forward were pulled by Year of Publication; therefore an "IM issue" may span one or more backfiles. For example, a heading introduced in 1977 for which you want to see the retrieval for IM 1977 would require the following steps online:

```
File MED77
PROG:
YOU ARE NOW CONNECTED TO THE BACK77 FILE.

SS 1 /C?
USER:
SAVESEARCH
PROG:
ENTER SEARCH-

*STS*  SS 1 /C?
USER:
INFANT, LOW BIRTH WEIGHT
PROG:
SS (1) PSTG (874)

*STS* SS 2 /C?
USER:
1 AND FROM 761104 TO 771031 (DA)
PROG:
SS (2) PSTG (170)
```

```
*STS*  SS 3 /C?
USER:
FINISHED
PROG:
SEARCHNAME?

USER:
1977 IM INFANT LBW
PROG:
SEARCH SET FROM SS 1 SAVED AS '1977 IM INFANT LBW'.
SAVESEARCH COMPLETED.

SS 3 /C?
USER:
FILE MED75
PROG:
YOU ARE NOW CONNECTED TO THE BACK75 FILE.

SS 1 /C?
USER:
1977 IM INFANT LBW (SN)
PROG:
TIME OVFLW: CONT? (Y/N)

USER:
Y
PROG:
SS (1) PSTG (85)
```

A total of 255 citations for 1977 IM year was retrieved for the term INFANT, LOW BIRTH WEIGHT. This would closely correspond to the number of citations that would be found under this heading in the published version of Cumulated Index Medicus, 1977 (CIM). There would not be a one-to-one correspondence, however, because CIM would not include citations from the Special Lists (Nursing, Dental, etc.) that may be retrieved in any MEDLINE search and would not include articles indexed to INFANT, LOW BIRTH WEIGHT where this concept was not a main point of the article (i.e., the heading was not asterisked (*)).

*****

PLEASE TYPE NEWS TO SEE THE MOST RECENT NEWS ITEMS ONLINE

AVLINE UPDATE: APRIL 1983

Alice E. Jacobs, Cataloging Section, NLM

Limited Cataloging of Audiovisuals

Beginning April 1983, the Technical Services Division has expanded the scope of "Limited Cataloging" as announced in the NLM Technical Bulletin (Apr. 1979, No. 120 and Oct. 1979, No. 126). The concept of a "Limited" level cataloging record, previously developed for selected printed monographs cataloged for CATLINE, will also be applied to most audiocassette titles cataloged for the AVLINE database.

Limited cataloging of audiocassette programs that are primarily recordings of single speeches will be based on information obtained from the label and accompanying printed material rather than from listening to the program. Following the standards used for limited cataloging of monographs, a restricted number of access points will be provided and only one general subject heading will be assigned. Classification numbers will be assigned and shelflisted by the medium code and accession number so that these items may be shelved with the fully cataloged audiovisuals at NLM.

Any bibliographic notes necessary to reflect the audiovisual character of the piece will be included in the limited cataloging record, if readily available. Price and procurement source information will be supplied, as is the case for audiovisual titles given full cataloging in AVLINE.

The AVLINE records for audiocassette titles receiving limited cataloging treatment will contain the note "Limited cataloging" in the first General Note field (GN) and the value "L" (for limited cataloging) in the Encoding Level field (EL). The Encloding Level field is directly searchable. Citations for limited cataloging of audiocassettes will be published regularly in the quarterly and annual issues of the National Library of Medicine Audiovisuals Catalog. Following the publication pattern for limited records of print material cataloged for CATLINE, limited cataloging records for audiocassette titles will not appear in the Audiovisuals Section of the NLM Current Catalog Proof Sheets.

Abstracts for Selected AVLINE Titles

When available, content abstracts prepared by the producer will be provided for selected AVLINE titles that are part of the distribution services of the Audiovisual Resources Section, NLM. AVLINE searchers are advised that no appraisal data will be supplied, even though a descriptive abstract may be present. (Alternatives to the formal AVLINE critical review process which ended March 31, 1982 are still being explored.)

Other File's Unique Identifier (U2)

Since February 1980, records for printed serials in CATLINE carry a searchable tag called the Other Files Unique Identifier (U2) which contains the unique identifier for the SERLINE record of the same title. For consistency, the Other Files Unique Identifier (U2) has been added in AVLINE and CATLINE for audiovisual serials. This field will provide the necessary links between these three databases for NLM processing.

Chemline TOXLINE additional materials

ADDITIONAL DESCRIPTIVE MATERIALS FOR THE CHEMICAL AND TOXICOLOGICAL FILES NOW AVAILABLE

Jeanne C. Goshorn and
Miriam Perkins, Specialized Information Services

NLM's Specialized Information Services (SIS) Division has several new explanatory materials available about the NLM Chemical & Toxicological Files. These are:

> A "SAMPLER," which is a 25-page booklet that describes the databases to new or prospective users and provides annotated search examples. Copies are available at no cost from SIS.

> A Slide/Tape Overview that describes the files and support services provided by SIS, and gives sample searches for each file. The presentation contains 39 35mm slides with a 15-minute audiocassette. An abbreviated version, which does not have the sample searches, is also available. It contains 16 slides with a 5-minute cassette. Contact SIS for further information.

> An 11" x 14" multi-colored poster that gives a diagrammatic overview of the files and would be an appropriate handout at meetings, demonstrations, and training sessions. Copies of the poster are available without cost from SIS.

> Updated versions of the pocket cards for each of the NLM Chemical and Toxicological files. These will not be mailed with the Technical Bulletin, but are available at no charge from SIS.

For ordering these items contact:

Specialized Information Services
National Library of Medicine
Bldg. 38A, Rm. 3S320
Bethesda, MD 20209
(301) 496-1131

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - March 1983
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. 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.

AMERICAN JOURNAL OF EMERGENCY MEDICINE
1N1,JULY 1983--
CENTRUM PHILADELPHIA
PHILADELPHIA UNITED STATES
CENTRUM PHILADELPHIA, UNIVERSITY CITY SCIENCE CENTER, 3624 MARKET STREET, PHILADELPHIA PA 19104 (215)386-0774
ON ORDER
A24175000

IM BEHAVIORAL NEUROSCIENCE
97N1,FEB 1983--
AMERICAN PSYCOLOGICAL ASSOCIATION
CONTINUES IN PART: JOURNAL OF COMPARATIVE AND PHYSIOLOGICAL PSYCHOLOGY.
WASHINGTON UNITED STATES
W1 BE13M
B02410000

IM BRITISH JOURNAL OF RHEUMATOLOGY
22N1,FEB 1983--
BAILLIERE TINDALL
OFFICIAL PUBLICATION OF: THE BRITISH ASSOCIATION FOR RHEUMATOLOGY AND REHABILITATION. CONTINUES: RHEUMATOLOGY AND REHABILITATION.
LONDON ENGLAND
BAILLIERE TINDALL, 1 VINCENT SQUARE, LONDON SW1P 2PN.
W1 BR625F
B35530000
$73.00

BULLETIN OF CLINICAL NEUROSCIENCES
1,1983--
ACADEMIC PRESS
NEW YORK UNITED STATES
ON ORDER
B41190000
$50.00

IM CHUNG YAO TUNG PAO = BULLETIN OF CHINESE MATERIA MEDICA
CHUAN 6,1981--
CHUNG-KUO YAO HSUEH HUI; CHUNG I YEN CHIU YUAN, CHUNG YAO YEN CHIU SO
ASSUMED VOLUME NUMBERING OF EARLIER PUBLICATION WITH SAME CHINESE TITLE, WHICH WAS ABSORBED BY YAO HSUEH TUNG PAO IN 1959.
PEKING CHINA
GUOJI SHUDIAN, P.O. BOX 399, BEIJING, CHINA
W1 CH991SB
C21450000

CLINICAL RESEARCH PRACTICES AND DRUG REGULATORY AFFAIRS
1N1,1983--
MARCEL DEKKER
NEW YORK UNITED STATES
MARCEL DEKKER P.O. BOX 11305, CHURCH STREET STATION, NEW YORK, NEW YORK 10249
IN PROCESS
C26870000

IM COMPARATIVE PSYCHOLOGY
1,1983?--
AMERICAN PSYCHOLOGICAL ASSOCIATION
CONTINUES IN PART: JOURNAL OF COMPARATIVE AND PHYSIOLOGICAL PSYCHOLOGY.
WASHINGTON UNITED STATES
ON ORDER
C33805000

DISASTER MEDICINE
1N1,SPRING 1983--
CENTRUM PHILADELPHIA
PHILADELPHIA UNITED STATES
CENTRUM PHILADELPHIA, UNIVERSITY CITY SCIENCE CENTER, 3624 MARKET STREET, PHILADELPHIA PA 19104 (215) 386-0774
ON ORDER
D16113000

IM EXPERIMENTAL AND CLINICAL ENDOCRINOLOGY
81N1,JAN 1983--
JOHANN AMBROSIUS BARTH
CONTINUES ENDOKRINOLOGIE.
LEIPZIG GERMANY,EAST
JOHANN AMBROSIUS BARTH, DDR-7010 LEIPZIG, SALOMONSTRASSE 18 B, POSTFACH 109, EAST GERMANY
IN PROCESS
E19345000

FAMILY PRACTICE SURVEY
1N1,JULY 1983--
WILLIAMS AND WILKINS
BALTIMORE UNITED STATES
ON ORDER
F01097000
$45.00

GERIATRICS SURVEY
1N1,JULY 1983--
WILLIAMS AND WILKINS
BALTIMORE UNITED STATES
ON ORDER
G05715000
$40.00

JMCI, JOURNAL OF MOLECULAR AND CELLULAR IMMUNOLOGY
1N1,JULY 1983--
SPRINGER VERLAG
NEW YORK UNITED STATES
ON ORDER
J08185000
$126.00

IM JOURNAL OF THE ROYAL SOCIETY OF HEALTH
103N1,FEB 1983--
ROYAL SOCIETY OF HEALTH JOURNAL
CONTINUES ROYAL SOCIETY OF HEALTH JOURNAL
LONDON ENGLAND
ROYAL SOCIETY OF HEALTH JOURNAL, 13 GROSVENOR PLACE, LONDON, SW1X 7EN.
IN PROCESS
J37610000

NEW DRUG ANNUAL: CARDIOVASCULAR DRUGS
1983?--
RAVEN PRESS
NEW YORK UNITED STATES
RAVEN PRESS, 1140 AVE. OF THE AMERICAS, NEW YORK, NY 10036 (212-575-0335)
ON ORDER
N14494500

PROGRESS IN MEDICAL AND ENVIRONMENTAL PHYSICS
1,1982--
SURREY UNIVERSITY PRESS
LONDON ENGLAND
SURREY UNIVERSITY PRESS, A MEMBER OF THE BLACKIE GROUP, BISHOPBRIGGS, GLASGOW AND FURNIVAL HOUSE, 14-18 HIGH HOLBORN, LONDON, ENGLAND
IN PROCESS
P48070000

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398N1,1982--
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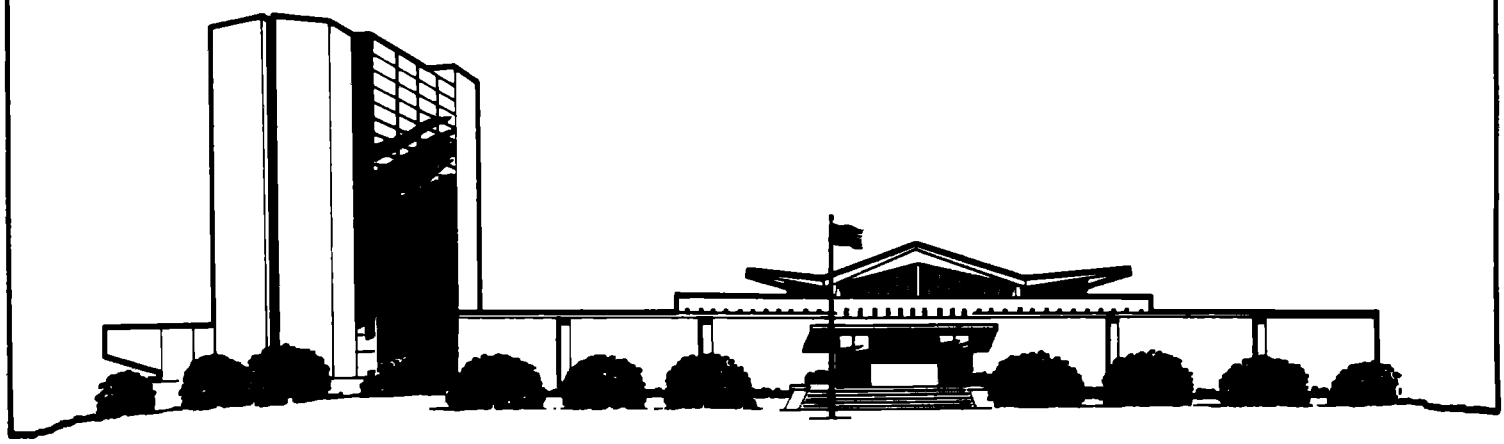
7 CANCERLIT Modifications

10 Monthly Hint: NHPIC Citations in HEALTH

Enclosure: Map of Online Centers in the U.S., March 1983



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National Library of Medicine

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	11,472	THROUGH 1983	12 MAY 83	
BIOETHICS	14,752	JAN 73-FEB 83	18 APR 83	8304(EM)
CANCERLIT	346,879	JAN 63-MAY 83	16 MAY 83	8305(EM)
CANCERPROJ	21,117	1978-1981	12 NOV 81	8110(EM)
CATLINE	502,006	THROUGH 1983	12 MAY 83	
CHEMLINE	566,127		09 MAY 83	8305(EM)
CLINPROT	3,767		26 APR 83	8304(EM)
HEALTH	242,862	JAN 75-JUN 83	09 MAY 83	8306(EM)
HISTLINE	54,046		18 APR 83	8303(EM)
MEDLINE	800,324	JAN 80-JUN 83	02 MAY 83	8306(EM)
MED77	775,399	JAN 77-DEC 79	18 APR 83	
MED75	642,927	JAN 75-DEC 76	13 DEC 82	
MED71	884,055	JAN 71-DEC 74	28 FEB 83	
MED66	955,058	JAN 66-DEC 70	13 DEC 82	
MESH VOC	47,207	1983	16 MAY 83	
NAME AUTH	143,996		09 MAY 83	
PDQ	892		26 APR 83	8304(EM)
POPLINE	110,299	1970-MAY 83	16 MAY 83	8305(EM)
RTECS	59,224	THROUGH JAN 83	09 MAY 83	
SDILINE	25,648	JUN 83	02 MAY 83	
SERLINE	41,187	1983	04 APR 83	
TDB	4,021		28 FEB 83	
TOXLINE	569,759		25 APR 83	8304(EM)
CBAC	286,770	1979-VOL 98(6,7)		
TOXBIB	98,803	1979-MAY 83		
IPA (ASHP)	21,826	1979-VOL 20(5,6)		
HEEP	45,861	1979-VOL 12(5)		
PESTAB	8,209	1979-VOL 14(DEC 81)		
EMIC	37,996	1950-DEC 82		
ETIC	27,095	1950-JAN 83		
RPROJ	28,306	1979-FEB 82		
TD3	14,893	GRA & I 82(25)-83(5)		
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Bethesda, Maryland 20209

TECHNICAL NOTES

Whenever applicable, the headings of each Technical Note will include 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.

CHICAGO ADVANCED CLASS RESCHEDULED - Due to an insufficient number of applicants, the Abbreviated Advanced Online Training Class scheduled for May 11-13, 1983 in Chicago, Illinois (Region 3) was cancelled. The class has been rescheduled and will be taught in Chicago on October 26-28, 1983. If you are interested in attending, please contact the MEDLARS Management Section or RML 3 for additional information.

REQUESTING USER ID CODE CANCELLATION - Requests for cancellation of User ID codes must be directed to the MEDLARS Management Section, not the National Technical Information Service (NTIS). NTIS is the billing contractor for NLM but is not empowered to take any action pertaining to User ID codes. In addition to questions regarding user codes, billing questions should also be referred to MMS.

INDEPENDENCE DAY HOLIDAY - On Monday, July 4, 1983, the NLM computer will be down all day in observance of the Independence Day holiday.

UNITED STATES PRE-EXPLOSION: - The Medical Subject Headings Annotated Alphabetic List, 1983 indicates that the heading, UNITED STATES, is also a Pre-Explosion. Users should be aware, however, that two Pre-Explosions for the United States are available:

1. UNITED STATES (PX) -- retrieves citations with any of the United States listed as a place of publication.

2. UNITED STATES MC (PX) -- retrieves citations with any of the United States listed as a MeSH Heading.

Please annotate the term UNITED STATES in your MeSH to include both Pre-Explosions.

LIST OF SERIALS INDEXED FOR ONLINE USERS, 1983 - A Technical Note in the April 1983 Technical Bulletin and a recent online news note have announced the availability of the List of Serials Indexed for Online Users, 1983. The title change this year (the previous title was List of Serials and Monographs Indexed for Online Users) reflects the exclusion of monographic literature from MEDLINE indexing beginning January 1982. Citations to monographs previously indexed have not been deleted from MEDLINE and its backfiles. Monographs were indexed for MEDLINE from 1977 to 1981, inclusively.

Since the List of Serials and Monographs Indexed for Online Users, 1982 contains a complete listing of all the monographs input into MEDLINE in the period 1977 to 1981, searchers may want to keep this section of the publication after purchasing the 1983 edition. Monographs are not listed in the 1983 edition and are unlikely to be included in subsequent editions.

For the first time this year, the List of Serials Indexed for Online Users contains the Journal Title Codes (JC) for the journals included in MEDLINE, HEALTH PLANNING & ADMINISTRATION, and POPLINE. Previously, the only source of Journal Title Codes (JC) was SERLINE. In addition, the Abridged Index Medicus (AIM) titles are indicated in this new edition by an asterisk (*).

CHANGES TO HEALTH FILE SOURCE FIELD - The Source (SO) field for journal articles in the HEALTH file now contains a period after the Title Abbreviation (TA) portion and also a concluding period. For example,

SO - Public Health Rep. 1979 Jul-Aug; 94(4): 362-5.

This change does not affect searching or printing procedures for the HEALTH File; it is due to programming changes made necessary when the National Health Planning Information Center (NHPIC) records were added to HEALTH.

CLINPROT INDEX TERM LISTING - The April 1983 listing of CLINPROT Index Terms is now available. It contains a number of significant changes from the March list. These changes affect the way some of these terms (Subject Captions) and their companion Hierarchical Subject Codes may be used in searching CLINPROT. A notice preceding the list of terms explains the changes in detail and their implications for searching. Copies of the CLINPROT Index Terms are available free-of-charge upon request from ICRDB, Westwood Building, Room 10A-18, Bethesda, Maryland 20205 or from the MEDLARS Management Section.

Identical Index Term changes have been made in PDQ, where applicable. However, there is no separate listing of the PDQ changes at this time.

STRINGSEARCHING - TITLES (Manual 4.6.3.1) - When STRINGSEARCHing the titles of a retrieved subset of MEDLINE citations for a word that can appear as the first word of a title, the beginning colon in the STRINGSEARCH instruction should be placed directly up against the first character of the word, e.g., :EVALUATION :. This will assure comprehensive retrieval of all the titles containing the word EVALUATION, such as:

1. Evaluation of a new low pressure drop membrane oxygenator.

An English language title beginning with the word of interest

2. [Evaluation of neoplastic retinal detachment]

   A foreign language title beginning with a bracket followed by the word of interest

3. Treatment of benzimidazole-resistant cyathostomes in horses--evaluation of a paste of febantel plus piperazine

   An English language title with the word of interest within the title preceded by a character of punctuation

4. An evaluation of the anamnestic test for brucellosis in cattle of the northern pastoral area

   An English language title with the word of interest within the title

Use of a space after the initial colon, e.g., : EVALUATION :, would not permit the retrieval of citations 2 and 3 above because of the punctuation; use of the single character variation symbol (#, the hash mark or pound sign) after the colon, e.g., :#EVALUATION : would retrieve all of the above except citation 1, where the word of interest, EVALUATION, appeared as the first word of an English language title.

*****

CANCEREXPRESS: A NEW CURRENT AWARENESS DATABASE FOR PUBLISHED CANCER INFORMATION

John Schneider, Director, ICRDB, NCI

A new database called CANCEREXPRESS is expected to be made available to the NLM online network in June 1983. Since this file can be accessed by entering either FILE EXPRESS or FILE CANCEREXPRESS, it is referred to as EXPRESS throughout this article. This file will contain bibliographic records identifying articles covering all aspects of the therapy, etiology, and biology of cancer as well as studies of mutagenic agents and agents that stimulate cell division. These records are derived from monthly SDILINE updates using a search profile developed by the National Cancer Institute (NCI) and the National Library of Medicine (NLM). EXPRESS is one of a series of technical information products prepared for cancer researchers by the International Cancer Research Data Bank (ICRDB) Program of the NCI in cooperation with the NLM.

EXPRESS is a companion file to CANCERLIT, which is a comprehensive archival file of 350,000 bibliographic records to cancer-related documents published since 1963 in several thousand biomedical journals and other publications. In contrast, EXPRESS is a more selective, current file containing some 10,000 records from cancer-related articles in several hundred high quality journals published during the most recent four-month period. Records entered into EXPRESS are simultaneously entered into the CANCERLIT file so they will be included in more comprehensive searches. Records are dropped from EXPRESS after four months but are retained in CANCERLIT.

Records are entered into EXPRESS in the shortest possible time, with a target date of within one month after journal receipt at NLM. All records selected for EXPRESS have author abstracts and most have an author address, or at least an organizational affiliation. The citations will originate from a group of 180 core journals identified by the NCI as being of high quality and having a high yield of relevant articles. The list of core journals is available from the ICRDB Program (Westwood Bldg., Room 10A-18, Bethesda MD, 20205). Citations will also be generated from a second group of journals yielding fewer cancer-related articles but of equally high quality. The total number of EXPRESS journals is approximately 400. These journals will be tagged in SERLINE with 'CXP' in the Abstracting and Indexing (AI) field and 'X' in the Journal Subset (SB) field.

EXPRESS is expected to be of value to cancer researchers and clinicians who wish to retrieve records from journals that have been selected on the basis of quality of published articles. For physicians and scientists who prefer not to sift through records from more obscure sources (which in many cases are unlikely to be available in their local medical libraries), EXPRESS may provide the best source of cancer-related records. In addition, the increasing number of end users with access to personal computers may wish to perform their own searches against this file. Other users with limited funds who might not print abstracts from a large retrieval on a more comprehensive database may tend to print abstracts from EXPRESS retrieval, because of the highly selective nature of this database.

Because of the emphasis on quality and speed of record preparation, EXPRESS records are particularly useful for providing SDI searches to users. Although Automatic SDI service will not be directly available on the EXPRESS database, users may limit their CANCERLIT automatic SDIs to EXPRESS journals by combining a stored search strategy with X(SB). [X stands for EXPRESS journals in the new Journal Subset field of CANCERLIT. See article on page 7 of this issue for a description of the recently enriched CANCERLIT unit record.] For existing SDI searches, this requires, of course, that the user purge the current stored search and re-store the search with the X(SB) qualifier as just described.

It is anticipated that EXPRESS will also be mounted and searched in cancer centers, and test tapes have been requested for this purpose. Availability of EXPRESS through commercial vendors is also contemplated.

To search the file online, type FILE CANCEREXPRESS or the shorter version, FILE EXPRESS. The unit record of EXPRESS is identical to that of CANCERLIT. Users should also refer to the revised online EXPLAIN CANCERLIT (or EXPLAIN CANCEREXPRESS or EXPLAIN EXPRESS) which will be available in June. A CANCERLIT replacement chapter for the Online Services Reference Manual is being prepared and will contain a complete description of the unit record and searching instructions for both databases. Watch the online NEWS for an announcement of the exact date of availability of the database.

*****

CANCERLIT MODIFICATIONS

John Schneider, Director, ICRDB, NCI

BACKGROUND

CANCERLIT consists of approximately 350,000 bibliographic records from cancer-related documents published from 1963 to the present time in journals or monographic series, reports, dissertations, and other monographs. It also includes more than 75,000 abstracts of papers presented at meetings. CANCERLIT is prepared by the International Cancer Research Data Bank (ICRDB) Program of the National Cancer Institute (NCI) in cooperation with the National Library of Medicine (NLM) as one of a series of technical information services for cancer researchers.

The subject areas covered include: all aspects of experimental and clinical cancer therapy; chemical, viral and other agents that cause cancer; mechanisms of carcinogenesis; and the biochemistry, immunology, physiology and other biology of cancer, both in vivo and in vitro. Studies of mutagens, mutagen testing, and growth factors or other agents that stimulate cell division are also included.

CHANGE IN FILE DERIVATION FOR CANCERLIT

Beginning with the June 1983 CANCERLIT update, records from journals will be derived in part from SDILINE (the monthly MEDLINE file) via a search profile, and the database will be updated as soon as possible after SDILINE is updated. Therefore, the June CANCERLIT update originally scheduled for June 20 will occur on or about June 7. This June CANCERLIT update will carry the 8306 (EM) update tag; the corresponding SDILINE update, from which some of these records are derived, will have the 8307 (EM) tag for the July INDEX MEDICUS.

In addition to these SDILINE-derived citations, CANCERLIT will continue to include articles from other document sources, including meeting abstracts, books, chapters of books, reports, dissertations, and other monographs. Abstracts and full addresses for reprint requests will be included for all of these additional records.

The SDILINE-derived records will be added concurrently to the new CANCEREXPRESS (also called EXPRESS) database, a companion file to CANCERLIT containing only the most recent four months' citations. (See the article on page 5 of this issue for a detailed description of EXPRESS.)

SPECIFIC DATA ELEMENT TREATMENT

Data elements for CANCERLIT will be modified slightly as a result of this change in file derivation. The new EXPRESS database also includes these new and changed data elements. A summary of some of the significant data elements follows, pointing out both additions and changes.

New Data Elements: (Prospective only, beginning June 1983)

Abstract Author (AA)
The word 'AUTHOR' appears in this field if an abstract exists; directly searchable; included in PRT DL.

Journal Title Code (JC)
The three-character code for journal titles; directly searchable; included in PRT DL.

Journal Subset Identifier (SB)
'X' for EXPRESS records; 'L' for all SDILINE-derived records (EXPRESS records will carry both X and L in the SB field); directly searchable; tailored PRT only.

Identification Number (ID)
The grant or contract number that designates financial support by the Public Health Service (including any Institute at NIH); directly searchable; included in PRT DL.

Modified Data Elements: (SDILINE-derived citations only)

Address (AD)
SDILINE-derived addresses are often incomplete for mailing purposes, but will contain at least the organizational affiliation.

CODEN (CD)
As of June 1983, this 5-character journal code will no longer be entered.

Keywords (KW)
These enrichment terms will no longer be added effective June 1983.

Secondary Source ID (SI)
A new SI value has been introduced for the SDILINE/ MEDLINE-derived citations.

The format is:

SI - MEDL/YY/NNNNN

where MEDL stands for MEDLINE as the source, YY is the year of entry into CANCERLIT, and NNNNN is an accession number.

This field is directly searchable and can be used to retrieve a particular citation. Truncation is not advised because a generated term overflow message will often result. Use the SB field to isolate MEDLINE-derived citations.

Abstract (AB)
Frequently used words/phrases such as milligram(s), intravenous, hour(s), deoxyribonucleic acid, etc., are no longer routinely abbreviated. Searchers are reminded to OR appropriately for these terms; Appendix B of the CANCERLIT chapter provides a list of previously used abbreviations.

Example: INTRAVENOUS OR IV

All other data elements and search capabilities will remain the same. The revised online EXPLAIN CANCERLIT, which will be available in early June, will contain the full unit record description.

ELIMINATING DUPLICATE MEDLINE CITATIONS

The NCI has tried to eliminate any MEDLINE citations retrieved by the search profile that were already present in CANCERLIT from the previous indexing work flow. With the new NCI/NLM cooperative indexing effort, duplicate citations within CANCERLIT itself should not be a problem. However, MEDLINE and CANCERLIT will now have a defined overlap, and a searching mechanism to eliminate the MEDLINE-derived citations [from 8306 (EM) forward] from CANCERLIT retrieval does exist. For example:

```
SS 1 /C?  BREAST NEOPLASMS (MH)
SS 2 /C?  1 AND MASTECTOMY (MH)
SS 3 /C?  2 AND NOT L (SB)
```

The Journal Subset tag, L (SB), is on all MEDLINE-derived records from June 1983 forward. Using the AND NOT operator with this tag limits retrieval to only non-MEDLINE-derived CANCERLIT citations. You would use this strategy if you had first performed a cancer-related search in MEDLINE and then switched to CANCERLIT. Note that the L (SB) tag is not retrospective, and therefore will not eliminate duplicates prior to June 1983.

UPDATE SCHEDULE

Monthly updates for the entire year of 1983 were previously announced in the October 1982 issue of the NLM Technical Bulletin. The schedule for the remainder of the year will change as outlined below due to the new file building procedures. Automatic SDI searches for CANCERLIT will be processed within the week following each update.

New Update Schedule (on or about)	Previously Announced Date
JUN 7	JUN 20
JUL 6	JUL 18
AUG 9	AUG 22
SEP 7	SEP 19
OCT 4	OCT 17
NOV 7	NOV 21
DEC - To be announced	DEC 19

*****

MONTHLY HINT: NHPIC CITATIONS IN HEALTH

Jane L. Rosov, MEDLARS Management Section, NLM

The addition of National Health Planning Information Center (NHPIC) data* to the HEALTH PLANNING & ADMINISTRATION database has prompted the following search questions from our users:

Q. Has the special H(LI) indicator been changed in the HEALTH file? When I used it to eliminate MEDLINE citations in my HEALTH search, the NHPIC citations were also eliminated, even though these citations are not in MEDLINE. How can I eliminate overlap between MEDLINE and HEALTH and still retain NHPIC?

A. To eliminate overlap between the MEDLINE and HEALTH files, enter the same search terms in each file (consider using the SAVE/SAVESEARCH capabilities in MEDLINE and then running the SAVEd search in HEALTH) and then combine your HEALTH file retrieval with the H Special List Indicator and with the NP value in the Secondary Source ID (SI) field, e.g.,

```
SS 2 /C?
USER:
1 AND H (LI) OR 1 AND NP (SI)
```

The result is the set of HEALTH citations, including the newly added non-journal NHPIC records, that have not appeared in the same search performed in MEDLINE.

Q: When I used the Date of Entry (DA) field to limit my HEALTH search to 1980, all NHPIC citations were dropped from the retrieval. Why did this happen and how can I retain the NHPIC data in a "date-limited" search?

A. At the present time, there is no Date of Entry (DA) field present on the newly added NHPIC records. Due to the absence of this field on these non-journal HEALTH citations, it is not possible to retrieve NHPIC citations when searching with DA in HEALTH. For example:

```
8001: (DA)
   or
HEALTH FACILITIES (PX) AND FROM 800101 TO 810101 (DA)
```

will not retrieve any monographs, monograph chapters, technical reports, or theses that have been added to HEALTH by inclusion of NHPIC data. Limiting by YEAR (YR) will allow searchers to retrieve by publication year.

*Please see the article "NHPIC Data Added to the HEALTH File" in the March 1983 NLM Technical Bulletin for details on the addition of this retrospective (1975-1981) body of non-journal material.

Example:

```
SS 1 /C?
USER:
HEALTH FACILITIES (PX)
PROG:
SS (1) PSTG (64034)

SS 2 /C?
USER:
1 AND 80 (YR) OR 1 AND 81 (YR)
```

[Note: YR is not rangeable in HEALTH.]

Additional special features of searching the HEALTH file are discussed in Section 23.5 of the newly revised HEALTH chapter of the Online Services Reference Manual, which will be mailed shortly.

*****

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - April 1983
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. 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.

ADVANCES IN BIOTECHNOLOGICAL PROCESSES
1,1983--
ALAN R. LISS
NEW YORK UNITED STATES
IN PROCESS
A13360000

BIOTECHNOLOGY ADVANCES
1N1,SPRING 1983--
PERGAMON
OXFORD ENGLAND
ON ORDER
B19837000
$75.00

IM CANADIAN JOURNAL OF BIOCHEMISTRY AND CELL BIOLOGY
61N1,JAN 1983--
NATIONAL RESEARCH COUNCIL OF CANADA
CONTINUES: CANADIAN JOURNAL OF BIOCHEMISTRY.
OTTAWA CANADA
NATIONAL RESEARCH COUNCIL OF CANADA,OTTAWA
K1A0R6,CANADA
W1 CA572
C03890000
$12.00

COMPUTERS IN NURSING
1N1,JAN/FEB 1983--
LIPPINCOTT
PHILADELPHIA UNITED STATES
ON ORDER
C36405000
$22.00

CURRENT MEDICINE
1,1983--
JOHN WILEY AND SONS
NEW YORK UNITED STATES
IN PROCESS
C56200000
$35.00

IRISH JOURNAL OF PSYCHOTHERAPY
1N1,SEP 1982--
IRISH INSTITUTE OF PSYCHOTHERAPY
DUBLIN IRELAND
ST. BRENDAHS HOSPITAL, RATH, DOWN RD,
DUBLIN 7, IRELAND
ON ORDER
I39210000

JOURNAL OF PSYCHOSOCIAL ONCOLOGY
1N1, SPRING 1983--
HAWORTH PRESS
NEW YORK UNITED STATES
ON ORDER
J36540000

MEDICAL ONCOLOGY AND TUMOR PHARMACOTHERAPY
1N1,SPRING 1983--
PERGAMON PRESS
OXFORD ENGLAND
ON ORDER
M16417000
$80.00

MODERN CELL BIOLOGY
1,1983--
ALAN R. LISS
NEW YORK UNITED STATES
IN PROCESS
M41250000

MOLECULAR BIOLOGY AND MEDICINE
1,1983--
ACADEMIC PRESS
NEW YORK UNITED STATES
ON ORDER
M43250000
$100.00

NUTRITIONAL TOXICOLOGY
1,1982--
ACADEMIC PRESS
NEW YORK UNITED STATES
ON ORDER
N36117000

PEDIATRIC DERMATOLOGY
1,1983--
BLACKWELL SCIENTIFIC
OXFORD ENGLAND
ON ORDER
P06333000
$83.00

TRENDS IN BIOTECHNOLOGY
1N1,MAY 1983--
ELSEVIER BIOMEDICAL
AMSTERDAM NETHERLANDS
ELSEVIER SCIENCE PUBLISHERS, P.O. BOX 211,
1000 AE AMSTERDAM, NETHERLANDS
ON ORDER
T20270000

IM ZEITSCHRIFT FUR EXPERIMENTELLE CHIRURGIE,
TRANSPLANATION, UND KUNSTLICHE ORGANE
16N1,1983--
VEB VERLAG VOLK UND GESUNDHEIT
CONTINUES: ZEITSCHRIFT FUR EXPERIMENTELLE
CHIRURGIE.
BERLIN GERMANY, EAST
W1 ZE344D
Z03250000

ISSN 0146-3055
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NO. 170

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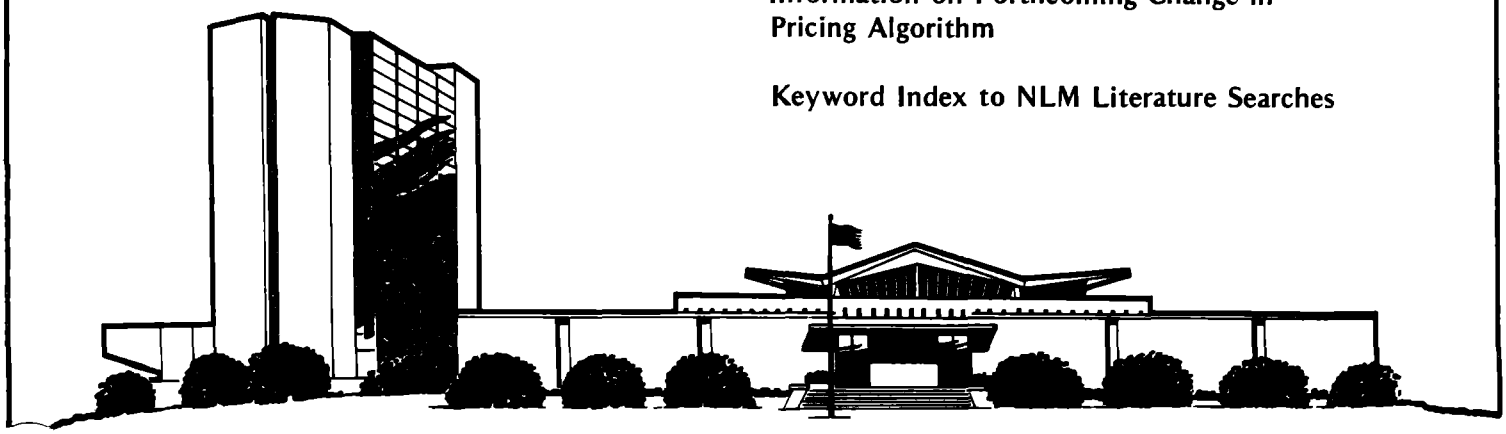
13 *MEDLEARN* Updated

14 2,000th Domestic MEDLARS Center

Enclosures: RTECS/TDB Price Change Notification and Information on Forthcoming Change in Pricing Algorithm

Keyword Index to NLM Literature Searches



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PDQ AND CLINPROT DATA ELEMENT CHANGES (Manual 18.3.3, 18.3.9, 18.3.12, 25.3, 25.3.7, 25.3.11)

- The following changes were made to the CLINPROT database effective with the May 1983 update:

1) The data elements Major Revision Date (MR) and Performing Organization (PO) were deleted and are no longer available for searching.

2) The pre-coded Sort PERF, which was predicated on the PO (Performing Organization) field, was deleted, and is no longer an acceptable Sort in CLINPROT.

3) The CY (Country) field no longer contains the names of states; only country names will be found in this field. The United States is searched using the initials, USA, with no punctuation, e.g., USA (CY).

The following changes will be made to CLINPROT and PDQ effective with the June 1983 updates:

1) The Simplified Title Field (STI) will be added to both files for the benefit of laypersons. In this field, organ site and other medical terms have been simplified, drug names have been removed and therapeutic modalities have been generalized. This a printable field but not searchable. The present detailed title field (TI) will remain.

2) The field Cancer Stage (STG) will be added to the databases to enable one to search for protocols by the stage of the cancer the protocol is designed to treat (e.g., Stage III).

The following changes will be made to PDQ effective with the June 1983 update:

1) The field Protocol Phase (PH) will be added to make it possible to select protocols by Phase (e.g., Phase III).

2) The Tumor Type/Site (TU) field will be renamed Cancer Type/Site (CTS).

3) The Study Group (SG) field will be renamed Protocol Source (PSO).

4) The names of institutions found in the locator fields will be directly searchable and printable using a new data element, Participating Institutions (PIN).

5) The word Coordinator in all data element names, e.g., Maryland Coordinator, will be changed to Contacts, e.g., Maryland Contacts.

6) The Initial Year (Y1) data element is now directly searchable and rangeable. The Y1 contains the activation date of the protocol.

CLINPROT INDEX TERM LISTING - The June 1983 listing of CLINPROT Index Terms is now available. It contains major additions to the disease parameter terms, including staging information. Copies of the CLINPROT Index Terms are available free-of-charge upon request from ICRDB, Westwood Building, Room 10A-18, Bethesda, Maryland 20205 or from the MEDLARS Management Section.

CANCEREXPRESS IMPLEMENTATION - Implementation of the CANCEREXPRESS database was delayed until June 20. Please note that all EXPRESS records do not contain abstracts as announced in the May 1983 NLM Technical Bulletin. This file is available to domestic users only for a period of six months. Connect time will be free through September 30; offprints will be billed at $.18/page during this time.

IDENTIFICATION OF NLM PORTION OF ONLINE COSTS - Searchers are reminded that the NLM portion of online costs should be clearly identified to users for searches performed on the MEDLARS system. Identification of the NLM portion of online costs is stipulated in the Memorandum of Understanding each institution/individual signed to obtain access to MEDLARS.

The following statement contains suggested wording for identifying the NLM portion of the charge:

"Of the total fee charged for this search, $ ____ is the portion charged by the National Library of Medicine."

(This portion may be expressed as a dollar figure or a percentage.)

For the CHEMLINE and TOXLINE files a supplementary statement should be added:

"In addition to the NLM charge, a royalty fee of $_____ is assessed by the creators of file content."

ENCLOSURE - Enclosed with this issue is the Keyword Index to NLM Literature Searches (78-1 -- 82-30). Copies of the searches contained on this list may be obtained by writing: Literature Search Program, Reference Section, National Library of Medicine, Bethesda, Maryland 20209.

The name and address of the requestor, typed on a gummed label, must accompany all requests (no return postage neccessary). 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.

THE PDQ/DIRECTORY FILE addition to MEDLARS

James W. Carter, Assistant Database Manager, ICRDB, NCI

PDQ/DIRECTORY, the first of the National Cancer Institute's (NCI) PDQ2 files will be added to the MEDLARS system in July. Subsequent PDQ2 files will contain information related to cancer treatment and will be designed in a user-friendly format. A file devoted to state-of-the-art cancer treatment as well as a glossary file will be added to the original PDQ and CLINPROT files for a total of five PDQ2 files.

The DIRECTORY file will contain the names of health care professionals and health care institutions that specialize in cancer care. In addition to their names, addresses and telephone numbers, health professionals will have their medical specialty identified and their professional affiliations listed. Health care institutions will be identified as comprehensive cancer centers, community cancer centers, etc., when that information is provided. Listed below are the medical specialty groups and associations that have provided information for this file.

Names of health professionals have been provided by the:

American Society of Clinical Oncology
American Society of Hematology
American Society of Pediatric Hematology and Oncology
American Society of Therapeutic Radiology and Oncology
Society of Surgical Oncology
Society of Gynecologic Oncology
NCI's Cancer Therapy Evaluation Program
PDQ (Institution Contacts, Protocol Chairmen)

Names of Institutions and Organizations were obtained from:

American Association of Cancer Institutes
American College of Surgeons (approved hospitals)
Association of Community Cancer Centers
NCI's Clinical Cooperative Groups and their satellites

The initial file will consist of about 10,000 records. The two types of records, health care professionals and health care institutions, will be distinguishable by the data element, Record Type (RY). PERSON will appear in the Record Type field when the record provides information about a health professional; ORGANIZATION will appear when the record contains information about an organization, institution or association. This database is effectively an expansion of the capabilities provided by the Locator fields in PDQ.

Two of the PDQ/DIRECTORY fields, Professional Affiliation (PAF) and Organization Type (ORT), will be incomplete when the file is initially implemented because this type of data has proven to be difficult to collect and/or verify.

The PDQ/DIRECTORY unit record consists of twenty-three data elements. Twenty of these data elements are directly searchable. A chart of these fields can be found at the end of this article; this material is duplicated in the online EXPLAIN UNIT RECORD.

When searching for the name of a professional, use the Abbreviated Name (ANA) field. This field follows the standard format for names in ELHILL databases, e.g., SARNA G. An institution's name would be searched using the Organization Name (ONA) field, e.g., CHILDREN'S HOSPITAL OF BUFFALO. Before searching for either, you should check the entry format by neighboring the index. Organization names can be Text Word searched using terms that are not likely to be abbreviated. (Words such as 'medical' or 'center' may appear in full or abbreviated.)

Contact information for Dr. Gerald Zwiren would be retrieved as follows:

```
SS 1 /C?
USER:
ZWIREN G (ANA)
PROG:
SS (1) PSTG (1)

SS 2 /C?
USER:
PRT DL INDENTED

UNIQUE IDENTIFIER          06061
RECORD TYPE                PERSON
ABBREVIATED NAME           ZWIREN G
FULL NAME                  GERALD ZWIREN, M.D.
OCCUPATION/TITLE           PHYSICIAN
MEDICAL SPECIALTIES        SURGERY
TELEPHONE NUMBER           404-588-3815
PROFESSIONAL AFFILIATION   CANCER THERAPY EVALUATION PROGRAM (CTEP)
PROFESSIONAL AFFILIATION   PEDIATRIC ONCOLOGY GROUP (POG)
ADDRESS                    EMORY UNIVERSITY SCHOOL OF MEDICINE; PEDIATRIC
                           ONCOLOGY; 69 BUTLER STREET, S.E.; ATLANTA, GA
                           30303
PARENT ORGANIZATION        EMORY UNIVERSITY SCHOOL OF MEDICINE
ORGANIZATION NAME          EMORY UNIV., SCH. OF MED.
CITY                       ATLANTA
STATES                     GEORGIA (GA)
COUNTRY                    USA
ENTRY MONTH                8307
```

Information about an organization (the Virginia Mason Hospital) would be retrieved as follows:

```
SS 2 /C?
USER:
VIRGINIA MASON HOSPITAL (ONA)
PROG:
SS (2) PSTG (1)

SS 3 /C?
USER:
PRT DL INDENTED

UNIQUE IDENTIFIER          01227
RECORD TYPE                ORGANIZATION
```

ABBREVIATED NAME	EINSTEIN AB
FULL NAME	ALBERT B. EINSTEIN, JR., M.D.
OCCUPATION/TITLE	PHYSICIAN
TELEPHONE NUMBER	206-223-6945
ADDRESS	VIRGINIA MASON MEDICAL CENTER; VIRGINIA MASON CANCER DIVISION; 1100 NINTH AVENUE; SEATTLE, WA 98111
ORGANIZATION TYPE	COMMUNITY CANCER CENTER
ORGANIZATION NAME	VIRGINIA MASON HOSPITAL
CITY	SEATTLE
STATE	WASHINGTON (WA)
COUNTRY	USA
ENTRY MONTH	8307

contact person at the organization

It is expected that this file will often be used to find the names of physicians and organizations that are not previously known to the searcher, e.g., to find a list of physicians of a particular medical specialty in your city and/or state.

```
SS 1 /C?
USER:
PEDIATRIC ONCOLOGY (MSP)
PROG:
SS (1) PSTG (299)

SS 2 /C?
USER:
1 AND NEW YORK (STS) AND BUFFALO (CITY)
PROG:
SS (2) PSTG (8)
```

In cases where the retrieval is high, the search can be narrowed to a particular Zip Code (ZP) or group of zip codes.

If a relevant cancer therapy protocol has been located in PDQ and an area contact in a particular state is wanted, print the Protocol Source (PSO)* field in PDQ. If the protocol was provided by one of the clinical cooperative groups that are part of the NCI's Cancer Therapy Evaluation Program, it may be possible to find someone who could administer that treatment in an area by retrieving the names of physicians affiliated with that study group in a specific city. In order to do this, enter the name retrieved in the PDQ Protocol Source (PSO) field in the DIRECTORY file as follows:

```
SS 1 /C?
USER:
RADIATION THERAPY ONCOLOGY GROUP (PAF)
PROG:
SS (1) PSTG (145)

SS 2 /C?
USER:
1 AND SEATTLE (CITY)
PROG:
SS (2) PSTG (6)
```

*Formerly the Study Group (SG) field; see Technical Notes in this issue for list of changes to PDQ.

This file is expected to grow to a level of about 15,000 entries. Foreign investigators and institutions will be added within the next year while we complete the entry and verification of the U.S. data. The PDQ/DIRECTORY is expected to be updated monthly. The file will be available initially to domestic users only. No offline prints are available at this time. A new chapter for the Online Services Reference Manual is in preparation and will be mailed upon completion.

Below is a listing of each data element in the unit record, along with its mnemonic, search status and print status. There is also an explanation of the correct entry format for each of the searchable data elements on the following page.

PDQ/DIRECTORY, UNIT RECORD

Category Qualifier	Element Name	Search Status	PRINT	PRINT FULL	PRINT DETAILED
AD	Address		Y	Y	Y
ANA	Abbreviated Name	*	N	N	Y
CITY	City	*	N	N	Y
COR	Component Organizations	*	N	N	Y
CY	Country	*	N	N	Y
EM	Entry Month	*	N	N	Y
FNA	Full Name		Y	Y	Y
ISO	Information Source	*	N	N	N
LR	Last Revision Date	*	N	N	Y
MSP	Medical Specialties	*	Y	Y	Y
OCT	Occupation/Title	*	N	Y	Y
ONA	Organization Name	*,TW	N	N	Y
ORT	Organization Type	*	N	N	Y
PAF	Professional Affiliation	*	N	N	Y
POR	Parent Organization	*	N	N	Y
PROT	Protocols	*	N	N	Y
RY	Record Type	*	N	N	Y
SAF	Source Affiliation	*	N	N	N
SOR	Sub Organizations	*	N	N	Y
STS	States	*	N	N	Y
TEL	Telephone Number		Y	Y	Y
UI	Unique Identifier	*	N	N	Y
ZP	Zip Code	*	N	N	Y

* = Directly searchable
TW = Text Word searchable
N = Not printed in this format
Y = Printed in this format

PDQ/DIRECTORY: ENTRY FORMAT FOR DIRECTLY SEARCHABLE DATA ELEMENTS

ELEMENT NAME (QUALIFIER)		FORMAT/EXAMPLE
Abbreviated Name	(ANA)	Last name followed by a space and one or two initials, e.g., SARNA G
City	(CITY)	Full name of city, e.g., Buffalo
Component Organizations	(COR)	University of Buffalo*
Country	(CY)	USA
Entry Month	(EM)	Year and month in format "YYMM", e.g., 8307
Information Source	(ISO)	CTEP (ISO)* NOTE: This data element must be qualified.
Last Revision Date	(LR)	Year and month in format "YYMM", e.g., 8312
Medical Specialties	(MSP)	Pediatric Oncology*
Occupation/Title	(OCT)	Physician*
Organization Name	(ONA)	Children's Hospital of Buffalo* (or Text Word search on words that are not likely to be abbreviated, i.e., CHILDREN AND BUFFALO)
Organization Type	(ORT)	Comprehensive Cancer Center*
Parent Organization	(POR)	Roswell Park Memorial Institute*
Professional Affiliation	(PAF)	CTEP*
Protocols	(PROT)	CLINPROT Unique Identifier, e.g., ZZ-001234
Record Type	(RY)	Valid values are: Person or Organization
Source Affiliation	(SAF)	Principal Investigator (SAF)* NOTE: This data element must be qualified.
Sub Organizations	(SOR)	Buffalo Hospital*
States	(STS)	Full name or postal code of state, e.g., Maryland or MD
Unique Identifier	(UI)	A five-character numeric, e.g., 00005
Zip Code	(ZP)	A five-character numeric, e.g., 14222

*NEIGHBORing is suggested for exact word order, abbreviations, and punctuation.

ADDITIONAL NAMES ADDED TO CHEMLINE

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

SYNONYM AUGMENTATION

In January 1983 CHEMLINE was regenerated with an experimental new source of non-systematic names, the CA Index Guide. While this allowed NLM to lower connect hour charges for CHEMLINE significantly, it also resulted in the loss of many useful synonyms for searching. In the December 1982 Technical Bulletin article announcing this change, we stated our intention to obtain non-systematic names from a variety of sources that would allow the retention of the lower charges for CHEMLINE without a loss of significant data content. We are now pleased to announce that the first increment of these names is scheduled to be added during July 1983, and users should notice an immediate improvement in their ability to retrieve records based on non-systematic names. The exact implementation date will be announced in the online news.

One of the problems facing users in searching NLM databases for chemical questions is the fact that multiple files (CHEMLINE, RTECS, TDB, and MESH) contain chemical authority data. Depending on the nature of the question, it may be desirable to search one or more of these databases to identify information useful for further retrieval of data or citations. The first names added to CHEMLINE, therefore, will be taken from these files to provide a central source of chemical names. As a first step, names for substances in RTECS and TDB that have a CAS Registry Number, and that are consistent with certain validation criteria, have been merged with the current CHEMLINE content for these substances. Names with Registry Numbers from chemical records in the MESH file will be added soon. For all records augmented in this way, names in the Synonym (SY) field will be appended with a name locator in square brackets to show the source of the name, e.g.,

SY - SYNONYM [FILE NAME].

The record for the chemical commonly known as 'Aniline,' which was used for illustration in the December Technical Bulletin article, is shown below with the Index Guide data augmented by names from RTECS and TDB.

RN - 62-53-3
N1 - Benzenamine (9CI)
SY - AMINOBENZENE [RTECS:TDB]
SY - AMINOPHEN [RTECS:TDB]
SY - ANILIN (Czech) [RTECS]
SY - ANILINA (Italian, Polish) [RTECS]
SY - Aniline (8CI) [CAS:RTECS:TDB]
SY - ANILINE OIL [RTECS]
SY - ANILINE OIL, LIQUID (DOT) [RTECS]
SY - ANYVIM [RTECS:TDB]
SY - BENZENAMINE [RTECS:TDB]
SY - BENZENE, AMINO [RTECS]
SY - Benzene, amino- [CAS]
SY - BENZIDAM [RTECS]
SY - BLUE OIL [RTECS:TDB]
SY - C.I. OXIDATION BASE 1 [RTECS]
SY - C.I. 76000 [RTECS]
SY - CI 76000 [TDB]

SY - CYANOL [RTECS]
SY - HUILE D'ANILINE (French) [RTECS]
SY - KRYSTALLIN [RTECS]
SY - KYANOL [RTECS:TDB]
SY - NCI-C0376 [RTECS]
SY - Phenylamine [CAS:RTECS:TDB]

As can be seen, each name in the Synonym (SY) field is followed by one or more file names in square brackets, separated by colons if necessary. Names identified as 'CAS' are from the current Index Guide content. The use of upper and lower case has been kept where possible, and names are sorted in alphabetical order. The content of the annotation in square brackets is stripped off when the substance name is put into the SY or N1 fields, but is retained as name fragments when the NF field is created. Thus searching on:

(SY) BLUE OIL

will retrieve the 'Aniline' record, even though the name prints as:

SY - BLUE OIL [RTECS:TDB]

Comparing this particular record to the pre-1983 CHEMLINE record, every synonym lost through the change in content is now present. There are actually more synonyms than before, although this will not always be the case. In most cases, the added names will be those useful in retrieving CHEMLINE records, allowing the user to pick one or more Registry Numbers and short names to create a search concept for TOXLINE.

As names from other sources are added to CHEMLINE during the coming year, the most important name from a given source will be flagged with an asterisk. For instance, chemical names from the MESH file will indicate whether the name is a Main Heading or not. Thus the following names that print as:

SY - Naprosyn [CAS:MESH:RTECS:TDB]

SY - Naproxen [CAS:MESH*:RTECS:TDB]

indicate that 'Naproxen' is the Main Heading used for this substance, while Naprosyn is an Entry Term. We hope that identifying the sources of a name in this way will be useful in helping users select names for further searching in other databases.

SEARCH DEFAULT CHANGE

To further enhance the usefulness of this augmentation to CHEMLINE, the search defaults have been changed so that an input term will now be searched in any field except the NF field. Previously there was no search default. This change will allow unqualified name searching in most cases, since single word input names will no longer give multi-meanings with name fragments.

The user must remember, however, to qualify all name fragment searches. The command 'ELEMENTS ALL' will return to no default if desired (see Online Services Reference Manual, Section 4.9.5 for a discussion of the ELEMENTS command).

SUMMARY OF CHANGES

Some points to remember about the changes:

1. Over 40,000 substance records have been augmented with over 100,000 additional names.

2. Synonyms in augmented records will be followed by a file name locator. Synonyms in all other CHEMLINE records can be assumed to be from CAS and will have no locator.

3. To search for individual substances, the user may input an unqualified name. In most cases this will result in a single posting. As is the case now, multiple hits should be resolved by printing each record, and multi-meaning messages should be answered by 'ALL' where the name appears as both N1 and SY.

4. Name fragment searches must be qualified with (NF).

The addition of these names represents the first step in a long-term effort to enhance the capabilities of CHEMLINE as a central resource, both to identify chemical substances, and to route users to the NLM file(s) most likely to have data relevant to a given substance. During the coming year we plan to add other capabilities that we hope will aid users in the NLM search community to retrieve chemical information more easily and at a reasonable cost. We welcome your comments and suggestions for such enhancements at the following address:

CHEMLINE COORDINATOR
Biomedical Information Services Branch, SIS
Bldg. 38A, Rm. 3N319
National Library of Medicine
Bethesda, MD 20209

*****

MEDLEARN UPDATED

Patricia E. Healy, MEDLARS Management Section, NLM

NLM is pleased to announce that an updated version of the *MEDLEARN* computer-aided instruction (CAI) program was made available on June 10, 1983. While the content on basic MEDLINE and MeSH mechanics remains essentially the same, all program examples have been updated to reflect the 1983 MeSH Vocabulary and the current ELHILL software.

MEDLEARN first became available to the NLM online network in October 1976. Since that time, this CAI program has been used by thousands of individuals prior to their attendance at NLM's beginning training course. Completion of *MEDLEARN* prior to in-class instruction insures that all trainees have had at least a minimal exposure to the basic mechanics of online searching on the MEDLARS system and to the MEDLINE database. In addition, these trainees acquire experience logging in to NLM via the telecommunication networks of TELENET and TYMNET. *MEDLEARN* is also used extensively within organizations as a component of in-house backup searcher training programs.

MEDLEARN instruction includes:

CHAPTER	TITLE
0	*MEDLEARN* Manual
1	Learning to Use a Computer Terminal
2	General Statement on MEDLINE
3	First Simulated MEDLINE Search
4	MeSH (Medical Subject Headings)
5	Search Statement Connectors
6	MEDLINE Commands and Program Messages
7	MEDLINE Print Commands
8	Second Simulated Search
9	Cumulative Quiz

Two MEDLINE simulated searches are included to provide the user of *MEDLEARN* with the opportunity to formulate and execute a search, have the strategy evaluated, and then perform the search in MEDLINE if so desired.

MEDLEARN will take the novice user a minimum of 3-4 hours to complete. *MEDLEARN* may be completed in one online session or in several segments, according to personal preference. All instructions on how to use *MEDLEARN* are contained in the *MEDLEARN* program. The only additional material required to complete *MEDLEARN* is a copy of the Medical Subject Headings (MeSH). It is recommended that *MEDLEARN* be used with a hardcopy terminal (i.e., a terminal with a printer attached).

MEDLEARN will continue to be available during the following time periods (all Eastern Time):

Monday-Friday	Before 10:00 AM From 11:00 AM to 2:00 PM After 5:00 PM
Saturday	8:30 AM to 10:00 AM 11:00 AM to 2:00 PM

The charges for *MEDLEARN* are the same as for MEDLINE, that is:

$22.00/hour Prime Time
$15.00/hour Non-prime Time

Logon instructions for *MEDLEARN* can be found in Part 20 of the Online Services Reference Manual.

Please feel free to submit comments online or to write MEDLARS Management Section with your reactions to this updated version of *MEDLEARN*.

*****

Reprinted from the NLM NEWS, June 1983:

2,000TH DOMESTIC MEDLARS CENTER

A milestone was reached last month when the Utah Valley Hospital in Provo, Utah, became the 2,000th U.S. institution to join NLM's MEDLARS network. According to Gregory Patterson, head of the hospital's new medical library, MEDLINE and the other databases will be used primarily to provide information to physicians engaged in patient care.

PLEASE TYPE NEWS TO SEE THE MOST RECENT NEWS ITEMS ONLINE

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - MAY 1983
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. 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.

COMPUTERS IN MEDICAL PRACTICE
1N1,1983--
MEDICAL MARKET COMMUNICATIONS
PRINCETON NJ UNITED STATES
IN PROCESS
C36350000

ADVANCES IN LEARNING AND BEHAVIORAL DISABILITIES
N1,1982--
JAI PRESS
GREENWICH CT UNITED STATES
ON ORDER
A14315000

AIDS RESEARCH
JUN/JUL 1983/84--
MARY LIEBERT, INC
NEW YORK UNITED STATES
ON ORDER
A18035000
$95.00

AMERICAN REVIEW OF DIAGNOSTICS
1,1982--
DEGRAM COMMUNICATIONS
JOURNAL OF CARDIAC, VASCULAR AND PULMONARY TECHNOLOGIES AND SCIENCES.
ENCINO CA UNITED STATES
DEGRAM COMMUNICATIONS, P.O.BOX 617, ENCINO CA 91426
IN PROCESS
A25750000
$36.00

CHI SHENG CHUNG HSUEH YU CHI SHENG CHUNG PING TSA CHI. JOURNAL OF PARASITOLOGY AND PARASITIC DISEASES
1N1,1983--
SHANGHAI CHINA
CHUNG-KUO I HSUEH KO HSUEH YUAN CHI SHENG CHUNG PING YEN CHIU 50, 207 JUI CHIN 2 LU, SHANGHAI, PEOPLES REPUBLIC OF CHINA
IN PROCESS
C17063000

CLINICAL SUPERVISOR
SPRING 1983--
HAWORTH PRESS
NEW YORK UNITED STATES
ON ORDER
C27027000
$62.00

DYNAMIC PSYCHOTHERAPY
JUL 1983--
BRUNNER MAZEL
NEW YORK UNITED STATES
ON ORDER
D22050000
$30.00

IM EUROPEAN JOURNAL OF CELL BIOLOGY. SUPPLEMENT
N1,1983--
WISSENSCHAFTLICHE VERLAGSGESELLSCHAFT MBH
STUTTGART GERMANY, WEST
W1 EU72BJA
E16010020

INTERNATIONAL CONFERENCE ON SAFETY EVALUATION AND REGULATION OF CHEMICALS
1ST, FEB 1982--
KARGER
BASEL SWITZERLAND
S. KARGER AG, P.O. BOX, CH-4009 BASEL, SWITZERLAND
IN PROCESS
I22313500

JOURNAL D'ECONOMIE MEDICALE
MAR 1983--
MASSON
PARIS FRANCE
ON ORDER
J19433000
$59.00

KLINIK JOURNAL
N1/2,1982--
TEMPO MEDICAL
MUNCHEN GERMANY, WEST
TEMPO MEDICAL,HIRTENSTRASSE 16,8000 MUNCHEN 2,GERMANY
IN PROCESS
K06630000

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NO. 171

THE NLM TECHNICAL BULLETIN

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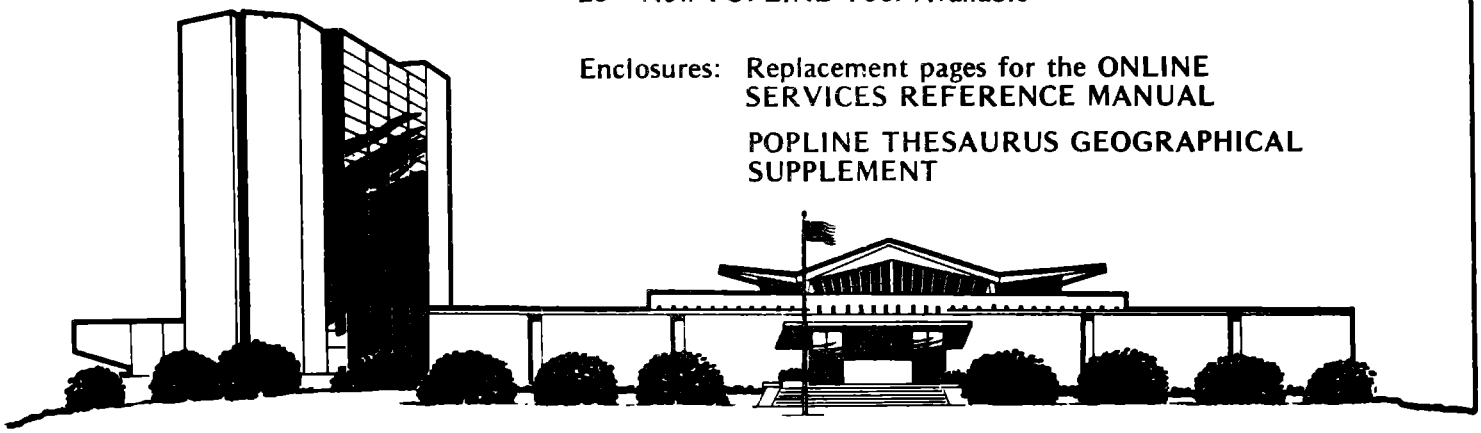
Enclosures: Replacement pages for the ONLINE SERVICES REFERENCE MANUAL

POPLINE THESAURUS GEOGRAPHICAL SUPPLEMENT



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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • National Institutes of Health
National Library of Medicine

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	11,670	THROUGH 1983	22 JUL 83	
BIOETHICS	14,752	JAN 73-FEB 83	18 APR 83	8304(EM)
CANCERLIT	362,172	JAN 63-JUL 83	05 JUL 83	8307(EM)
CANCERPROJ	21,117	1978-1981	12 NOV 81	8110(EM)
CATLINE	504,528	THROUGH 1983	22 JUL 83	
CHEMLINE	571,955		18 JUL 83	8307(EM)
CLINPROT	3,840		25 JUL 83	8307(EM)
EXPRESS	8,251	APR 83-AUG 83	07 JUL 83	8307(EM)
HEALTH	248,299	JAN 75-AUG 83	11 JUL 83	8308(EM)
HISTLINE	56,223		25 JUL 83	8307(EM)
MEDLINE	849,836	JAN 80-AUG 83	05 JUL 83	8308(EM)
MED77	775,365	JAN 77-DEC 79	18 JUL 83	
MED75	642,927	JAN 75-DEC 76	13 DEC 82	
MED71	884,055	JAN 71-DEC 74	28 FEB 83	
MED66	955,058	JAN 66-DEC 70	13 DEC 82	
MESH VOC	47,666	1983	25 JUL 83	
NAME AUTH	146,759		18 JUL 83	
PDQ	891		11 JUL 83	8306(EM)
PDQ/DIRECTORY	9,167	JUL 83	11 JUL 83	8306(EM)
POPLINE	111,789	1970-JUL 83	11 JUL 83	8307(EM)
RTECS	61,118	THROUGH APR 83	21 JUN 83	
SDILINE	25,141	AUG 83	05 JUL 83	
SERLINE	41,453	1983	30 JUN 83	
TDB	4,021		28 FEB 83	
TOXLINE	596,185		27 JUN 83	8306(EM)
CBAC	300,126	1979-VOL 98(10,11)		
TOXBIB	104,604	1979-JULY 83		
IPA (ASHP)	23,323	1979-VOL 20(9,10,11)		
HEEP	48,117	1979-VOL 12(7)		
PESTAB	8,209	1979-VOL 14(DEC 81)		
EMIC	39,495	1950-MAY 83		
ETIC	28,195	1950-MAY 83		
RPROJ	28,306	1979-FEB 82		
TD3	15,810	GRA & I 82(25)-83(8,9)		
TOXBACK74	474,653		19 APR 82	
CBAC	265,253	1974-1978		
TOXBIB	103,386	1974-1978		
IPA (ASHP)	30,606	1974-1978		
HEEP	61,871	1974-1978		
PESTAB	13,537	1974-1978		
*TOXBACK65	387,377		19 APR 82	
CBAC	196,015	1965-1973		
TOXBIB	112,170	1968-1973		
IPA	21,973	1969-1973		
HEEP	29,662	1970-1973		
HAPAB/PESTAB	12,966	1968-1973		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1973		

* = AVAILABLE ONLY THRU OFFSEARCH

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TECHNICAL NOTES

Whenever applicable, the headings of each Technical Note will include 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.

LABOR DAY HOLIDAY SCHEDULE - The NLM computer will be down on Monday, September 5, 1983, in observance of the Labor Day holiday.

COMMENT COMMAND CHANGE (Manual 4.9.2) - Beginning August 1983, searchers using the COMMENT command to send a message to the MEDLARS Management Section will be prompted for Name, Telephone Number, and Address if a reply to the comment is requested. The interaction will be:

```
SS 1 /C?
USER:
COMMENT

PROG:
REPLY? (YES/NO)

USER:
YES

PROG:
NAME & TELEPHONE NUMBER:

USER:
JOHN SMITH  301/777-1234

PROG:
ADDRESS?

USER:
24956 ELM STREET

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

USER:
BETHESDA, MARYLAND  20209

PROG:
CONT. OR FINISHED-
[user enters comment here]
```

The addition of the request for the Telephone Number is new with this version of the COMMENT command. MMS requests that users include a phone number with the COMMENT so that a prompt reply may be given.

PDQ DATA ELEMENT CHANGES (Manual 25.3.8) - Beginning with the July 1983 update (8307 (EM)) to the PDQ database, the following data element changes will occur:

1. The States/Country (STS) field will no longer carry the the names of countries; only state names will be found in this field. The field will now be known as the States (STS) field.

2. The Country (CY) field will be added to the database and will contain the names of countries previously carried in the States/Country field.

This change is being made to PDQ to make the data element fields of this database conform with the data element fields of the new PDQ/DIRECTORY file.

CLINPROT AND DIRECTORY NAME ALIASES (Manual 18.2) - Beginning in July 1983, the following database name aliases will be implemented for the CLINPROT and DIRECTORY files:

DATABASE NAME	ALIAS
CLINPROT	PDQP
DIRECTORY	PDQD PDQ/DIRECTORY

These aliases may be used when issuing a FILE or EXPLAIN command in lieu of the established name for the database. Please see the June 1983 Technical Bulletin (p. 5) for complete information on the new DIRECTORY file.

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

PDQ FREE CONNECT TIME - At the request of the National Cancer Institute, non-billed online access for the PDQ database will be extended through September 30, 1983. OFFSEARCHes will continue to be charged at $1.00; OFFPRINT pages are $.18 each.

MANUAL REPLACEMENT PAGES - A packet of replacement pages for the Online Services Reference Manual is enclosed with this issue. Instructions for filing are provided in the packet.

PLEASE TYPE NEWS TO SEE THE MOST RECENT NEWS ITEMS ONLINE

NEW PRICING ALGORITHM

Lois Ann Colaianni, Acting Associate Director, Library Operations
David Kenton, Staff Assistant, Office of Computer and Communications Systems

As announced earlier this year NLM plans to change the method of computing charges for online database searching in the fall. Online searching will be billed on the basis of an algorithm that will include connect hour use (reduced from the current charges), work performed by the NLM computer, and characters sent to the user's terminal. Other charges, such as offline processing (off-prints, SDIs, and OFFSEARCHes), page royalties, and the monthly minimum, are not expected to change (except for RTECS and TDB increases announced for October 1983 implementation).

NLM has chosen to introduce this new charging formula in order to equalize system costs for our users. For example, charging by connect time has resulted in users with slower speed terminals being charged higher fees for the same amount of retrieval than users with faster terminals or microcomputers. This algorithm will distribute costs more equitably to users based on actual work performed and system resources used rather than simply by time.

During the summer, NLM is testing the new pricing algorithm prior to fall implementation. Based upon usage data analyzed to date, NLM expects that most users will experience no increase in charges. However, those searchers making extensive use of the system to retrieve and process large numbers of citations (e.g., downloading of citations) should expect to pay somewhat more. In other words, charges are not being increased or decreased per se; rather, operating costs are being redistributed among the users based on actual use of the system and databases. Online revenues to NLM generated by the new algorithm will not increase, but will continue to recover costs associated with database access.

The components* of the new pricing algorithm are:

CONNECT TIME: The algorithm will include an amount for prime and non-prime time connect hours to cover telecommunications costs. Royalty or use charges, when applicable, will be included in this component.

COMPUTER WORK: Users will be charged for the actual computer work, i.e., entering a search statement, carriage returns (interactions), citations printed, and disk accesses (accesses to a disk for retrieval of citations, commonly referred to as input/output operations).

*Components are subject to change based on further analysis during the summer.

Computer work will be a component of the total charge and should not influence a user's bill by more than 10-15 percent at any given time. Future articles in the NLM Technical Bulletin will further explain how different methods of searching will influence the proportion of the total charge resulting from this component.

CHARACTERS PRINTED: A charge will be made for the number of characters prepared for transmission to the user's terminal. PRINT commands will have the greatest effect on the amount of this charge. Users printing a large number of citations or downloading will pay proportionately. Two users, one using a 300 baud terminal and the other a 1200 baud, will pay the same amount for characters transmitted to the terminal regardless of the speed of transmission.

Users will be encouraged to use the "information" commands (e.g., EXPLAIN) and to read the online NEWS, both of which involve transmission of large numbers of characters. When the new algorithm is implemented, NLM will introduce a new ELHILL database that will be billed on only the connect time portion of the algorithm. Users will be able to input COMMENTS as well as retrieve the NEWS or see a unit record EXPLAIN without concern for computer work or number of characters transmitted.

Please see the article on page 7 of this issue for a discussion of a new command, SHOW COST, which will enable users to display online the costs of a given search session.

*****

THE SHOW COST COMMAND

Lois Ann Colaianni, Acting Associate Director, Library Operations
David Kenton, Staff Assistant, Office of Computer and Communications Systems

Beginning in August 1983, NLM will implement a new command called SHOW COST. This command will enable users to see the costs of a search or terminal session online. Prior to implementation of the new charging algorithm (see article on page 5 of this issue), the SHOW COST command will display costs based on current connect hour charges only. However, information will be provided on interactions, search statements, citations and characters printed, and computer resources used in order to familiarize searchers with the cost components of the new algorithm, which will be implemented in the fall.

There are two kinds of SHOW COST commands: those related to a database and those related to an entire terminal session. The database commands will display cumulated totals and costs for searching a database; that is, from time of initial login into a particular database until the issuance of a FILE command or STOP Y. The session commands will display cumulated totals and costs for all databases from initial login until a STOP Y is input.

The commands are:

SHOW COST)
SHOW COST DETAILED) DATABASE COMMANDS

SHOW COST TOTAL)
SHOW COST TOTAL DETAILED) SESSION COMMANDS

Sample SHOW COST displays follow:

DATABASE COMMANDS

USER:
SHOW COST
PROG:
THE ESTIMATED TOTAL ONLINE COST FOR THIS 16 MINUTE MEDLINE SESSION IS $5.87.

USER:
SHOW COST DETAILED
PROG:
THE ESTIMATED TOTAL ONLINE COST FOR THIS 16 MINUTE MEDLINE SESSION IS $5.87.
YOU HAVE ENTERED 8 INTERACTIONS* AND 5 SEARCH STATEMENTS.
3 CITATIONS WERE PRINTED AND 1638 CHARACTERS WERE SENT TO YOUR TERMINAL.
THE COMPUTER HAS USED 690 WORK UNITS IN PERFORMING YOUR INTERACTIONS.

* Defined as CARRIAGE RETURN or other "end of message" indicator.

SESSION COMMANDS

USER:
SHOW COST TOTAL
PROG:
THE ESTIMATED TOTAL ONLINE COST FOR THIS 18 MINUTE TERMINAL SESSION IS $6.75.

USER:
SHOW COST TOTAL DETAILED
PROG:
THE ESTIMATED TOTAL ONLINE COST FOR THIS 16 MINUTE TERMINAL SESSION IS $5.91.
YOU HAVE ENTERED 10 INTERACTIONS AND 3 SEARCH STATEMENTS.
15 CITATIONS WERE PRINTED AND 1240 CHARACTERS WERE TRANSMITTED TO YOUR TERMINAL.
THE COMPUTER HAS USED 651 WORK UNITS IN PERFORMING YOUR TRANSACTIONS.

Options for this command include:

- DETAILED may be abbreviated as DL.
- Commas are optional between individual elements of the command, e.g.,

  SHOW COST, TOTAL, DL

- The word RESET may be added to the database commands to reset the database "counters" to zero. This feature is especially useful when one is performing multiple searches for different patrons in one database. In this manner, discrete totals for each user may be provided. [Note that RESET can be used with session commands but will reset counters for only the database currently in use.]

When a user issues a STOP Y command the program will automatically generate a SHOW COST TOTAL display. In addition, the message '*** END OF SESSION ***' will be received after the GOOD-BYE message and cost display.

PLEASE NOTE: All costs shown by this new command are estimated online charges. Therefore, the actual invoice may differ slightly from the online estimates. Charges associated with OFFSEARCHes or offprint pages are not included in the SHOW COST display.

*****

DIRLINE: DIRECTORY OF INFORMATION RESOURCES ONLINE

Lillian M. Scanlon and George J. Cosmides, Ph.D., SIS, NLM
Staffan Rosenborg, John A. Feulner, and Robert S. Finney, Library of Congress

A new online database known as DIRLINE (Directory of Information Resources Online) will be made available in August to U.S. users for a one-year experimental period. DIRLINE is being implemented on the NLM system to provide our users with a unique resource for answering information needs not met by bibliographic citations. As such, it will complement other currently available NLM databases.

During the one-year experimental period NLM will be evaluating, based on user feedback, how this new online directory can better serve user needs. Your comments and suggestions are welcome, and we strongly urge you to make use of the COMMENT command (see section 4.9.2 of the Online Services Reference Manual, and page 3 of this issue) to apprise us of any changes that you would like to see incorporated into DIRLINE, or to give us suggestions for possible directory components that you would like to be considered for future inclusion in DIRLINE.

Currently, the only component in DIRLINE is the National Referral Center (NRC) database, developed and maintained by the National Referral Center at the Library of Congress. The NRC database contains descriptions of approximately 13,000 organizations that either provide information about a given subject area or are knowledgeable enough to be able to suggest appropriate experts. Organizations such as libraries and information centers, data analysis centers, federal, state or local government offices or laboratories, research institutes, university departments and research centers, committees of national or state academies, foundations, the headquarters of societies and associations, museums, or herbaria are described in the database.

Additionally, to be eligible for inclusion in the NRC database the organization must agree to make its information available to others, at least under some conditions. Some organizations may have restrictions or charge a fee for their publications, services, etc., while others may provide free, unrestricted service. NRC makes it a point to include such information in the unit record, so the user will know what to expect when contacting the organization. A complete address and phone number is included in the record for further information, if necessary. The National Referral Center attempts systematic coverage only for resources in the United States, although the database does include approximately 1,000 non-U.S. information resources.

The NRC component of DIRLINE is maintained by professional analysts at the Library of Congress. Each information resource description is updated at a minimum of two-year intervals. The NRC database is accessible to readers at the Library of Congress through the automated system known as SCORPIO. It is also available to many Federal agencies through the RECON computer network operated by the Department of Energy. The RECON version of the NRC database was reformatted for conversion to NLM's ELHILL system at the Oak Ridge National Laboratory, Oak Ridge, Tennessee. In cooperation with the Library of Congress and the Oak Ridge National Laboratory, NLM plans to update the NRC component of DIRLINE quarterly. The ELHILL version of DIRLINE dates from December 1982; the most current version is available through the Referral Services Section, Library of Congress (202/287-5670).

It should be noted that the current version of DIRLINE will be subject to change during the one-year experimental period. Not only do we anticipate an update of the NRC database, which reflects the change in how state names are to be searched using the two-character United States Postal Service (USPS) abbreviations, but there is a possibility that other components may be added to DIRLINE during the experimental period. We will keep you informed of any changes to the database through the Technical Bulletin and the online NEWS.

Use of DIRLINE will be on a non-billed basis for the first three months. No offline print capability will be available during this free period. Watch the online NEWS for any changes in the status of DIRLINE regarding the implementation of new components, online charges, or the availability of the offline print capability. The DIRLINE chapter for the Online Services Reference Manual will be mailed in a future issue of the Bulletin.

Below is a listing of each data element in the DIRLINE unit record, along with its category qualifier, search status, and print status. There is also a sample search and a list of state name abbreviations for searching the Country/State (CY) field. Production of this database is being coordinated by Specialized Information Services (SIS), NLM. Please feel free to call their staff on (301)496-1131 or MEDLARS Management Section on (301)496-6193 or (800)638-8480 (toll free) with your questions, comments, or suggestions. Questions regarding the content of the NRC database should be directed to the National Referral Center at the Library of Congress; the telephone number is (202)287-5683.

DIRLINE Unit Record

CATEGORY QUALIFIER	DATA ELEMENT	SEARCH STATUS	PRINT OPTIONS PRINT	PRINT FULL	PRINT DETAILED
AB	Abstract	TW	X	X	X
AD	Address		-	X	X
CY	Country/State	*	-	-	X
EM	Entry Month	*, R	-	-	X
GN	General Notes	TW	X	X	X
KW	Keywords	*, TW	-	-	X
NA	Name	*, TW	X	X	X
NT	Name Type	*	-	X	X
SI	Secondary Source ID	*	X	X	X
ST	Status		-	-	X
ZP	Zip Code	*	-	-	X

* = Directly Searchable
R = Rangeable
TW = Text Word Searchable

DIRLINE is essentially a "free-text" database. Subject descriptors or indexing terms have been assigned by professional analysts at the National Referral Center to each information resource description of the NRC database. However, no thesaurus is available at this time to use for searching the database. You will find that the NEIGHBOR command will be helpful in searching this database.

```
SS 1 /C?
USER:
herpes

PROG:
SS (1) PSTG (3)

SS 2 /C?
USER:
prt 1 dl indented

PROG:

1
SECONDARY SOURCE ID       NRC/69/017988
NAME                      Herpes Resource Center (HRC)
ADDRESS                   P O  Box 100. Palo Alto. Calif  94302 TEL.
                          (415)  328-7710
ADDRESS                   Location: 260 Sheridan Ave.
COUNTRY                   Calif.
ZIP CODE                  94302
ABSTRACT                  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
                          fundraising projects. INTERESTS: Herpes
                          simplex virus; venereal disease; social
                          health; public health. PUBLICATIONS: 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.
KEYWORDS                  Venereal diseases
KEYWORDS                  Herpes simplex virus
KEYWORDS                  Public health
KEYWORDS                  Medical research
KEYWORDS                  Medical care
KEYWORDS                  Social medicine
KEYWORDS                  Continuing medical education
KEYWORDS                  Public education
KEYWORDS                  Health education
KEYWORDS                  Professional associations
NAME TYPE                 Non-profit Institution
NAME TYPE                 Undesignated
ENTRY MONTH               8205
```

GPO STYLE MANUAL PREFERRED TEXT FORMS OF STATE ABBREVIATIONS

Alabama - Ala.
Alaska (Not abbreviated)
Arizona - Ariz.
Arkansas - Ark.
Canal Zone - C.Z.*
California - Calif.
Colorado - Colo.
Connecticut - Conn.
Delaware - Del.
Distr. of Columbia - D.C.
Florida - Fla.
Georgia - Ga.
Hawaii (Not abbreviated)
Idaho (Not abbreviated)
Illinois - Ill.
Indiana - Ind.
Iowa (Not abbreviated)
Kansas - Kans.
Kentucky - Ky.
Louisiana - La.
Maine (Not abbreviated)
Maryland - Md.
Massachusetts - Mass.
Michigan - Mich.
Minnesota - Minn.
Mississippi - Miss.
Missouri - Mo.
Montana - Mont.
Nebraska - Nebr.
Nevada - Nev.
New Hampshire - N.H.
New Jersey - N.J.
New Mexico - N. Mex.
New York - N.Y.
North Carolina - N.C.
North Dakota - N. Dak.
Ohio (Not abbreviated)
Oklahoma - Okla.
Oregon - Oreg.
Pennsylvania - Pa.
Puerto Rico - P.R.*
Rhode Island - R.I.
South Carolina - S.C.
South Dakota - S. Dak.
Tennessee - Tenn.
Texas - Tex.
Utah (Not abbreviated)
Vermont - Vt.
Virgin Island - V.I.*
Virginia - Va.
Washington - Wash.
West Virginia - W. Va.
Wisconsin - Wis.
Wyoming - Wyo.

*Not abbreviated in NRC database.

NOTE: State names in the current test version of DIRLINE are abbreviated according to the above list. You will be notified as soon as the USPS two-letter state abbreviations are implemented.

Related Registry Number Information in MESH VOCABULARY and MEDLINE

Ruth L. Stander, Index Section, NLM

INTRODUCTION

In the past, chemical records in the MESH VOCABULARY File for "parent" compounds (identified in the Name of Substance (NM) field) have included Chemical Abstracts Service registry numbers for salts and/or stereoisomers in the Note field (NO). These numbers were not directly searchable, and therefore served an informational purpose only. This information is being transferred to a new data element, the Related Registry Number (RR). This directly searchable field contains the related registry number and identification of the relationship to the "parent"; for example:

RR - 52336-53-5 (iodide)
RR - 66461-18-5 ((+)-isomer)

RR FIELD SEARCHING IN MESH

The RR field is searchable in the MESH VOCABULARY File by typing the registry number with or without the (RR) category qualifier. The parenthetical information describing the information is ignored for searching.

SAMPLE RECORD

	1
Name of Substance	NM - cefonicid
Registry Number for NM	RN - 61270-58-4
Registry Numbers for salts and stereoisomers	RR - 61270-78-8 (di-Na salt(6R-(6alpha,7beta(R*)))-isomer) RR - 69088-92-2 ((6R-(6alpha,7beta))-isomer) RR - 71420-79-6 (mono-Na salt)
	SY - SK&F 75073
MeSH Heading equivalent	HM - *CEFAMANDOLE/analogs
Usually contains information about the NM or related compounds	NO - RN given refers to (6R-(6alpha,7beta(R*)))-isomer; USAN reference for di-Na salt; RN for cpd without isomeric designation not in Chemline 7/5/83

The record above can be retrieved as follows:

Recommended		Alternate	
USER: CEFONICID	-or-	USER: CEFONICID (NM)	
USER: SK&F 75073	-or-	USER: SK&F 75073 (SY)	
USER: 61270-58-4	-or-	USER: 61270-58-4 (RN)	
USER: 69088-92-2	-or-	USER: 69088-92-2 (RR)	(The other two RR numbers could also be used.)

Note that the category qualifier is optional in each case.

RELATED REGISTRY NUMBER SEARCHING IN MEDLINE

In MEDLINE, citations for cefonicid can be retrieved as follows:

Recommended		Alternate
USER: CEFONICID (NM)		(none)
USER: SK&F 75073 (NM)		(none)
USER: 61270-58-4	-or-	USER: 61270-58-4 (RN)
USER: 69088-92-2	-or-	USER: 69088-92-2 (RN)

All six strategies above will retrieve the same set of citations. Note that the Name of Substance and synonym searches must be qualified by (NM). The Registry Numbers may be searched with or without the (RN) qualifier, but if a qualifier is used, it must be (RN) even if the number is really an RR in the MeSH field. The RR data is searched in MEDLINE as though it were an RN through a special mapping program between MEDLINE and the MESH VOCABULARY File. The related registry numbers are not carried on the MEDLINE records, but are searched in a manner similar to entry terms for actual MeSH Headings and synonyms for Names of Substances.

Because it is general NLM policy to create MeSH chemical records for parent compounds for MEDLINE indexing, searches by Registry Number for structurally identical compounds may have missed some retrieval in the past. Now a Registry Number search in MEDLINE retrieves all citations about structurally identical compounds, whether the parent Registry Number, or a salt or isomer Registry Number present in the MESH file is used. RN and NM searching is only available from 1980 forward; the backfiles cannot be searched with these techniques.

NLM expects to complete the addition of the RR field to all chemical records in the MESH VOCABULARY File by the time the 1984 version of the file becomes available in December 1983.

*****

STRINGSEARCHING HINTS FOR PDQ

Diane L. Glunz, Reference Section
Norris Medical Library, University of Southern California

The PDQ database has sparked much interest among our Cancer Center researchers. This interest has generated several geographic-based search requests. Retrieving protocols of a specific geographic location is facilitated by the use of the stringsearching capability on the individual state field. The following illustrates the strategy to retrieve the protocols operating in the San Francisco, California area:

```
SS 1 /C?
USER:
file pdq
PROG:
YOU ARE NOW CONNECTED TO THE PDQ FILE.

SS 1 /C?
USER:
ca                                          All California protocols retrieved
PROG:
SS (1) PSTG (219)

SS 2 /C?
USER:
ts (ca) : san francisco :                   Stringsearch on city
PROG:
(48) SCHD (20) QUAL: CONT? (Y/N)

USER:
Y
PROG:
(107) SCHD (31) QUAL: CONT? (Y/N)

USER:
Y
PROG:
(150) SCHD (55) QUAL: CONT? (Y/N)

USER:
Y
PROG:
(201) SCHD (71) QUAL: CONT? (Y/N)

USER:
Y
PROG:
SS (2) PSTG (71)
```

It is also possible to use the same method to retrieve numeric strings, such as area codes of telephone numbers or zip codes from the state field. After retrieving the California protocols by searching on CA, either number can be stringsearched as follows:

```
USER:
ts (ca) : 415 :                          Area code stringsearch


ts (ca) : 94143 :                        Zip code stringsearch
PROG:
```

Address information for the principal investigator, which is found in the Address (AD) field (and not the state field), can also be obtained by stringsearching. For example:

```
SS 1 /C?
USER:
ca                                       California protocols
PROG:
SS (1) PSTG (219)

SS 2 /C?
USER:
ts (ad) : san francisco :                City stringsearch on AD field
PROG:
(48) SCHD (0) QUAL; CONT? (Y/N)

   :

USER:
Y
PROG:
(193) SCHD (5) QUAL; CONT? (Y/N)

USER:
Y
PROG:
SS (2) PSTG (5)
```

Stringsearch can also be used to isolate a specific institution name within the state. For example, after retrieving the California protocols as previously illustrated, one could stringsearch as follows:

```
SS 2 /C?
USER:
ts (ca) : city of hope :                 Institution stringsearch on CA field
PROG:
(48) SCHD (3) QUAL; CONT? (Y/N)

   :

USER:
Y
PROG:
SS (2) PSTG (67)
```

PRINTING ONLINE VS OFFLINE

Sheila T. Proudman, MEDLARS Management Section, NLM

Online searchers have expressed curiosity about the number of citations at which offline printing becomes more cost-beneficial than online printing. In an effort to find out, the MEDLARS Management staff has conducted tests on the MEDLINE and TOXLINE databases. These tests involved printing out groups of citations at 300 or 1200 baud in several different print formats, and comparing the online costs with the offprint costs for the same groups of citations.

MEDLINE

A group of ten single-term searches was used to create a sample from MEDLINE. The group as a whole contained 46.9% abstracts online, as compared to 46.5% in MEDLINE for that time period. The response time was never greater than three seconds during the test. Citations were printed out in SD, FU, AR, and DL format at 300 and 1200 baud. The average number of seconds required to print one citation in each format at each speed is shown below:

Average Number of Seconds

Speed	SD	FU	AR	DL
300 baud	9.2	27.0	27.5	58.7
1200 baud	2.6	7.5	7.6	17.5

Multiplying the appropriate number by the number of citations being printed and by the connect time charge of $0.0061 (0.61 cents) per second at prime time rates or $0.0042 (0.42 cents) per second at non-prime time rates yields the total charge for any group of citations. Thus, for a group of 50 citations from MEDLINE, the charges would be:

Online Charges

Speed	SD	FU	AR	DL
300 baud (prime)	$2.81	$8.24	$8.39	$17.91
300 baud (non-prime)	$1.93	$5.67	$5.78	$12.32
1200 baud (prime)	$0.79	$2.32	$2.30	$ 5.34
1200 baud (non-prime)	$0.55	$1.60	$1.55	$ 3.68

For offline printing of a group of citations, page charges and the online time charges for answering the offline print routine questions must be considered. A group of 50 citations from MEDLINE can be printed on 6 pages in the SD format, 11 pages in the FU format, 12 pages in the AR format, and 30 pages in the DL format, for page charges of $1.08, $1.98, $2.16, and $5.40 respectively. Added to this is the cost of one (at 1200 baud) or two (at 300 baud) minutes of online time for the procedure itself: $0.73 or $0.50 for two minutes at prime or non-prime rates, $0.36 or $0.25 for one minute at prime or non-prime rates. A summary table of offline costs for the four formats at each speed is shown below:

	Total Cost (Pages + Connect Time)			
Speed	SD	FU	AR	DL
300 (prime)	$1.82	$2.72	$2.90	$6.14
300 (non-prime)	$1.58	$2.48	$2.66	$5.90
1200 (prime)	$1.45	$2.66	$2.53	$5.77
1200 (non-prime)	$1.33	$2.23	$2.41	$5.65

A comparison of the two tables indicates that, while printing offline is much less costly than printing online at 300 baud, online printing at 1200 baud costs less than printing offline, especially at non-prime rates.

TOXLINE

Similar results were obtained for the TOXLINE database. The online charge for connect time for TOXLINE is $0.92 per minute prime time and $0.80 per minute non-prime time; offline pages cost $0.41 per page. The summary table below shows how the online and offline printing costs compare for a group of 50 citations printed in the SD, FU, and DL formats at 300 and 1200 baud:

	Online Printing Costs			Offline Printing Costs		
Speed	SD	FU	DL	SD	FU	DL
300 baud (prime)	$8.85	$39.10	$45.40	$4.39	$9.69	$12.59
300 baud (non-prime)	$7.70	$33.85	$39.40	$4.15	$9.45	$12.35
1200 baud (prime)	$2.75	$ 9.65	$12.00	$3.47	$8.77	$11.67
1200 baud (non-prime)	$2.38	$ 7.97	$10.42	$3.35	$8.65	$11.55

CONCLUSION

Under the conditions of these tests and the current price structure, printing online at 1200 baud is not only fast and convenient, it also costs less than offline printing.

*****

AVLINE Update

Alice E. Jacobs, Technical Services Division, NLM

NLM Distribution Services

AVLINE now contains new values in the procurement source (PC) and shelving location (SL) fields. The new values are directly searchable and printable to aid in the identification of audiovisual titles available for loan from NLM. Until all the affected AVLINE records have been changed, it is advisable to combine the new and the old form of the PC and SL values when searching for audiovisuals that are part of the NLM distribution programs.

FIELD	OLD VALUE	NEW VALUE
PC	National Medical Audiovisual Center	National Library of Medicine (U.S.)
PC	NMAC-ILL	NLM-ILL
PC	NMAC-ILL(S)	NLM-ILL(S)
SL	NMAC	AVRS/RSD
SL	NMAC(S)	AVRS/S

These changes reflect the establishment of the Audiovisual Resources Section in the Reference Services Division. Please update Part 9.5.43.1 of the Online Services Reference Manual to reflect these changes.

Restricted Use Audiovisuals in Psychiatry

A new shelving location value, APA, has been established in AVLINE to indicate selected audiovisuals in psychiatry which have been withdrawn from NLM's collection. These audiovisual programs are restricted to professional use and have been transferred to the library of the American Psychiatric Association. Users desiring more information about availability of these titles should contact the American Psychiatric Association; 1400 K Street, N.W.; Washington, DC 20005; telephone (202) 682-6000.

*****

CLASSIFICATION CODE CHANGES IN RTECS

Jeanne C. Goshorn, Specialized Information Services, NLM

The Classification Code (CC) field in the online Registry of Toxic Effects of Chemical Substances (RTECS) file is a multiply occurring field containing terms used to classify a compound by effect or use. In order to more accurately describe the study data which the National Institute of Occupational Safety and Health uses to generate these terms, the following changes have been made for three terms:

TUMOR DATA replaces tumorigen

MUTATION DATA replaces mutagen

REPRODUCTIVE DATA replaces teratogen

The full listing of RTECS Classification Codes can be found on page 409, Part 14.4.6, of the NLM Online Services Reference Manual. The user is reminded that the Classification Codes are inserted when certain types of data are present within a record; they do not represent an evaluation of a substance's toxicity. The new terms will better indicate the presence of certain types of data without implying either positive or negative effects (e.g., TUMOR DATA indicates a study with observations for tumor development). Please consult the NLM Technical Bulletin article, "Classification Codes in RTECS," pp. 8-12, February 1982, for more details. The following partial record from RTECS illustrates the use of these new classification code terms:

```
SS 1 /CC?
USER:
PRT 1 INCLUDE CC

PROG:

SI  - NIOSH/AB1925000
N1  - ACETALDEHYDE
RN  - 75-07-0
CC  - TUMOR DATA
CC  - MUTATION DATA
CC  - REPRODUCTIVE DATA
CC  - PRIMARY IRRITANT
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NEW POPLINE TOOL AVAILABLE

Ann J. Preiss, Johns Hopkins University, MEDLARS Management Section, NLM

The POPLINE Thesaurus Geographical Supplement enclosed with this issue of the NLM Technical Bulletin was compiled by the POPLINE producers in cooperation with the United Nations-based Population Information Network (POPIN). It is an attempt to standardize the terms used to describe geographical regions and country names for indexing and retrieval of population literature. The supplement is based on terms used in the Demographic Yearbook, which is updated and published annually by the United Nations (UN) Statistical Office. The primary exception to the UN practice in this supplement is that geographic, rather than political country names, are used to facilitate searching (e.g., CHINA rather than PEOPLE'S REPUBLIC OF CHINA).

The Geographical Supplement should be used in conjunction with the POPLINE Thesaurus, available from the Population Information Program or the Center for Population and Family Health Library/Information Program. It should simplify geographic searching in POPLINE.

The basic purpose of this supplement is to increase thesaurus compatibility as well as compatibility among information systems and networks in the population field. Comments about the content of the supplement should be directed to the POPLINE producers listed below. Questions about its use for database searching may be directed to the MMS Service Desk.

Population Information Program (PIP)
The Johns Hopkins University
624 North Broadway
Baltimore, MD 21205

*Population Index (IND)
Princeton University
21 Prospect Avenue
Princeton, NJ 08540

Center for Population and Family Health
Library/Information Program (CPFH)
Columbia University
60 Haven Avenue
New York, NY 10032

*No thesaurus or document requests to this producer.

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - JUNE 1983
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. 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.

BIOTECHNOLOGY
1,1982--
ADDISON-WESLEY
READING MA UNITED STATES
ADDISON-WESLEY PUBLISHING COMPANY INC., READING MA 01867
IN PROCESS
B19833000

CLINICAL AND EXPERIMENTAL RHEUMATOLOGY
1N1,JAN-MAR,1983--
PACINI EDITORE
PISA ITALY
PACINI EDITORE,VIA S. MARIA 31,56100 PISA,ITALY
IN PROCESS
C25570000
$40.00

CURRENT TOPICS IN CHINESE SCIENCE. SECTION G, MEDICAL SCIENCES
1,1982--
GORDON AND BREACH
LONDON ENGLAND
ON ORDER
C57670000

DENTAL MATERIALS JOURNAL
1N1,DEC 1982--
JAPANESE SOCIETY FOR DENTAL MATERIALS AND DEVICES
TOKYO JAPAN
JAPANESE SOCIETY FOR DENTAL MATERIALS AND DEVICES, C/O KOKU HOKEN KYOKAI, 1-44-2 KOMAGOME, TOSHIMA-KU, TOKYO 170 JAPAN
IN PROCESS
D04445000

IM HYGIE
1N1,1982--
INTERNATIONAL UNION FOR HEALTH EDUCATION
OFFICIAL ORGAN OF: THE INTERNATIONAL UNION FOR HEALTH EDUCATION. CONTINUES: INTERNATIONAL JOURNAL OF HEALTH EDUCATION. VOLS. FOR 1982- INCLUDE EUROPE NEWS AS A SEPARATE SECTION.
PARIS FRANCE
HYGIE, 9, RUE NEWTON F-75116, PARIS FRANCE
W1 HY353
H22997100

JOURNAL OF EXPERIMENTAL PATHOLOGY
1,1983--
MARY ANN LIEBERT
NEW YORK UNITED STATES
MARY ANN LIEBERT,157 EAST 86TH ST,NEW YORK NY 10028
ON ORDER
J20615000
$95.00

JOURNAL OF HYPERTENSION
1N1,JUN 1983--
GOWER ACADEMIC JOURNALS
VOL. 1 COMPLETE IN 4 NOS.
LONDON ENGLAND
GOWER MEDICAL PUBLISHING,MIDDLESEX HOUSE,34-42 CLEVELAND ST,LONDON W1P 5FB,ENGLAND
IN PROCESS
J23623000

REVIEW OF BIOLOGICAL RESEARCH IN AGING
1,1983--
ALAN R. LISS
NEW YORK UNITED STATES
ALAN R. LISS INC.,150 FIFTH AVENUE, NEW YORK NY 10011
IN PROCESS
R28515000

IM REVMATOLOGIIA
1,1983--
IZDATELSTVO MEDITSINA
SUPERSEDES: VOPROSY REVMATIZMA.
MOSKVA USSR
W1 RE74K
R41271000

SOUTH AFRICAN JOURNAL OF CONTINUING MEDICAL EDUCATION
1983--
MEDICAL ASSOCIATION OF SOUTH AFRICA
SOUTH AFRICA
ON ORDER
S31670000
$38.00

IM ZEITSCHRIFT FUR UNFALLCHIRURGIE, VERSICHERUNGSMEDIZIN UND BERUFSKRANKHEITEN
76N1,1983--
HANS HUBER
CONTINUES: ZEITSCHRIFT FUR UNFALLMEDIZIN UND BERUFSKRANKHEITEN.
BERN SWITZERLAND
W1 ZE629T
Z05970000

ISSN 0146-3055
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NO. 172

THE NLM TECHNICAL BULLETIN

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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • National Institutes of Health
National Library of Medicine

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	11,768	THROUGH 1983	25 AUG 83	
BIOETHICS	14,752	JAN 73-FEB 83	18 APR 83	8304(EM)
CANCERLIT	367,903	JAN 63-AUG 83	08 AUG 83	8308(EM)
CANCERPROJ	21,117	1978-1981	12 NOV 81	8110(EM)
CATLINE	506,677	THROUGH 1983	29 AUG 83	
CHEMLINE	571,956		17 AUG 83	8307(EM)
CLINPROT	3,906		24 AUG 83	8308(EM)
DIRLINE	13,056		01 AUG 83	
EXPRESS	8,301	APR 83-AUG 83	08 AUG 83	8308(EM)
HEALTH	251,602	JAN 75-SEP 83	16 AUG 83	8309(EM)
HISTLINE	56,071		25 AUG 83	8307(EM)
MEDLINE	875,102	JAN 80-SEP 83	08 AUG 83	8309(EM)
MED77	775,365	JAN 77-DEC 79	18 JUL 83	
MED75	642,927	JAN 75-DEC 76	13 DEC 82	
MED71	884,055	JAN 71-DEC 74	28 FEB 83	
MED66	955,058	JAN 66-DEC 70	13 DEC 82	
MESH VOC	47,848	1983	29 AUG 83	
NAME AUTH	148,510		22 AUG 83	
PDQ	913		29 AUG 83	8308(EM)
PDQ/DIRECTORY	9,052	AUG 83	24 AUG 83	8308(EM)
POPLINE	112,408	1970-AUG 83	24 AUG 83	8308(EM)
RTECS	61,118	THROUGH APR 83	21 JUN 83	
SDILINE	25,266	SEP 83	08 AUG 83	
SERLINE	41,571	1983	16 AUG 83	
TDB	4,059		24 AUG 83	
TOXLINE	608,269		25 JUL 83	8307(EM)
CBAC	307,185	1979-VOL 98(12,13)		
TOXBIB	107,344	1979-AUG 83		
IPA (ASHP)	22,119	1979-VOL 20(13,14)		
HEEP	49,263	1979-VOL 12(8)		
PESTAB	8,209	1979-VOL 14(DEC 81)		
EMIC	39,495	1950-MAY 83		
ETIC	28,195	1950-MAY 83		
RPROJ	28,306	1979-FEB 82		
TD3	16,153	GRA & I 82(25)-83(10,11)		
TOXBACK74	474,653		19 APR 82	
CBAC	265,253	1974-1978		
TOXBIB	103,386	1974-1978		
IPA (ASHP)	30,606	1974-1978		
HEEP	61,871	1974-1978		
PESTAB	13,537	1974-1978		
*TOXBACK65	387,377		19 APR 82	
CBAC	196,015	1965-1973		
TOXBIB	112,170	1968-1973		
IPA	21,973	1969-1973		
HEEP	29,662	1970-1973		
HAPAB/PESTAB	12,966	1968-1973		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1973		

* = AVAILABLE ONLY THRU OFFSEARCH

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National Library of Medicine
Bldg. 38A, Rm. 4N421
Bethesda, Maryland 20209

TECHNICAL NOTES

Whenever applicable, the headings of each Technical Note include 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.

NEW JOURNAL SUBSET VALUE (Manual 7.3.27, 11.3.33, 16+) - A new Journal Subset (SB) tag has been added to MEDLARS. The value is "X" and it appears in several databases with slight variations in meaning. The following summarizes these differences:

Database	Tag	Definition
SERLINE	X	Identifies the core list of journals for the new EXPRESS database (about 180 titles). A corresponding tag is the value 'CXP' in the Abstracting & Indexing Tag (AI) field. The tags X and CXP mean the same thing.
EXPRESS/ CANCERLIT	X	Identifies the citations from all journals selected for the EXPRESS database (about 400 titles total). Effective Date: 8306 (EM) forward.
MEDLINE	X	Identifies all citations from the EXPRESS core list journals whether or not the articles are cancer-related. It is added to the MEDLINE citation during validation against SERLINE before the EXPRESS search profile is run. Therefore, it does not have the same meaning as the EXPRESS/CANCERLIT X (SB) tag where it does mean the citation is cancer-related. Effective Date: 8308 (EM) forward.
HEALTH	X	Has same meaning as in MEDLINE. Tag is simply retained on citations in the MEDLINE component of the HEALTH file. Effective Date: 8308 (EM) forward.

NEW ALIASES FOR TOXBACK DATABASES (Manual 12+) - Two new database name aliases have been implemented for the TOXBACK files as follows:

DATABASE NAME	ALIAS
TOXBACK74	T74
TOXBACK65	T65

These aliases may be used when issuing a FILE command or in response to the FILES? prompt during an OFFSEARCH in lieu of the established name for the database.

UPCOMING REGIONAL TRAINING CLASSES - Searchers in Region 3 (Regional Medical Library at the University of Illinois, Chicago) and Region 2 (Southeastern/ Atlantic Regional Medical Library Services) should take special note of the upcoming Abbreviated Advanced courses being held in these regions in the fall. These classes are scheduled as follows:

Date	Location
October 26-28, 1983	Chicago, IL
November 8-10, 1983	Atlanta, GA

Individuals from these and other regions who want to attend either class should contact the MEDLARS Management Section for a training application.

SEARCHING TITLE ABBREVIATIONS - A Title Abbreviation (TA) listed in SERLINE, the List of Journals Indexed for Online Users, or the List of Journals Indexed for Index Medicus with a bracket as part of the Title Abbreviation should be searched online without the bracket. For example,the Title Abbreviation:

Br Med J [Clin Res]

should be searched online as:

Br Med J Clin Res (TA)

However, Title Abbreviations that include parentheses should be searched with the parentheses. For example, the Title Abbreviation:

Dent Health (London)

should be searched online as:

Dent Health (London) (TA)

LIST OF SERIALS INDEXED FOR ONLINE USERS - The List of Serials Indexed for Online Users contains the Title Abbreviations for titles that have ceased publication but were, at some point in time, indexed for MEDLINE. These Title Abbreviations still appear in the MEDLINE backfiles, and because of this, are listed in the List of Serials. Therefore, some Title Abbreviations may receive a No Postings (NP) message if searched in the current MEDLINE file. A searcher may verify the currency of a title by searching any Title Abbreviation in SERLINE.

THE @ SEARCH INDICATOR - In the past, searchers were asked to input an "@" (at sign) following each intellectual search input during a search session. This @ was used by NLM to calculate the number of searches performed online. NLM no longer calculates the number of searches in this manner; therefore, searchers may cease inputting the @ following each search.

MESH TOOLS, 1984 - The following 1984 MeSH tools may now be ordered from NTIS:

Medical Subject Headings - Annotated Alphabetic List, 1984	PB83-223156	$17.00
Medical Subject Headings - Tree Structures, 1984	PB83-223164	$12.00
Permuted Medical Subject Headings, 1984	PB83-234781	$12.00

PDQ/DIRECTORY FREE CONNECT TIME - At the request of the National Cancer Institute, online connect time for the PDQ/DIRECTORY database will be free through September 1983. OFFSEARCHes and OFFLINE prints are not available from this file at the present time.

*****

ANNOUNCEMENT OF INTERLIBRARY LOAN CHARGES

James C. Cain, Circulation and Control section, NLM

Effective October 1, 1983, the National Library of Medicine (NLM) will charge domestic libraries $5.00 and foreign libraries $7.00 for each interlibrary loan filled by NLM on or after that date. This change in policy is in response to the philosophy within the Federal Government to establish fees for services, to encourage the development of resources regionally and locally, and to bring NLM practice into conformity with Resource and Regional Medical Libraries in the Regional Medical Library Network.

The $5.00 charge to domestic libraries will be a standard fee for the provision of a photocopy of a journal article or for loan of a monograph or videocassette. There will be no charge for loan requests which are not filled. U.S. Federal libraries are not charged for loans filled by NLM. The $7.00 charge to foreign libraries is the fee for provision of a photocopy of a journal article. Material in the original form is not loaned outside the United States. Fees include charges for handling and postage.

Requesters are urged to establish deposit accounts with the National Technical Information Service (NTIS). Invoices will be issued quarterly. For information on deposit accounts, write or call: National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161; (703) 487-4770.

All of the required procedures for securing interlibrary loans from NLM will continue to be as specified in the Fact Sheet "Interlibrary Loan Policy" revised in 1983, and regularly printed in the monthly Index Medicus (also available from Circulation and Control Section).

Questions regarding this policy should be addressed to Circulation and Control Section, Reference Services Division, National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20209, telephone: (301) 496-5511.

*****

CALL FOR CANCER FILE USER SURVEYS

The International Cancer Research Data Bank (ICRDB) program is interested in obtaining copies and results of user surveys that you may have conducted during the last two years on the cancer files (CANCERLIT, CANCERPROJ, CLINPROT, PDQ). We are interested in reviewing surveys that evaluated any or all cancer files, or surveys that contained questions on cancer files. All survey information will be kept confidential. Please mail surveys, results, and related information to:

Chris Olson
National Cancer Institute
ICRDB Program
Bloch International Cancer Information Center
Bethesda, MD 20205

If you have any questions, please feel free to phone the ICRDB office at (301)496-7403 and ask for Chris Olson.

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GENERAL GUIDELINES FOR COST-EFFECTIVE SEARCHING

Carolyn B. Tilley and Sheila T. Proudman, MEDLARS Management Section, NLM

As described in the July issue of the NLM Technical Bulletin, it is expected that usage of the NLM online system will be charged according to a new method beginning in the fall. Online searching will be billed on the basis of an algorithm that will include connect hour use (reduced from the current charges), work performed by the NLM computer, and characters sent to the user's terminal. The expectation is that users who make "average" demands on the computer's resources will pay about as much per month as they did before. In addition to seeking methods for reducing connect time, such as using 1200 baud rather than 300 baud equipment, or preparing search strategies offline before logging in, users may also want to reduce non-essential printing and use of computer work units (disk accesses) so that their use of the system will be as cost-effective as possible.

Several methods of reducing computer work units have been discussed in online training classes, the NLM Technical Bulletin, and the Online Services Reference Manual, under the names "efficient," "judicious," or "cost-effective" searching.

Pre-explosions

One excellent way to reduce computer work units is to search with pre-explosions in preference to "ordinary" explosions whenever possible. Headings that have pre-explosions available are marked with a dot in the Annotated Alphabetic MeSH, and are listed separately in the prefatory section. A comparison of the time and work units required to search these terms as "ordinary" explosions and as pre-explosions is shown below:

EXPLOSIONS	PRE-EXPLOSIONS
EXP ANTIBIOTICS	ANTIBIOTICS (PX)
Generates 7 TIME OVFLWs Uses 516 work units	No TIME OVFLWs Uses 15 work units
EXP HEART DISEASES	HEART DISEASES (PX)
Generates 4 TIME OVFLWs Uses 328 work units	No TIME OVFLWs Uses 15 work units
EXP VIRUSES	VIRUSES (PX)
Generates 10 TIME OVFLWs Uses 743 work units	No TIME OVFLWs Uses 17 work units

Redundant Searching

In general, any technique that reduces the number of TIME OVFLW messages received will reduce the work units used. Redundant use of explosions and highly posted terms will have considerable impact on the number of work units required for a search. For example, this search

SS 1: EXP EYE DISEASES AND MALNUTRITION

SS 2: EXP EYE DISEASES AND NUTRITION

SS 3: EXP EYE DISEASES AND DIET

SS 4: 1 OR 2 OR 3

uses 935 work units and generates 12 TIME OVFLWs. The less redundant formulation would be:

SS 1: EXP EYE DISEASES

SS 2: MALNUTRITION OR NUTRITION OR DIET

SS 3: 1 AND 2

which uses 381 work units and generates only 4 TIME OVFLW messages. It is more efficient to place large retrieval sets or highly-posted terms that will be referred to subsequently into separate search statements. They may then be combined with subsequent terms using the search statement number for the items retrieved, rather than typing in the terms anew each time and forcing the computer to re-retrieve the same terms.

Stringsearching

This is the most work unit-intensive search procedure in ELHILL. Under the new algorithm it will be more important than ever to follow the guidelines for judicious use of stringsearching that have been published in the Technical Bulletin, the Manual, and in NLM online training materials. To summarize:

1) Limit retrieval as much as possible before stringsearching.

2) Stringsearch for items that could be searched directly (such as HUMAN or ENG (LA)) only with a retrieval set of fewer than 300 citations. For example, the retrieval set for the term AIDS, 150 postings, can be stringsearched for ENG language or searched directly:

. . . continued

STRINGSEARCHED	DIRECTLY SEARCHED
AIDS PROG: SS (1) PSTG (150)	AIDS PROG: SS (1) PSTG (150)
SS 2 /C? USER: TS (LA) ENG	SS 2 /C? USER: 1 AND ENG (LA)
Generates one CONTINUE? message Uses 153 work units	Generates 6 TIME OVFLWs Uses 466 work units

Because the set is fewer than 300, stringsearching is more cost-effective. However, with a set of more than 300 citations, searching directly would have been more efficient.

3) Stringsearch multiple items in a single TS instruction

TS (LA) ENG OR FRE OR GER

rather than using several such instructions and then ORing them together.

4) Do not stringsearch when a Text Word search will retrieve the same results:

Stringsearch.... MAXILLARY NEOPLASMS
PROG:
SS (1) PSTG (280)

SS 2 /C?
USER:
TS (TI) :OSTEOSARCOMA : OR : OSTEOSARCOMA : (AB)

Generates 4 CONTINUE? messages
Uses 319 work units

Text Word.... MAXILLARY NEOPLASMS AND OSTEOSARCOMA (TW)

Uses 26 work units

*****

PLEASE TYPE NEWS TO SEE THE MOST RECENT NEWS ITEMS ONLINE

MONTHLY SEARCH HINT: SEARCHING FOR SERIES IN CATLINE

Lou S. Knecht, MEDLARS Management Section, NLM
Carolyn Davis, Cataloging Section, NLM

Background

In February 1983, a change was made in the format of the Series fields (SE), (CE), and (PE). (See the February 1983 NLM Technical Bulletin, page 5.) These fields consist of two subelements: the first holds the series title and the second holds the series number. In the past, the volume or issue designation (e.g., v. or no.) was included in the first subelement. Now it appears as part of the second subelement, which is more consistent with the U.S. MARC (Machine-Readable Cataloging) formats for bibliographic data. In ELHILL, a second or succeeding subelement is represented graphically by a forward slash mark.

OLD FORMAT	CURRENT FORMAT
CURRENT PROBLEMS IN PEDIATRICS ; V./11, NO. 7	CURRENT PROBLEMS IN PEDIATRICS ;/V. 11, NO. 7
DHEW PUBLICATION ; NO. (NIH)/76-1029	DHEW PUBLICATION ;/NO. (NIH) 76-1029

Impact on Searching

Only the first subelement of the Series field is Text Word searchable. In most cases, this has no impact on searching. However, before regeneration, the DHEW, DHHS, HEW series included the institute or agency initialism after the volume designator in the first subelement. Since the initialism, which is actually part of the series issue number, was moved to the second subelement, searching by Text Word on the institute initials is no longer possible. If the title of the piece is known, it is better to search by Text Word or title searchkey on the Title (TI) field. The year of publication can also be used to limit retrieval in order to efficiently stringsearch the series number.

Suggested Search Techniques

SS 1: (TW) DHEW AND PUBLICATION	Text Word search retrieves over 2000 postings
SS 2: 1 AND 1976(Y1)	Limit by publication year, if known. NOTE: The first digits of the series number are not necessarily the year of publication. Sometimes the number is assigned several years in advance of actual publication.
OR	
1 AND _____ (TW)	Limit by another Text Word from the Title, if known.
SS 3: TS (SE) :76#1029:	STRINGSEARCH this smaller subset for number.

*****

REMARKS BY LOIS ANN COLAIANNI, ACTING ASSOCIATE DIRECTOR FOR LIBRARY OPERATIONS, NLM, AT THE ANNUAL MEETING OF THE MEDICAL LIBRARY ASSOCIATION (MLA), MAY 30, 1983

These opening remarks were made by Mrs. Colaianni at the NLM Online Users' Meeting held at MLA in Houston in May. The questions and answers that followed can be found on page 12 of this issue.

Excessive or Poor Response Time:

Occasionally there are times on any online computer system when response time may become excessive. The National Library of Medicine wants to assure you that we are doing everything that we can to carefully monitor our response times for the network users and keep response time at an acceptable level. If you are searching and encounter poor response time please call the MEDLARS Management Service Desk to report your experience. We suggest that if response time becomes unacceptable to you or if you want to be sure generally of the fastest response times, that you logoff if response time is poor, and login instead during non-peak usage times. The NLM computer system experiences peak usage times (with approximately 30-40 users on each copy of the program or around 100 total simultaneous ELHILL users) at several times during the day. Those times when the greatest number of users are on, and response time begins to increase, are from 9:30 to 10:00 a.m. ET in the morning, from 2:30 to 3:00 p.m. ET each afternoon, and later, around 5:30 to 6:00 p.m. ET each evening. Generally, if you try to search during times when most people are not searching you will probably find that this action saves you money because the faster response times will allow you to complete your searches faster.

Hot Temperatures and the NLM Computer:

Some of you may remember last year around this same time that, because of problems with high temperatures on the East Coast, there were difficulties encountered with the NLM system. We have taken a number of steps to improve the situation including installation of a new ten-ton air conditioning unit for the computer room. Should we encounter problems with high temperatures this year, in addition to our requesting that you try to limit your access to non-peak usage times, we may have to take some of the files offline temporarily. If this happens, we will alert all users via the online NEWS and identify the specific databases affected as well as including any other information that we feel might be useful to you.

Articles for the NLM Technical Bulletin

I would like to encourage all of you to help transmit searching information to your fellow searchers by writing articles for our NLM Technical Bulletin. While I cannot promise that all will be published, or all published as written, we are very anxious to publish articles that you think will be of interest and value to your colleagues. Please send all articles to the MEDLARS Management Section, NLM; their staff will be in contact with you.

*****

NLM Online Users' Meeting
Medical Library Association Annual Meeting
Houston, Texas -- May 30, 1983

The following questions were posed at the recent NLM Online Users' Meeting held at the Annual Meeting of the Medical Library Association in Houston, Texas. The answers are formal responses prepared after the meeting.

1. Q. Does NLM have plans to release the data collected during the logon procedure regarding the purpose and the type of user for searches?

   A. The data are too preliminary for release and were used for an internal administrative study only. NLM may repeat the procedure to get a better feeling for the accuracy and validity of the data; at that time the data may be released.

2. Q. In your thinking about the charging (new pricing algorithm), did you also think about the possibility of having the cost of the search available at the end of each search so that we know immediately how much the search will cost?

   A. The new SHOW COST command includes both the capability for the user to see database and total terminal session costs on request as well as an automatic display of total terminal time and estimated online costs at the end of the session. (See article on SHOW COST on page 7 of the July NLM Technical Bulletin.)

3. Q. For Automatic SDIs, do the profiles have to be changed each year when you update the search strategy?

   A. There is no edit capability available for stored searches or for saved searches in the present ELHILL program. NLM has requested that capability as an enhancement to MEDLARS (MEDLARS III) but there is no way to make that added capability available to you at this time.

4. Q. When will you update the CANCERPROJ file?

   A. The National Cancer Institute expects the CANCERPROJ file to be updated during late calendar year 1983.

5. Q. Has any thought been given to a patient education information database?

   A. NLM has given thought to a patient education database. However, NLM has felt that the best use of its budget and resources is to focus on materials aimed toward health professionals. This has been the continuing position of the NLM Board of Regents. However, the staff members of a group of Federally-sponsored clearinghouses (diabetes, arthritis, smoking, high blood pressure, etc.) have been communicating with each other for several years. They have mounted a combined database on the BRS system as

a private test file. The group is presently discussing making this database available as a public file. One component at present is the Health Education Database built by CDC's Center for Health Promotion and Education and another component was built by the National Diabetes Information Clearinghouse. This database includes information on health and patient education in the form of citations and abstracts from journal articles, monographs, conference proceedings, reports, and non-published documents selected and collected by CDC. Other similar materials on diabetes and arthritis are also included. Other components are expected to be added. There are many other agencies which have the responsibility for health education; NLM's position has been to avoid redundant efforts at taxpayers' expense. NLM does acquire those materials which assist health professionals in the education of their patients.

6. Q. Is NLM considering allowing downloading from SDI's instead of printing and mailing them out?

A. With the new algorithm there will be a method of charging individuals who wish to download citations for personal use into microcomputers, whether the citations are from SDILINE or MEDLINE. At the present time, NLM has no capability available whereby the results of a user's Automatic SDI searches could be placed in a storage area which could later be accessed by a user for downloading. After we have experience with the new charging algorithm, the possibility exists that we will re-instate the capability for users to execute their own Automatic SDI searches (stored searches) online. Citations retrieved could then be downloaded.

7. Q. Does online printing and downloading refer only to micro- and mini-computers?

A. Online printing is generally on terminal paper. Downloading usually refers to storing citations transmitted from a host (or mainframe) computer directly on the storage units (diskettes or hard disks) of a mini- or micro-computer. Downloading does not refer to offprints. The new pricing algorithm will look at and charge for characters transmitted, whether they are going into a computer or whether they are going onto paper. Policies, prices, and procedures with regard to subsets and downloading are under consideration at NLM. As soon as decisions are made, they will be announced.

8. Q. Will NLM consider indexing medical journal and book reviews?

A. Some years ago, NLM did look at the possibility of developing a database that indexed reviews. However, it was determined that reviews came out too late to be of much value. Medical publishers often have small publishing runs and they soon become out-of-stock. NLM felt that it would not be a cost-effective database. NLM plans to look at this issue again in the future and report on our findings at that time.

9. Q. Is NHPIC (National Health Planning Information Center) still in existence?

   A. The National Health Planning Information Center (NHPIC), which is part of the Health Resources Administration, is still in existence. NLM expects some interaction with them regarding inputting prospective NHPIC records to the HEALTH PLANNING & ADMINISTRATION file. (See the article in the May 1983 issue of the NLM Technical Bulletin for information on the addition of retrospective records, 1975-1981, to the HEALTH file.)

10. Q. Regarding Automatic SDI searches and the new pricing algorithm, has any thought been given to applying the differential pricing algorithm to the Automatic SDI program? The $1 per Automatic SDI search per month seems excessive for some of the searches.

    A. NLM will be happy to look at the new pricing algorithm with regard to each of the databases and we are doing that. Once we have experience with the new charging algorithm, we may find that it will be possible to re-instate the capability for users to execute their own Automatic SDI searches online and print or download their retrieval immediately. On an individual basis, that action might be more cost-effective for some searches. The $1 per month per Automatic SDI search executed was imposed based on cost-recovery requirements. As you probably know, the SDILINE Automatic SDI searches are processed a week earlier on an NLM-internal SDILINE file built to produce Index Medicus before the publicly available SDILINE file and updated MEDLINE file are put online.

11. Q. Is there any chance that NLM will increase the storage area for saved searches?

    A. There are certain hard-coded limits in the ELHILL software. This question of expanding the SAVE (or actually the UUSF) area is an example of limits that are hard-coded and cannot presently be modified. The UUSF area holds approximately 6,220 characters. That, again, is hard-coded--a firm limit. Each user's stored address, password, and ID code with password, pagelength, and pagewidth take about 200 to 300 characters. That leaves around 6,000 characters for saved searches. The UUSF area was never envisioned to hold a large number of saved searches. However, with the new pricing algorithm, NLM will give consideration to reactivating the ability for users to execute stored searches online which would help with solving this particular problem. Once NLM has the pricing algorithm in place so that users know and understand which activities use a great deal of computer work units, then individual users can determine the cost of executing their stored searches online. If it is decided that a certain activity is desirable, for example, executing stored searches online, then users will have to pay for the computer work to perform the activity. If stored searches are made executable online once again, then the need for saved searches is not as great.

12. Q. How many physicians have individual codes for accessing the MEDLARS system and what are NLM's projections?

A. The number of individual physicians accessing MEDLARS directly is around 40. It is unknown how many other individual physicians may be accessing the system through use of a library's code loaned to them. NLM has, from time to time, had individual physicians take the three-day or five-day Initial training course. NLM anticipates that more individuals will be interested in the future and this is why NLM is presently developing materials and programs for training health professionals to access MEDLARS directly.

*****

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - JULY 1983
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. 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.

GROWTH AND MATURATION FACTORS
1,1983--
JOHN WILEY AND SONS
NEW YORK UNITED STATES
JOHN WILEY AND SONS, 605 THIRD AVENUE, NEW YORK NY 10158
IN PROCESS
G12230000

JOURNAL / AMERICAN ASSOCIATION FOR MEDICAL TRANSCRIPTION
1N1,SUMMER 1982--
AMERICAN ASSOCIATION FOR MEDICAL TRANSCRIPTION
MODESTO CA UNITED STATES
AMERICAN ASSOCIATION FOR MEDICAL TRANSCRIPTION,BOX 634,MODESTO CA 95353
IN PROCESS
J11390000
$25.00

JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH. PART C: ENVIRONMENTAL CARCINOGENESIS REVIEWS
C1,1983--
MARCEL DEKKER
SUPERSEDES JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH. PART C: ENVIRONMENTAL HEALTH SCIENCES.
NEW YORK UNITED STATES
MARCEL DEKKER JOURNALS, P.O. BOX 11305, CHURCH STREET STATION, NEW YORK NY 10249
ON ORDER
J20221000

JOURNAL OF EXPERIMENTAL AND CLINICAL CANCER RESEARCH
1N1, JAN/MAR 1982--
APSIT
ROMA ITALY
APSIT,313 VIA DELLA CAMILLUCCIA,00135 ROMA,ITALY
IN PROCESS
J20510000
$50.00

JOURNAL OF PSYCHOSOMATIC OBSTETRICS AND GYNAECOLOGY
1N1, MAY 1982--
BOHN, SCHELTEMA AND HOLKEMA
UTRECHT NETHERLANDS
BOHN,SCHELTEMA AND HOLKEMA,P.O.BOX 13079,3507 LB UTRECHT,NETHERLANDS
IN PROCESS
J36550000

KANGO MOOK
N1,1982--
KANEHARA SHUPPAN
TOKYO JAPAN
IN PROCESS
K01710000

LASER MEDICINE AND SURGERY NEWS
1N1,MAR 1983--
MARY ANN LIEBERT
OFFICIAL NEWSLETTER OF THE AMERICAN SOCIETY FOR LASER MEDICINE AND SURGERY.
NEW YORK UNITED STATES
MARY ANN LIEBERT INC., 157 E. 86TH ST., NEW YORK NY 10028 (TEL: 212-289-2300)
IN PROCESS
L02665000
$57.00

IM MEDICAL AND PEDIATRIC ONCOLOGY. SUPPLEMENT
1,1982--
ALAN R. LISS
NEW YORK UNITED STATES
ALAN R. LISS, 150 FIFTH AVENUE, NEW YORK NY 10011
W1 ME18LA
M16450020

METHODOLOGICAL SURVEYS IN BIOCHEMISTRY AND ANALYSIS
12,1983?--
PLENUM
CONTINUES: METHODOLOGICAL SURVEYS. ISSUED AS: SUBSERIES A: ANALYSIS OR SUB-SERIES B: BIOCHEMISTRY.
NEW YORK UNITED STATES
IN PROCESS
M32345000

NEUROORTHOPADIE
N1,1983--
SPRINGER VERLAG
HEIDELBURG GERMANY, WEST
IN PROCESS
N13170000

PEDIATRIC AND ADOLESCENT GYNECOLOGY
1N1,1983--
MARCEL DEKKER
NEW YORK UNITED STATES
MARCEL DEKKER,270 MADISON,NEW YORK CITY 10016 (212-696-9000)
ON ORDER
P06165000
$45.00

PROGRESS IN CRITICAL CARE MEDICINE
1,1983?--
KARGER
BASEL SWITZERLAND
ON ORDER
P47585000

TODAYS THERAPEUTIC TRENDS
1N1,APR 1983--
COMMUNICATIONS MEDIA FOR EDUCATION
PRINCETON JUNCTION UNITED STATES
NJ
COMMUNICATIONS MEDIA FOR EDUCATION,POST OFFICE BOX 712,PRINCETON JUNCTION NJ 08550
IN PROCESS
T11410000

VACCINE
1N1,SEP 1983--
BUTTERWORTH
LONDON ENGLAND
ON ORDER
V00105000

ISSN 0146-3055
SEPTEMBER 1983
NO. 173

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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • National Institutes of Health
National Library of Medicine

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	11,913	THROUGH 1983	29 SEP 83	
BIOETHICS	14,752	JAN 73-FEB 83	18 APR 83	8304(EM)
CANCERLIT	372,603	JAN 63-SEP 83	06 SEP 83	8309 EM)
CANCERPROJ	21,117	1978-1981	12 NOV 81	8110(EM)
CATLINE	508,147	THROUGH 1983	29 SEP 83	
CHEMLINE	577,894		12 SEP 83	8309(EM)
CLINPROT	3,991		26 SEP 83	8309(EM)
DIRLINE	13,056		01 AUG 83	
EXPRESS	8,477	MAY 83-SEP 83	06 SEP 83	8309(EM)
HEALTH	254,578	JAN 75-OCT 83	12 SEP 83	8310(EM)
HISTLINE	56,052		12 SEP 83	8307(EM)
MEDLINE	899,758	JAN 80-OCT 83	06 SEP 83	8310(EM)
MED77	775,305	JAN 77-DEC 79	19 SEP 83	
MED75	642,905	JAN 75-DEC 76	29 AUG 83	
MED71	884,025	JAN 71-DEC 74	29 AUG 83	
MED66	954,760	JAN 66-DEC 70	29 AUG 83	
MESH VOC	48,072	1983	26 SEP 83	
NAME AUTH	149,130		12 SEP 83	
PDQ	946		26 SEP 83	8309(EM)
PDQ/DIRECTORY	9,052	AUG 83	24 AUG 83	8308(EM)
POPLINE	112,928	1970-SEP 83	12 SEP 83	8309(EM)
RTECS	63,183	THROUGH JUL 83	26 SEP 83	
SDILINE	24,779	OCT 83	06 SEP 83	
SERLINE	41,732	1983	28 SEP 83	
TDB	4,059		24 AUG 83	
TOXLINE	617,347		30 AUG 83	8308(EM)
CBAC	310,157	1979-VOL 99(1)		
TOXBIB	110,335	1979-SEP 83		
IPA (ASHP)	25,202	1979-VOL 20(15,16)		
HEEP	50,452	1979-VOL 12(9)		
PESTAB	8,209	1979-VOL 14(DEC 81)		
EMIC	39,495	1950-MAY 83		
ETIC	28,195	1950-MAY 83		
RPROJ	28,306	1979-FEB 82		
TD3	16,996	GRA & I 82(25)-83(12,13)		
TOXBACK74	474,653		19 APR 82	
CBAC	265,253	1974-1978		
TOXBIB	103,386	1974-1978		
IPA (ASHP)	30,606	1974-1978		
HEEP	61,871	1974-1978		
PESTAB	13,537	1974-1978		
TOXBACK65	387,377		19 APR 82	
CBAC	196,015	1965-1973		
TOXBIB	112,170	1968-1973		
IPA	21,973	1969-1973		
HEEP	29,662	1970-1973		
HAPAB/PESTAB	12,966	1968-1973		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1973		

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Bethesda, Maryland 20209

TECHNICAL NOTES

Whenever applicable, the headings of each Technical Note include 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.

COLUMBUS DAY HOLIDAY SCHEDULE - The NLM computer will be up on Monday, October 10, 1983, 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, Wednesday, October 12, 1983, the NLM computer will be up and the MMS Service Desk staffed. Regular rates will be in effect all day.

TOXBACK65 ONLINE (Manual 12+) - Beginning September 6, 1983, the TOXBACK65 file was made available online. Searchers may now search all of the TOXLINE files comprehensively online and immediately print the results of a search at the terminal. The file may be accessed by issuing any of the following commands:

FILE TOXBACK65 or FILE TOX65 or FILE T65

Rates for searching the TOXBACK65 file are the same as those charged for searching the TOXLINE and TOXBACK74 files.

All of the databases on the National Library of Medicine's MEDLARS system are now available online.

PDQ/DIRECTORY STATES (STS) FIELD - A two-letter code for the Canadian provinces has been added to the States (STS) field in the PDQ/DIRECTORY file. These codes are:

AB - Alberta
BC - British Columbia
MB - Manitoba
NB - New Brunswick
NF - Newfoundland
NS - Nova Scotia
ON - Ontario
QU - Quebec
SK - Saskatchewan

OVERRIDING SYSTEM PROMPTS - Generally the issuance of a command in response to a system prompt or question, e.g., CONTINUE PRINTING? (YES/NO), will override the prompt and cause the immediate execution of the command. For example:

```
CONTINUE PRINTING? (YES/NO)

USER:
FILE HEALTH
PROG:
YOU ARE NOW CONNECTED TO THE HEALTH PLANNING & ADMIN FILE.

SS 1/C?
USER:
```

However, there are two system prompts that are not overridden simply by issuing a command. These are:

1) MORE NEWS? (YES/NO)

2) REPLY? (YES/NO), a system prompt received when sending a COMMENT.

These system prompts may be overridden, however, by entering a command using the old form of entry for commands, namely, the initial quotation mark ("). The examples below illustrate:

MORE NEWS? (YES/NO) prompt

If a command is entered in response to this prompt without the quotation mark ("), the NEWS command will be cancelled and the user returned to the next search statement prompt. However, the command input will not be executed:

```
MORE NEWS? (YES/NO)

USER:
FILE HEALTH
PROG:

SS 3 /C?
USER:
```

If a command is input with the quotation mark, the command will be executed and the system prompt is overridden:

```
MORE NEWS? (YES/NO)

USER:
"FILE HEALTH
PROG:
YOU ARE NOW CONNECTED TO THE HEALTH PLANNING & ADMIN FILE.
```

REPLY? (YES/NO) prompt

If a command is entered in response to this prompt, the computer will consider the command merely as a NO response to the prompt and will continue in the COMMENT mode and query the user, 'CONT. OR FINISHED-'. In other words, the COMMENT command is not cancelled, and the command input in an attempt to override the COMMENT command is not executed:

```
COMMENT
PROG:
REPLY? (YES/NO)

USER:
FILE HEALTH
PROG:
CONT. OR FINISHED-

USER:
```

Entering the same command with a quotation mark will override the prompt and cause the execution of the command; however, the user will still be in the COMMENT mode:

```
COMMENT
PROG:
REPLY? (YES/NO)

USER:
"FILE TOXLINE
PROG:
YOU ARE NOW CONNECTED TO THE TOXLINE FILE.
CONT. OR FINISHED-

USER:
```

A user may only disengage from the COMMENT mode after the prompt 'CONT. OR FINISHED-' is received, and then only by entering immediately following a USER cue:

a. The response 'FINISHED' (in which case the text that was entered will be sent to MMS)

b. A space followed by a carriage return

c. A command preceded by a quotation mark, e.g.,

```
CONT. OR FINISHED-

USER:
"FILE TOXLINE
PROG:
YOU ARE NOW CONNECTED TO THE TOXLINE FILE.

SS 1 /C?
USER:
```

LISTING INFORMATION RESOURCE ORGANIZATIONS IN DIRLINE - Organizations wishing to have their own particular information resource described in the National Referral Center (NRC) database, which is currently the only component of the new DIRLINE (Directory of Information Resources Online) database, should contact:

The Library of Congress
National Referral Center
Washington, DC 20540
202/287-5680

For additional information about DIRLINE, please see the article in the July 1983 NLM Technical Bulletin, p. 9, titled, "DIRLINE: Directory of Information Resources Online."

TDB FILE UPDATE - The TOXICOLOGY DATA BANK (TDB) file was updated on August 24, 1983 for the Spring/Summer time period. The regular quarterly update of this file is expected to be reinstituted with the Fall update. The file statistics are: 3488 complete records, 571 in process records, 4059 total records. Thirty-eight (38) new compounds have been added to the file since the last update.

OFFPRINTS/ OFFSEARCHES ON DIRLINE, PDQ/DIRECTORY - Effective September 16, 1983, OFFLINE prints and OFFSEARCHES may be requested from the DIRLINE and PDQ/DIRECTORY databases. OFFSEARCHES are charged at $1.00 per OFFSEARCH per database; OFFPRINTS are $.18 per page. Connect time on these two databases is currectly free.

PDQ, DIRECTORY, EXPRESS FREE ONLINE TIME - At the request of the National Cancer Institute, non-billed online access for the PDQ and PDQ/DIRECTORY databases will be extended through December 31, 1983; non-billed online access for the CANCEREXPRESS database will be extended through November 30, 1983. OFFSEARCHES for these databases will continue to be charged at $1.00 per offsearch, per database; OFFPRINT pages are $.18 each.

Users are reminded that CANCEREXPRESS is a small, highly selective database containing cancer-related articles published in some 200 high quality journals during the most recent four months. For this reason, CANCEREXPRESS is particularly useful for retrieving quality articles on a given cancer topic and for formulating test searches.

*****

NEW PRICING ALGORITHM IN EFFECT

The pricing algorithm for online searching will go into effect on Monday, October 3, 1983, for domestic users. This algorithm will be based on connect charges, work performed by the NLM computer, and characters created for transmission to the terminal. Many users will experience no increase in their charges; some may notice modest reductions. Those users making extensive use of the system to retrieve and process large numbers of citations (e.g., downloading) should expect to pay more. Additional information on the new pricing algorithm is contained in the July and August 1983 issues of the NLM Technical Bulletin. Charges for offline print pages, offsearches, and automatic SDIs will remain the same.

The price increases for TDB and RTECS for domestic users announced in June will also go into effect on October 3. The new pricing algorithm will include proportionally higher charges for connect time to reflect the increases for these files. Offprint pages will be $ .60 per page for TDB and $ .41 per page for RTECS. Offsearch charges will continue at $ 1.00 per file.

SEARCH HINT: TIPS FOR COST-EFFECTIVE SEARCHING UNDER THE NEW PRICING ALGORITHM

Carolyn B. Tilley, MEDLARS Management Section, NLM

The new pricing algorithm (see implementation announcement, page 6), is comprised of:

- connect charges
- computer work unit charges
- charges for characters prepared for transmission

This article summarizes some of the ways to reduce charges for computer work units and characters.

1. In general, take advantage of the SAVE and SAVESEARCH capabilities. Formulate your searches in the current or "front" file (i.e., MEDLINE and TOXLINE) and, after saving the strategies, execute them online in the appropriate backfiles. All MEDLINE and TOXLINE backfiles are now online. This will help to reduce both connect and computer work unit charges.

2. TO REDUCE CHARACTER CHARGES . . .

   . . . print only titles and/or vocabulary terms when ascertaining the the relevance of retrieval

   If the titles or MeSH headings confirm that your search needs no further refinement, then print the citations in the format desired.

   . . . use the offline print capability when citations are not needed immediately

   You may wish to print a few citations for the end user online and request the remainder in an offline print. Remember that the PRINT SKIP command must be used when citations exceed 300.

   . . . assess the value of a shorter page length, that is, the number of lines that print out between 'CONTINUE PRINTING? (YES/NO) messages

   The new algorithm charges for characters created, or prepared for transmission, to the user's terminal. These characters are prepared in "batches" depending on the PAGELENGTH set in the user's PROFILE. If printing is interrupted by the transmission of the BREAK key, those characters prepared, but not received at the terminal, will be included in the charge for characters. In other words, if you issue a PRINT command and issue a BREAK instruction before the PRINT is complete, you will be billed for the characters that would have been received at your terminal had you not hit the BREAK key. Depending on your style of searching (some searchers do not routinely use the BREAK key), you may wish to consider shortening the number of lines (therefore the number of characters) prepared for each "batch." The PAGELENGTH is variable, from 10 to 100 lines.

3. An article on page 7 of last month's Technical Bulletin (August 1983) gave examples for reducing computer work units. To reiterate . . .

. . . use Pre-explosions when they exist rather than exploding MeSH headings

A complete list, including the new 1984 Pre-explosions, will be published with the October 1983 issue of this Bulletin. Pre-explosions are also indicated in the Annotated Alphabetic MeSH with a block dot (●) preceding the terms. (Note, however, that Pre-explosions for 1983 were not so indicated in the new edition (1984) of MeSH. You may wish to add dots to the appropriate terms from the list provided with next month's Bulletin.)

REMEMBER: Use GENETICS (PX)

Not EXPLODE GENETICS

. . . avoid redundant use of explosions or highly posted terms

It is cost-effective to enter an exploded term or a highly posted term in a separate search statement that can be referred to subsequently in combination with other terms.

REMEMBER: Use SS 1: EXP HEART DISEASES
SS 2: EXERTION OR EFFICIENCY OR FATIGUE
SS 3: 1 AND 2

Not SS 1: EXP HEART DISEASES AND EXERTION
SS 2: EXP HEART DISEASES AND EFFICIENCY
SS 3: EXP HEART DISEASES AND FATIGUE
SS 4: 1 OR 2 OR 3

. . . follow these Stringsearch guidelines whenever possible, i.e.,

Limit retrieval as much as possible, especially with Text Words, before Stringsearching.

Stringsearch for items that can be searched directly (such as HUMAN or ENG (LA)) only with a retrieval set of fewer than 300 citations. Conversely, search directly for these items with a retrieval set of 300 or more citations.

Stringsearch multiple items in a single TS instruction if appropriate, e.g.,

TS (LA) ENG OR FRE OR GER

TS (TI) :VITAMIN A: OR :VITAMIN A: (AB)

And, at times, Stringsearch can be avoided altogether by Text Word searching. For example, when searching for a specific non-MeSH concept that is indexed under a broad heading, it is more efficient to use Text Words than to Stringsearch. To illustrate, desmoid tumors are indexed under FIBROMA. It would be inefficient to Stringsearch for this concept when 'desmoid' can be Text Word searched directly.

REMEMBER: Use SS 1: FIBROMA
SS 2: (TW) DESMOID
SS 3: 1 AND 2

Not SS 1: FIBROMA
SS 2: TS :DESMOID:

Use the SHOW COST command in order to obtain an estimate of the charge for the search under the new algorithm. The SHOW COST display will also report the elapsed time, which can be used to compute the charge as if you were being charged using the hourly rates. After doing these computations for a few searches you will have a rough comparison of the effect of the new algorithm. Remember, the purpose of the algorithm is to distribute costs most equitably based on the work done.

*****

NLM ONLINE TRAINING PROGRAM

Patricia E. Clark, MEDLARS Management Section, NLM

The schedule of NLM Online Services Training Classes has been announced for 1984. This year NLM will provide training on both the Initial and Advanced levels in a number of decentralized sites. In particular, a serious effort has been made to decentralize the Initial training classes. To this end, twenty of the thirty scheduled Initial classes will be hosted 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. Presently, all of NLM's Initial classes are filled through the end of 1983 and a number of applicants have been placed on a waiting list for attending the classes in early 1984.

This year there will be ten offerings of the Advanced Online Services Training class. Five of these will be taught at NLM, two at UCLA, and one each in Chicago, Denver, and Dallas. We hope these will provide ample opportunity for searchers to learn about the specialized databases and searching capabilities of the MEDLARS system. No Abbreviated Advanced Classes will be taught during 1984 due to the availability of the full-length Advanced classes in several locations.

Both Initial and Advanced classes will include hands-on practice sessions. There are no charges for classes held at NLM or any offsite location.

As a review of NLM policies regarding training, please note the following:

1) Only organizations/individuals with a previously existing NLM access code or those who have applied for an access code are eligible to attend NLM training.

2) Only one person per institution or per access code will be admitted to a particular session.

3) All participants will have full status - no auditors will be permitted.

4) Priority for attending Initial classes will be given to persons applying for new codes or to primary searchers. Backup or secondary searchers will be enrolled as space permits.

5) Module I - (Monday-Wednesday) of the Initial class is a prerequisite for receiving an NLM access code as well as for attending Modules II or III of the Initial training class.

6) It is strongly recommended that searchers attend Module II (Chemical-Toxicological Searching) of the Initial training class if they have plans at some future date to attend an Advanced training class.

7) Attendees at all NLM classes are eligible to receive Medical Library Association (MLA) contact hours towards their recertification. The contact hours awarded are as follows:

Initial Training

Module I = 21 contact hours
Modules I and II = 28 contact hours
Modules I and III = 25 contact hours
Modules I, II, and II = 32 contact hours

Advanced Training = 35 contact hours

All applications for recertification should be sent to MLA and not to NLM.

As you will notice on the 1984 schedule of classes, the training staff for each class and location is specified. However, as before, all applications for training should be sent directly to the MEDLARS Management Section at NLM. An application form and 1984 schedule follow this article. If additional information or forms are needed, please call MMS.

*****

Date: _____

NLM ONLINE TRAINING APPLICATION

TRAINEE: _____ ( ) _____
Name/Title Telephone

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
_____ Replacement for Primary Searcher
_____ Backup/Secondary Searcher
_____ Other (Specify)
_____

2. Online Training Courses Attended (Include dates and sponsoring organizations):

a. _____

b. _____

c. _____

d. _____

3. Previous Experience with NLM Online Databases (Specify approximate connect hours used):

_____ MEDLINE
_____ TOXLINE
_____ Cancer Databases
_____ Others (Specify)

4. Experience with Other Online Systems (Specify approximate connect hours used):

_____ Bibliographic Retrieval Service (BRS)

_____ Systems Development Corporation (ORBIT)

_____ Dialog Retrieval Service

_____ Others (Specify)

++

(over)

TRAINING CLASS INFORMATION

1. Dates Requested:

	INITIAL	ADVANCED (3-6 mos.after Initial)
1st Choice		
2nd Choice		

2. INITIAL CLASS ONLY Modules to be Attended: (check all that apply)

a. Introduction to MEDLARS/MEDLINE
Days 1, 2, & 3 (Module I) (required) _____

b. Chemical/Toxicological Databases
Day 4 (Module II) (optional) _____

c. Cancer Databases
Day 5 (Module III) (optional) _____

SEE ATTACHED LETTER FOR ADDITIONAL INFORMATION CONCERNING THE COURSE CONTENT.

****
* Return form to: *
* MEDLARS Management Section *
* National Library of Medicine *
* 8600 Rockville Pike *
* Bethesda MD 20209 *
****

++

NLM USE ONLY

Training Class Assignment: _____
Date

INITIAL _____ _____Waived
Date

a. Intro to MEDLARS/MEDLINE _____
(Module I) Date

b. Chem/Tox Databases _____
(Module II) Date

c. Cancer Databases _____
(Module III) Date

ADVANCED _____
Date

Class Location: _____

cc: RML _____

NLM ONLINE SERVICES TRAINING
TENTATIVE
1984 SCHEDULE

MONTH	DATES	COURSE	LOCATION	STAFF
JANUARY	9-13	Initial	Honolulu, HI	RML7
	16-20	Initial	NLM	NLM
	30-Feb. 3	Advanced	NLM	NLM
FEBRUARY	6-10	Initial	Omaha, NE	RML4
	6-10	Initial	UCLA	RML7
	13-17	Initial	NLM	NLM
MARCH	12-16	Initial	Chicago, IL	RML4
	12-16	Advanced	UCLA	RML7
	19-23	Advanced	Chicago, IL	NLM
	26-30	Initial	NLM	NLM
APRIL	2-6	Advanced	NLM	NLM
	9-13	Initial	New Orleans, LA	RML4
	9-13	Initial	UCLA	RML7
	23-27	Initial	NLM	NLM
MAY	7-11	Initial	Birmingham, AL	NLM
	14-18	Initial	UCLA	RML7
	21-25	Initial	Denver, CO	RML4
JUNE	4-8	Advanced	Denver, CO	NLM
	4-8	Initial	Berkeley, CA	RML7
	11-15	Initial	NLM	NLM
	25-29	Initial	St. Louis, MO	RML4
JULY	9-13	Advanced	NLM	NLM
	23-27	Initial	NLM	NLM
	23-27	Initial	Omaha, NE	RML4
AUGUST	13-17	Initial	NLM	NLM
	20-24	Initial	UCLA	RML7
	20-24	Initial	Detroit, MI	RML4
	27-31	Initial	Hanover, NH	NLM
SEPTEMBER	10-14	Advanced	NLM	NLM
	10-14	Initial	Portland, OR	RML7
OCTOBER	15-19	Initial	NLM	NLM
	15-19	Initial	UCLA	RML7
	22-26	Initial	Dallas, TX	RML4
	29-Nov. 2	Advanced	Dallas, TX	NLM
NOVEMBER	5-9	Initial	NLM	NLM
	26-30	Initial	UCLA	RML7
	26-30	Advanced	NLM	NLM
DECEMBER	3-7	Initial	Omaha, NE	RML4
	3-7	Advanced	UCLA	RML7
	10-14	Initial	NLM	NLM

COMPREHENSIVE SEARCHING IN THE TOXLINE FILES

Carolyn G. McHale, Specialized Information Services, NLM

NLM is pleased to announce that the TOXBACK65 file became available online on September 6, 1983. Comprehensive toxicology searching sometimes requires literature review covering relatively long periods of time. This can now be done in TOXLINE for the period 1965 to present.

The advantages of online access to TOXBACK65 are four-fold:

1) PSTGs feedback indicates whether information is available and whether it is necessary to broaden or narrow the search strategy.

2) Review of the retrieved citations provides terminology to revise the search strategy.

3) Online retrieval of information provides searchers with immediate use of the results.

4) Search strategy employing the AND NOT logic can be performed and reviewed for inadvertent omissions of terminology.

The burden of responsibility for obtaining relevant retrieval in searching a free-text database is on the searcher. The terminology used in the search strategy must be developed by the searcher and refined after review of the citations. In a database like MEDLINE that utilizes a controlled vocabulary, the searcher can rely to a greater degree on the indexing for relative completeness. Even here, however, terminology does change throughout the years as reflected by the periodic upgrading of the MeSH vocabulary. TOXLINE does not have a controlled vocabulary, thus it is important to browse and NEIGHBOR in the file in order to refine search strategy. This is particularly true in the older literature where concepts and areas of emphasis may be quite different from what they are today. Thus, with the online availability of TOXBACK65 immediate retrieval, review and - if necessary - reformatting of the search strategy is possible.

Information on the toxicological effect of a chemical may be reported only once in the literature, perhaps in the article announcing the synthesis or first biological screening of the compound. Many times such a single report for even a widely used chemical appears in the earlier years. There is comprehensive chemical indexing throughout the three files which enables the user to retrieve a good deal of information. However, not all chemicals mentioned in the file are indexed with the Chemical Abstracts Service (CAS) Registry Number (RN). Thus, it is necessary to search also by chemical name(s) -- as found in CHEMLINE -- and other textwords appropriate to the backfiles.

In addition to NEIGHBORing in TOXBACK65, SAVESEARCHes can be executed. Search strategies developed either in TOXLINE or in TOXBACK74 can be executed, reviewed, and refined immediately, if necessary.

*****

"WHERE'S THAT ARTICLE?"

Larry Rizzo, Health Science Librarian
Kern Medical Center, Bakersfield, CA

When a library patron requests a computerized search of a subject but the bibliography does not include an article he expects to see listed, the patron may feel that the search is inadequate. In fact, a well-constructed and reasonably precise subject search may fail to retrieve a particular article for a variety of reasons.

It is reassuring to consider first some possibilities that are not under the searcher's control:

1. The requester's memory may be faulty; that is, the article your patron thinks he heard about may not exist or was written but never published.

2. The journal in which the article was published may be a journal that is not indexed for this database, or the journal may be selectively indexed.

3. The article may have been published before or after the years covered by the search or outside the years included in the database.

4. Citations for papers presented at conferences and symposia may not be routinely included in the file being searched.

5. There may be an error in the database.

In addition to the above reasons, it is possible that the searcher made an error such as one of these:

6. The search statements input to the computer may be incorrectly formulated, or may contain a logical error.

7. When searching a very large database, the searcher may have narrowed the search formulation to the point where useful citations were lost. By attempting to exclude a particular topic from the retrieval set, the searcher may unintentionally exclude some pertinent citations; for example, by including "...AND NOT ANIMAL," the search will exclude articles which are tagged with <u>both</u> HUMAN and ANIMAL.

8. If text words were included in the search strategy, the searcher may have failed to include a variant spelling of an important word, for example, HEMOGLOBIN/HAEMOGLOBIN.

9. An important text word may have been omitted, for instance one of the pertinent bili-, chol-, or hepato-words may have been left out of a search involving the liver.

10. A text word may have been misspelled, such as misspelling "pruritis" instead of "PRURITUS". When the database contains the misspelled word as well as the correctly spelled word, the searcher will not be alerted to the error by receiving no postings.

One of these reasons may explain why an expected article did not appear. This list may suggest ways to reformulate the search and retrieve the elusive citation.

*****

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - AUGUST 1983
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. 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.

IM ACTA BELGICA. MEDICA PHYSICA
6N1,1983--
ACTA MEDICA BELGICA
CONTINUES: JOURNAL BELGE DE MEDECINE PHYSIQUE ET DE REHABILITATION.
BRUXELLES BELGIUM
ACTA MEDICA BELGICA, RUE DES CHAMPS-ELYSEES 43, B-1050 BRUXELLES, BELGIUM.
W1 AC494
A04276000

ACTA CRYSTALLOGRAPHICA. SECTION B, STRUCTURAL SCIENCE
39PT1, FEB 1983--
MUNKSGAARD
CONTINUES: ACTA CRYSTALLOGRAPHICA, SECTION B: STRUCTURAL CRYSTALLOGRAPHY AND CRYSTAL CHEMISTRY.
COPENHAGEN DENMARK
MUNKSGAARD, 35 NORRE SOGADE, COPENHAGEN, DENMARK
IN PROCESS
A05116000

ADVANCES IN AUDIOLOGY
1,1983--
KARGER
BASEL SWITZERLAND
ON ORDER
A13100000
$54.00

ADVANCES IN DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS
3,1982--
JAI PRESS
CONTINUES: ADVANCES IN BEHAVIORAL PEDIATRICS.
GREENWICH CT UNITED STATES
IN PROCESS
A13734000

IM ALABAMA MEDICINE
53N1,JULY 1983--
MEDICAL ASSOCIATION OF THE STATE OF ALABAMA
CONTINUES: JOURNAL OF THE MEDICAL ASSOCIATION OF THE STATE OF ALABAMA.
MONTGOMERY AL UNITED STATES
MEDICAL ASSOCIATION OF THE STATE OF ALABAMA,BOX 1900-C,MONTGOMERY AL 36197
IN PROCESS
A19915000
$30.00

ANTIMICROBIAL CHEMOTHERAPY SERIES
3,1982--
RESEARCH STUDIES PRESS
CONTINUES: ANTIMICROBIAL CHEMOTHERAPY RESEARCH STUDIES SERIES.
CHICHESTER SUSSEX ENGLAND
RESEARCH STUDIES PRESS, DIVISION OF JOHN WILEY AND SONS LTD., CHICHESTER SUSSEX ENGLAND
IN PROCESS
A55855000

IM ARCHIVES OF OTO-RHINO-LARYNGOLOGY. SUPPLEMENT
1,1983--
SPRINGER VERLAG
BERLIN GERMANY, WEST
IN PROCESS
A61815020

BIOSCIENCE RESEARCH REPORTS. RESEARCH NOTES IN ANIMAL BEHAVIOR
1,1982--
PITMAN ADVANCED PUBLISHING PROGRAM
BOSTON UNITED STATES
PITMAN PUBLISHING INC., 1020 PLAIN STREET, MARSHFIELD MA 02050
IN PROCESS
B19635000

BRITISH JOURNAL OF ACCIDENT AND EMERGENCY MEDICINE
1N1,1983--
MMI MEDICAL MARKET INFORMATION
HERTFORDSHIRE ENGLAND
MMI MEDICAL MARKET INFORMATION, 25A HOCKERILL STREET, BISHOPS STRATFORD, HERTFORDSHIRE CM23-2DH, ENGLAND
ON ORDER
B34270000

MEDIZIN IN RECHT UND ETHIK
12,1983--
FERDINAND ENKE VERLAG
CONTINUES: MEDIZIN UND RECHT.
STUTTGART GERMANY, WEST
FERDINAND ENKE VERLAG, P.O. BOX 1304, 7000 STUTTGART 1, GERMANY
IN PROCESS
M25085000

IM POLSKI PRZEGLAD RADIOLOGII
47,1983--
PANSTWOWY ZAKLAD WYDAWNICTW
CONTINUES: POLSKI PRZEGLAD RADIOLOGII I MEDYCYNY NUKLEARNEJ.
WARSZAWA POLAND
IN PROCESS
P18352000

TRANSACTIONS OF THE AMERICAN GYNECOLOGICAL AND OBSTETRICAL SOCIETY
1,1982--
C.V. MOSBY
CONTINUES: TRANSACTIONS OF THE AMERICAN GYNECOLOGICAL SOCIETY, AMERICAN ASSOCIATION OF OBSTETRICIANS AND GYNECOLOGISTS.
ST. LOUIS UNITED STATES
CV MOSBY COMPANY, POST OFFICE BOX 437, LINN MO 65051
IN PROCESS
T15310000

VASCULAR MEDICINE
1N1,JAN/MAR 1983--
WESTMINSTER PUBLICATIONS
GREAT NECK NY UNITED STATES
WESTMINISTER PUBLICATIONS, 320 NORTHERN BLVD., GREAT NECK NY 11021
IN PROCESS
V00830000

ISSN 0146-3055
OCTOBER 1983
NO. 174

THE NLM TECHNICAL BULLETIN

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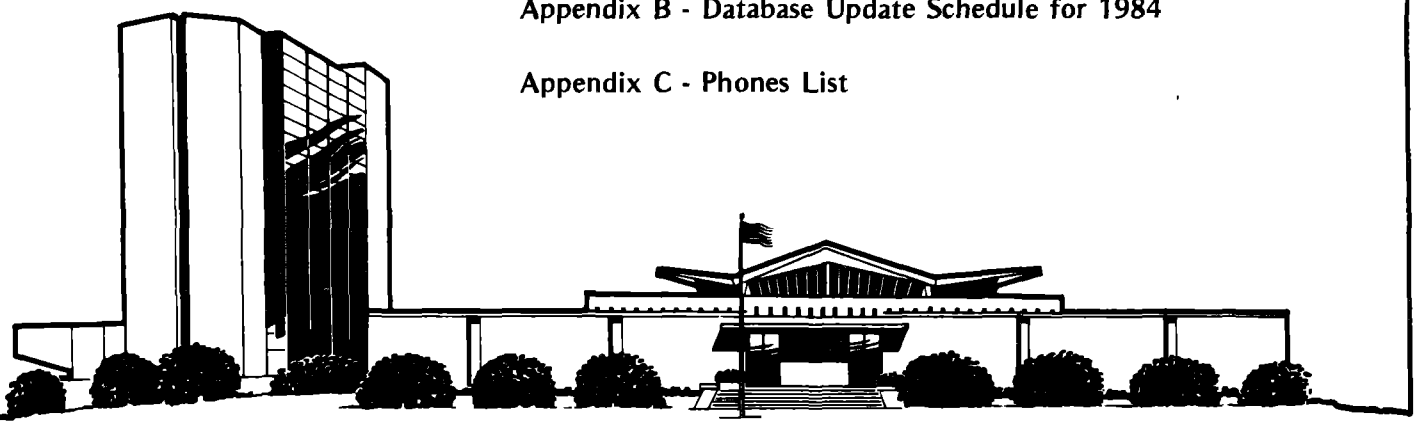
13 Errata and Additions to 1984 Annotated Alphabetic MeSH and MeSH Tree Structures

15 Changes to the MeSH Tree Annotations for 1984

Appendix A - Available Pre-explosions, 1984

Appendix B - Database Update Schedule for 1984

Appendix C - Phones List



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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • National Institutes of Health
National Library of Medicine

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	11,991	THROUGH 1983	27 OCT 83	
BIOETHICS	15,152	JAN 73-MAR 83	24 OCT 83	8310(EM)
CANCERLIT	376,724	JAN 63-OCT 83	03 OCT 83	8310 EM)
CANCERPROJ	21,117	1978-1981	12 NOV 81	8110(EM)
CATLINE	508,675	THROUGH 1983	27 OCT 83	
CHEMLINE	577,894		12 SEP 83	8309(EM)
CLINPROT	4,039		24 OCT 83	8310(EM)
DIRLINE	13,056		01 AUG 83	
EXPRESS	7,597	MAY 83-OCT 83	03 OCT 83	8310(EM)
HEALTH	257,433	JAN 75-NOV 83	10 OCT 83	8311(EM)
HISTLINE	56,052		12 SEP 83	8307(EM)
MEDLINE	924,828	JAN 80-NOV 83	03 OCT 83	8311(EM)
MED77	775,305	JAN 77-DEC 79	19 SEP 83	
MED75	642,781	JAN 75-DEC 76	10 OCT 83	
MED71	884,025	JAN 71-DEC 74	29 AUG 83	
MED66	954,760	JAN 66-DEC 70	29 AUG 83	
MESH VOC	48,306	1983	24 OCT 83	
NAME AUTH	150,010		17 OCT 83	
PDQ	946		26 SEP 83	8309(EM)
PDQ/DIRECTORY	9,614	OCT 83	24 OCT 83	8310(EM)
POPLINE	114,241	1970-OCT 83	10 OCT 83	8310(EM)
RTECS	63,183	THROUGH JUL 83	26 SEP 83	
SDILINE	25,071	NOV 83	03 OCT 83	
SERLINE	41,732	1983	28 SEP 83	
TDB	4,059		24 AUG 83	
TOXLINE	637,536		26 SEP 83	8309(EM)
CBAC	322,909	1979-VOL 99(2-5)		
TOXBIB	113,386	1979-OCT 83		
IPA (ASHP)	25,202	1979-VOL 20(15,16)		
HEEP	50,598	1979-VOL 12(10)		
PESTAB	8,209	1979-VOL 14(DEC 81)		
EMIC	40,995	1950-SEP 83		
ETIC	29,495	1950-SEP 83		
RPROJ	28,306	1979-FEB 82		
TD3	17,556	GRA & I 82(25)-83(16,17)		
TOXBACK74	474,653		19 APR 82	
CBAC	265,253	1974-1978		
TOXBIB	103,386	1974-1978		
IPA (ASHP)	30,606	1974-1978		
HEEP	61,871	1974-1978		
PESTAB	13,537	1974-1978		
TOXBACK65	387,377		19 APR 82	
CBAC	196,015	1965-1973		
TOXBIB	112,170	1968-1973		
IPA	21,973	1969-1973		
HEEP	29,662	1970-1973		
HAPAB/PESTAB	12,966	1968-1973		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1973		

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Assistant Editor: Rose Marie Woodsmall
Technical Notes Editor: Patricia E. Healy
Production Assistant: Mildred D. Mader
301/496-6193

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

TECHNICAL NOTES

Whenever applicable, the headings of each Technical Note include 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.

VETERANS DAY HOLIDAY SCHEDULE - The NLM computer will be up on Friday, November 11, 1983, the day of the Federal Government observance of Veterans Day. Non-prime rates will be in effect all day. The MEDLARS Management Service Desk will not be staffed.

NEW PRICING ALGORITHM IN EFFECT - The new pricing algorithm for domestic users went into effect on October 3, 1983. For information on the algorithm, please see the articles on pages 8 and 9 of this issue, as well as the July, August, and September 1983 issues of the Bulletin. Information on the algorithm may also be obtained online by inputting after any user cue: EXPLAIN CHARGES or EXPLAIN PRICES or EXPLAIN COST.

The price increases for domestic users of RTECS and TDB announced in June also went into effect October 3.

SHOW COST AND FREE ONLINE TIME - Users should be aware that charges for those databases that have free online time are computed for the SHOW COST and SHOW COST TOTAL displays. (Currently four databases have free online time: PDQ, PDQ/DIRECTORY, EXPRESS, and DIRLINE.) However, these charges will not appear on the monthly invoice. The online charges for use of these databases shown in a SHOW COST display should be subtracted from the total cost when determining the cost of a search session or monthly searching costs. OFFPRINTS for these databases continue to be charged at $.18 per page; OFFSEARCHes are $1.00 per OFFSEARCH per file.

SHOW COST AND CHARGES EXPLAINS - The online EXPLAINs for the SHOW COST command and for charges have been revised to reflect information on the new pricing algorithm, which went into effect October 3, 1983. To view these EXPLAINs online, input after any user cue:

1. EXPLAIN SHOW COST

2. EXPLAIN CHARGES or EXPLAIN PRICES or EXPLAIN COST

TOXLINE/ TOXBACKS EXPLAIN - Effective October 3, 1983 the alias T74 (for TOXBACK74) and T65 (for TOXBACK65) may be used with the EXPLAIN command to obtain the online EXPLAIN for the TOXLINE/ TOXBACK74/TOXBACK65 files (e.g., EXPLAIN T74 or EXPLAIN T65).

YEAR-END PROCESSING - The 1984 MEDLINE and HEALTH files will be available online with January 1984 data on Monday, December 12, 1983. At that time, all searches using MeSH headings must conform to the Medical Subject Headings, 1984. Changes to the MeSH vocabulary for 1984 are reflected in the various lists contained in the preface of the Medical Subject Headings - Annotated Alphabetic List, 1984. This publication has been available from the National Technical Information Service since the beginning of September; order information was given in the August 1983 Technical Bulletin and in the online NEWS.

When using these lists please note that:

1) the three 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 1983 MeSH. They do not include new forms of existing headings; new forms of existing headings 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. 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 classified 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 restricted within Categories A and B to use only with those MeSH headings in Subcategories A1-A10, A13-A16, B1-B2, and B5-B6. Additionally, since 1975, some subheadings have been permitted or restricted from use with entire categories of MeSH headings.

4) the list of tree number changes is included as part of the Tree Structures publication. Although it is recommended that the main 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

YEAR-END PROCESSING (continued)

using the desired tree number. This list may be used to validate tree numbers used in previous searches, especially stored or saved searches.

5) the Pre-explosion list is incomplete. Please see the Technical Note in this issue titled, "Available Pre-explosions." Appendix A to this Bulletin contains the complete list of Pre-explosions.

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 1984 vocabulary changes must be deleted and restored by December 9, 1983. (The January SDILINE and HEALTH SDIs will be processed beginning on or about December 12, 1983.) To facilitate review of stored searches, searchers will be able to execute their STORESEARCHes online between November 21, 1983 and December 9, 1983; the December 1983 SDILINE will contain 1984 MeSH terms at 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 1984 vocabulary terms during this time period.

In summary, the 1983 year-end processing schedule is as follows:

November 7, 1983	-	December 1983 MEDLINE/SDILINE available online.
November 21, 1983 (through December 9, 1983)	-	December 1983 SDILINE with 1984 terms available online with STORESEARCHes executable online.
December 10, 1983 (Saturday)	-	The computer will be unavailable for searching so that the 1984 MEDLINE/HEALTH databases and MEDLINE backfiles may be installed.
December 12, 1983	-	1984 MEDLINE/SDILINE/HEALTH databases available with January 1984 data.
December 12, 1983	-	HEALTH and SDILINE Automatic SDIs processed against January 1984 data on or about this date.

1984 MESH VOCABULARY AND THE DATABASES - Only the MEDLINE, SDILINE, and HEALTH files will be available on December 12, 1983 with 1984 MeSH terms. Other files using MeSH vocabulary (i.e., CANCERLIT, EXPRESS, CATLINE, and AVLINE) will be maintained for 1984 vocabulary at later dates. Please watch future issues of the Bulletin and the online NEWS for announcements. Searches stored for the Automatic SDI program for CATLINE/AVLINE/CANCERLIT should not be revised for 1984 vocabulary at this time.

MEDLINE AND BACKFILES 1984 - Effective December 12, 1983, a new MEDLINE backfile will be added to MEDLARS called MED80. This file will contain primarily citations with either 1980 or 1981 as the year of publication. The MEDLINE backfiles for 1984 and their aliases are:

MED80	M80	BACK80	B80
MED77	M77	BACK77	B77
MED75	M75	BACK75	B75
MED71	M71	BACK71	B71
MED66	M66	BACK66	B66

Also, as of this date, MEDLINE will contain primarily citations with the year of publication of 1982 to the present.

HOLIDAY SCHEDULE 1984

HOLIDAY	DATE	SYSTEM STATUS
Christmas Eve (1983)	Sat, Dec 24	DOWN
Christmas (Observed, 1983)	Mon, Dec 26	DOWN
New Year's Eve (1983)	Sat, Dec 31	DOWN
New Year's Day (Observed)	Mon, Jan 2	DOWN
G. Washington's B'day (Observed)	Mon, Feb 20	UP*
G. Washington's B'day	Wed, Feb 22	UP
Memorial Day (Observed)	Mon, May 28	DOWN
Memorial Day	Wed, May 30	UP
Independence Day	Wed, Jul 4	DOWN
Labor Day	Mon, Sep 3	DOWN
Columbus Day (Observed)	Mon, Oct 8	UP*
Columbus Day	Fri, Oct 12	UP
Veterans Day (Observed)	Mon, Nov 12	UP*
Thanksgiving Day	Thu, Nov 22	DOWN
Christmas	Tue, Dec 25	DOWN

*Non-prime rates will be in effect all day.

AUTHORS LIMITED IN MEDLINE (Manual 7.3.4) - Beginning with the January 1984 update to MEDLINE (available December 12, 1983) a maximum of ten authors will be entered into MEDLINE for any given citation. Although some articles may be "authored" by more than ten writers, the citation will contain the names of only the first ten, followed by 'et al' to indicate that there are additional authors.

ABSTRACTS TRUNCATED IN MEDLINE (Manual 7.3.2) - The current policy for inclusion of abstracts in MEDLINE stipulates that only author-generated abstracts of 250 words or fewer in length will be included in the database; abstracts of more than 250 words generally have been excluded from MEDLINE. This limit could be expanded, however, to 400 words for those author abstracts from either journal articles 10 pages or more in length or from articles in the core journals identified by the National Cancer Institute for inclusion in the CANCEREXPRESS database.

ABSTRACTS TRUNCATED IN MEDLINE (Manual 7.3.2) (continued) - Beginning with the January 1984 update to the database (available December 12, 1983), this policy will be changed. Author abstracts exceeding the 250- or the 400-word limit will be included in MEDLINE in truncated form. They will be truncated at the end of the sentence closest to the 250- or 400-word limit. Abstracts truncated at 250 words will have the message, "ABSTRACT TRUNCATED AT 250 WORDS," appearing in parentheses at the end of the abstract; abstracts truncated at 400 words will have the message, "ABSTRACT TRUNCATED AT 400 WORDS," appearing in parentheses at the end of the abstract.

This change in policy concerning the inclusion of abstracts in MEDLINE will potentially increase the coverage of abstracts in MEDLINE from the current average of 47% to approximately 65% of the total citations in the database.

NOTE: This policy also affects abstracts on citations that originated in the MEDLINE database, but have been introduced by NLM into the CANCEREXPRESS, CANCERLIT, HEALTH, and TOXLINE databases.

AVAILABLE PRE-EXPLOSIONS - Appendix A is a list of AVAILABLE PRE-EXPLOSIONS. Although the list of Pre-explosions is included on pages LXXXV-LXXXVI of the Medical Subject Headings - Annotated Alphabetic List, 1984, searchers should be aware that:

1) the Pre-explosions added to the system in 1983 were erroneously excluded from this list;

2) the Pre-explosions added in 1984 are included on this list although the introduction to the list indicates that they are not;

3) the 1984 Pre-explosion listed as 'PSYCHOLOGIC PROCESSES AND PRINCIPLES' is in error and should be changed to 'PSYCHOLOGIC PROCESSES PRINCIPLES';

4) in the 1984 MeSH, Pre-explosions are indicated next to the heading within the MeSH by a black dot (●). However, the dot was inadvertently omitted before those headings that were pre-exploded for the first time in 1983; searchers are advised to add the black dot to these headings in MeSH.

The attached list contains all the available Pre-explosions with those added in 1983 and 1984 indicated by a date to the left of the Pre-explosion name so they can be easily identified. The list is printed on one side so it can be removed from the Bulletin and posted near the searcher's terminal.

DATABASE UPDATE SCHEDULE 1984 - Appendix B is the DATABASE UPDATE SCHEDULE FOR 1984. 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 Bulletin and posted near the searcher's terminal.

PHONES LIST - A new version of the list of available telephone numbers used to access the NLM computer is enclosed as Appendix C. Please read the introductory material for an explanation of the changes to this list.

*****

RATES FOR NEW MEDLARS PRICING ALGORITHM FOR ONLINE SERVICES

Lois Ann Colaianni, Acting Associate Director, Library Operations
David L. Kenton, Staff Assistant, Office of Computer & Communications Systems

The new pricing algorithm*, which became effective October 3, 1983, is based on three primary components: connect charges, work performed by the NLM computer, and characters created for transmission to the user's terminal. An article on page 9 of this issue explains the format of the new statement of account. Listed below are the pricing components of the new charging algorithm for NLM online services for domestic users. As discussed in previous Bulletin articles, the algorithm was introduced to charge users more equitably without increasing revenues. Therefore, an hour of average use on MEDLINE should continue to cost approximately $22 during prime time and $15 during non-prime time.

NLM MEDLARS 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
MEDLINE & BACKFILES	$ 4.50	$ 7.25	.01	.01	.01	.06	.12	.08	.12
TOXLINE & BACKFILES	30.87*	33.62*	.01	.06*	.01	.06	.12	.08	.12
CHEMLINE	34.50*	37.25*	.01	.07*	.01	.06	.12	.08	.12
RTECS	39.00	42.75	.01	.01	.01	.06	.12	.08	.12
TDB	56.50	60.25	.01	.01	.01	.06	.12	.08	.12
ALL OTHER	4.50	7.25	.01	.01	.01	.06	.12	.08	.12
MEDLEARN	15.00	22.00	--	--	--	--	--	--	--

*INCLUDES ROYALTY CHARGES OF $26.37 PER CONNECT CHARGE AND $0.05 PER CITATION FOR TOXLINE AND ITS BACKFILES AND $30.00 PER CONNECT CHARGE AND $0.06 PER CITATION FOR CHEMLINE.

THIS PRICING ALGORITHM IS FOR DOMESTIC BILLED USERS ONLY. THE $15.00 PER MONTH MINIMUM BILLING PER CODE REMAINS IN EFFECT. EDUCATIONAL USAGE WILL CONTINUE TO BE CHARGED AT NON-PRIME RATES ONLY.

*Please see articles in the July, August, and September issues of this publication for both descriptive and searching information concerning the new pricing algorithm.

Listed below are the charges for offline processing as well as the monthly minimum. These rates have not been changed except for the increases to TDB and RTECS effective October 3, 1983.

NLM MEDLARS OFFLINE PROCESSING RATES

PAGES	
MEDLINE AND OTHER DATABASES	$0.18
TOXLINE AND ITS BACKFILES	$0.41 (includes $0.23 royalty charge)
CHEMLINE	$0.41 (includes $0.23 royalty charge)
TDB	$0.60
RTECS	$0.41
OFFSEARCHES	
ALL DATABASES	$1.00 PER SEARCH PER FILE
AUTOMATIC SDI SEARCHES	
SDILINE/HEALTH/CATLINE/AVLINE/POPLINE	$1.00 PER SEARCH
TOXLINE	$2.00 PER SEARCH (includes $1.00 royalty charge)

It is possible that there may be adjustments in these rates in the future. Watch for articles in the NLM Technical Bulletin concerning any changes and for further information concerning the new pricing algorithm. Please call the MEDLARS Management Service Desk at 301/496-6193 if you wish to discuss the pricing algorithm or if you have questions.

*****

HOW TO READ YOUR NEW MONTHLY STATEMENT OF ACCOUNT FOR MEDLARS SERVICES

Carolyn B. Tilley, Head, MEDLARS Management Section, NLM

This article is intended to assist domestic users in understanding the new format of the NTIS monthly invoice or statement of account. Invoices or statements of account (for those with deposit accounts with NTIS) issued before the new pricing algorithm was activated in October included detail sheets that contained quantities and amounts for prime and non-prime connect hours for those databases accessed, as well as pages, offsearches, and Automatic SDI searches executed. The new detail sheets will continue to contain the same information, but in more detail. Please share a copy of this article and discuss the new detail sheets with your accounting personnel before the October invoice arrives.

SUMMARY PAGE

Opening your bill, you will notice a summary page listing the total charges for NLM MEDLARS services. A sample summary page for a user who receives a monthly bill, as opposed to having a deposit account, is shown below. No changes have been made to the summary page.

FORM NTIS 116

U.S. DEPARTMENT OF COMMERCE
National Technical Information Service
5285 Port Royal Road
Springfield, Virginia 22161

XYZ01-01
ACCOUNTING DEPARTMENT
GOOD TREATMENT HOSPITAL
ANYTOWN, ST 20014

INVOICE

DATE NOVEMBER 15, 1983

AMOUNT DUE $71.78

CUSTOMER PURCHASE ORDER NO	PAGE	NTIS STATEMENT NUMBER
	1	3319XYZ011

PLEASE DETACH AND RETURN TOP PORTION OF STATEMENT WITH PAYMENT

DOCUMENT NUMBER/SERVICE	DATE SHIPPED	QUANTITY	AMOUNT	REMARKS
N O V E M B E R I N V O I C E				
NLM CHARGES FOR THE MONTH OF OCTOBER			$71.78	
S T A T E M E N T O F A C C O U N T				
PREVIOUS BALANCE			$ 0.00	
TOTAL AMOUNT DUE			$71.78	

FOR INFORMATION ON YOUR NLM MEDLINE/TOXLINE CHARGES, CALL THE NATIONAL LIBRARY OF MEDICINE - (AC 301) 496-6193
FOR INFORMATION ON YOUR PAYMENTS, CALL THE NATIONAL TECHNICAL INFORMATION SERVICE, NLM CLERK (AC 703) 487-4770
ANY PAYMENTS RECEIVED AFTER THE 30TH OF THE MONTH WILL BE SHOWN ON YOUR NEXT MONTH'S INVOICE.

PURCHASE ORDER NUMBER	NTIS STATEMENT NUMBER
	3319YZ011

RETAIN THIS PORTION FOR YOUR RECORD.

U S DEPARTMENT OF COMMERCE NATIONAL TECHNICAL INFORMATION SERVICE

If you have a deposit account, an indication is made on the summary page that it is "not an invoice." Further, a statement is made that "NLM charges have been posted against your NTIS deposit account" along with your deposit account number. In addition, if there is a purchase order on file with NTIS, that number is included on the summary sheet.

DETAIL PAGES

After the summary, there are pages that list quantities, rates, and charges for only those databases accessed during the billing month. There will now be nine categories of online information shown in addition to the standard three categories of "offline" information. Information for two databases will fit on each sheet; subtotals by database have been added. Shown below is a sample page for two databases. The figures are for illustrative purposes only.

FORM NTIS 116

U.S. DEPARTMENT OF COMMERCE
National Technical Information Service
5285 Port Royal Road
Springfield, Virginia 22161

XYZ01

DATE NOVEMBER 1983

AMOUNT DUE

CUSTOMER PURCHASE ORDER NO	PAGE	NTIS STATEMENT NUMBER
	4	3319XYZ01

PLEASE DETACH AND RETURN TOP PORTION OF STATEMENT WITH PAYMENT

DOCUMENT NUMBER/SERVICE QUANTITY	DATE SHIPPED RATE	QUANTITY	AMOUNT	REMARKS
				MEDLINE
				ONLINE CHARGES
0.25	$7.50		$1.88	PRIME HOURS
685	$.12/100		.82	PRIME WORK UNITS
14,155	$.12/1K		1.70	PRIME CHARACTERS
.50	$4.25		2.13	NON-PRIME HOURS
1,482	$.06/100		.89	NON-PRIME WORK UNITS
27,483	$.08/1K		2.20	NON-PRIME CHARACTERS
40	$.01		.40	SEARCH STATEMENTS
145	$.01		1.45	CITATIONS
106	$.01		1.06	INTERACTIONS
				OFFLINE CHARGES
3	$.18		.54	PAGES
1	$1.00		1.00	OFFSEARCHES
-	$1.00		-	SDI'S
-	-		$14.07	SUBTOTAL - MEDLINE
				BACK77
				ONLINE CHARGES
0.17	$7.50		$1.28	PRIME HOURS
541	$.12/100		.65	PRIME WORK UNITS
10,066	$.12/1K		1.21	PRIME CHARACTERS
0.25	$4.25		1.06	NON-PRIME HOURS
847	$.06/100		.51	NON-PRIME WORK UNITS
14,591	$.08/1K		1.17	NON-PRIME CHARACTERS
28	$.01		.28	SEARCH STATEMENTS
89	$.01		.89	CITATIONS
71	$.01		.71	INTERACTIONS
				OFFLINE CHARGES
2	$.18		.36	PAGES
1	$1.00		1.00	OFFSEARCHES
-	$1.00		-	SDI'S
			$9.12	SUBTOTAL - BACK77

PURCHASE ORDER NUMBER	NTIS STATEMENT NUMBER	RETAIN THIS PORTION FOR YOUR RECORD

U S DEPARTMENT OF COMMERCE NATIONAL TECHNICAL INFORMATION SERVICE

Sometimes, especially with SDILINE, Automatic SDI searches for two different update months will be processed in the same calendar month and will be included.

TOTAL PAGE

After the summary and the detail pages, there is a page that shows the total quantities and amounts by the nine online categories of the new algorithm as well as the standard "offline" information. Rates are not included on this total sheet as some of the NLM databases are priced differently or include royalties.

FORM NTIS 116

U.S. DEPARTMENT OF COMMERCE
National Technical Information Service
5285 Port Royal Road
Springfield, Virginia 22161

XYZ01

DATE NOVEMBER 1983

AMOUNT DUE

CUSTOMER PURCHASE ORDER NO	PAGE	NTIS STATEMENT NUMBER
	6	3319XYZ01

PLEASE DETACH AND RETURN TOP PORTION OF STATEMENT WITH PAYMENT

DOCUMENT NUMBER/SERVICE / QUANTITY	DATE SHIPPED / RATE	QUANTITY	AMOUNT	REMARKS
				TOTALS
				ONLINE CHARGES
1.75			$13.13	PRIME HOURS
4,795			5.75	PRIME WORK UNITS
89,090			10.69	PRIME CHARACTERS
1.00			4.25	NON-PRIME HOURS
3,523			2.11	NON-PRIME WORK UNITS
55,361			4.98	NON-PRIME CHARACTERS
78			.78	SEARCH STATEMENTS
306			3.06	CITATIONS
273			2.73	INTERACTIONS
				OFFLINE CHARGES
35			6.30	PAGES
15			15.00	OFFSEARCHES
3			3.00	SDI'S
			$71.78	GRAND TOTAL

PURCHASE ORDER NUMBER	NTIS STATEMENT NUMBER

RETAIN THIS PORTION FOR YOUR RECORD

U S DEPARTMENT OF COMMERCE NATIONAL TECHNICAL INFORMATION SERVICE

IMPORTANT POINTS

* The summary page is unchanged.

* The detail pages now have information for the nine categories of the new pricing algorithm. Information for two databases will fit on each sheet. Information is presented only for those databases accessed in the billing month. Subtotals by database have been added.

* The total sheet will not include rates because various databases are priced differently or include royalties.

* The monthly minimum of $15.00 per ID code is unchanged.

* Please call the MEDLARS Management Service Desk at 301/496-6193 if you wish to discuss the format of the statements of account or have any questions.

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ERRATA AND ADDITIONS TO 1984 ANNOTATED ALPHABETIC MESH AND MESH TREE STRUCTURES

Robin R. Chivers, M.B., B.S., MeSH Section, NLM

PRE-EXPLOSIONS

Annotated Alphabetic MeSH p. LXXXV, LXXXVI

Change Fifty-three to Fifty-nine

Delete sentence starting "In the event that"

In the sentence starting "The pre-explosions may be used ...," replace "full MeSH heading" with "MeSH heading in the forms listed below"

Change tree number for ENZYMES to D8.586

Change PSYCHOLOGIC PROCESSES AND PRINCIPLES
to PSYCHOLOGIC PROCESSES PRINCIPLES

Add black dots in alphabetic list to the six 1983 pre-explosions

Tree Structures

Add black dots in trees to the six 1983 pre-explosions

p. 220 Remove black dot from D8

p. 222 Add black dot to D8.586

ANNOTATED ALPHABETIC MESH

p. XXII Change N-FORMYL-METHIONYL-LEUCYL-PHENYLAL
to N-FORMYL-METHIONYL-LEUCYL-PHENYLALANINE

p. XXXVI Change NUCLEOSIDE DIPHOSPHATE SUGARS
to GUANOSINE DIPHOSPHATE SUGARS

p. LX Add /toxicity to D25-26 qualifiers

p. LXIX Add new form subheading for catalogers:
examination questions - slides
Under topical headings, used loosely for material presented as questions and answers as well as those specifically designated "examination questions," issued in slide format; Radiography - examination questions - slides; Anatomy - examination questions - slides

p. LXXVI Add Barbados to geographic subheadings for catalogers

p. 199 Under DIABETES MELLITUS, INSULIN-DEPENDENT,
Add ,NON-INSULIN-DEPENDENT to DIABETES MELLITUS in annotation

p. 287 Change N-FORMYL-METHIONYL-LEUCYL-PHENYLAL
to N-FORMYL-METHIONYL-LEUCYL-PHENYLALANINE

p. 379 Under INSULIN,
Add S to SYSTEM in annotation

p. 407 Under LECTINS,
Add "; TN 244: indexing instructions" at end of annotation

p. II Change ALZHEIMMER'S to ALZHEIMER'S

p. V Under F FACTOR,
Change G5.255.500.300 to G5.225.500.300

Under HEART SEPTAL DEFECTS, VENTRICULAR,
Change C16.280.400.560.540 to C14.280.400.560.540

p. 249 Change N-FORMYL-METHIONYL-LEUCYL-PHE
to N-FORMYL-METHIONYL-LEUCYL-PHENYLALANINE

p. 251 Change N-FORMYL-METHIONYL-LEUCYL-PHENYL
to N-FORMYL-METHIONYL-LEUCYL-PHENYLALANINE

p. 302 Change N-FORMYL-METHIONYL-LEUCYL-PHENY
to N-FORMYL-METHIONYL-LEUCYL-PHENYLALANINE

p. 302 Change N-FORMYL-METHIONYL-LEUCYL-PHENYL
to N-FORMYL-METHIONYL-LEUCYL-PHENYLALANINE

*****

CHANGES TO THE MESH TREE ANNOTATIONS FOR 1984

Thelma Charen, Index Section, NLM

MeSH Tree Annotations is a companion tool to Medical Subject Headings, Annotated Alphabetic List (familiarly called the "Annotated MeSH"). As such, the Tree Annotations serves a twofold purpose: first, to give a general statement on the approach an indexer or searcher should pursue for a given tree; and second, to provide information on special features within each tree.

A 1984 edition of MeSH Tree Annotations will NOT be issued. Therefore, the following changes are provided for those who own the 1983 edition of this tool. The 1983 edition is still available for purchase through:

National Technical Information Service (NTIS)
5285 Port Royal Road
Springfield, VA 22161
Order No. PB82-208653; Price $13.00

Those of you making the changes may wish to make a photocopy from this Technical Bulletin from which to "cut-and-paste." The changed sections have been sized to fit into the proper positions.

Page 19, B3 - Bacteria

2. Avoid BACTERIA; BACTERIA, AEROBIC; BACTERIA, ANAEROBIC; GRAM-NEGATIVE BACTERIA and GRAM-POSITIVE BACTERIA as too general; prefer specifics.

Page 21, B5 - Lower Plants

7. In fungus biochemistry, RNA, FUNGAL; DNA, FUNGAL; FUNGAL PROTEINS are common coordinates with B5 terms. In genetics GENES, FUNGAL (G5) is available.

Page 26, C4 - Neoplasms

10. NEOPLASMS, EXPERIMENTAL is for general articles on experimental cancer where the histological type or organ site is irrelevant. It is then usually IM. See 4 above.

Page 38, C14 - Cardiovascular Diseases

In item 10, add the word "also" so that the sentence reads, "Congenital cardiovascular defects are also in C16: HEART DEFECTS, CONGENITAL."

Page 64, B12 - Proteins, etc.

In item 10, change "Table 224-1" to TECHNICAL NOTES 227 and 228."
Delete item 12.

Page 77, D24 - Immunologic Factors

11. See TECHNICAL NOTE 230 for the indexing of BLOOD GROUPS.

Page 82, E3 - Anesthetic Procedures

5. HYPOTHERMIA, INDUCED is achieved through physical (cold) or chemical (drugs) means.

Page 98, G4 - Biologic Phenomena

8. For BLOOD GROUPS, see TECHNICAL NOTE 230.

Page 114, K - The Humanities

6. Do not confuse MEDICINE, HINDU with medicine in India; the latter could also be MEDICINE, ORIENTAL, TRADITIONAL + INDIA or MEDICINE + INDIA.

7. Do not confuse MEDICINE, CHINESE, TRADITIONAL with medicine in China (= MEDICINE + CHINA). See TECHNICAL NOTE 125.

Page 119, N3 - Health Care

In item 7, substitute this as the second column:

NIOSH
NCHCT
NCHS
NIH

*****

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - SEPTEMBER 1983
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. 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.

IM ACTA MORPHOLOGICA HUNGARICA
31,1983--
AKADEMIAI KIADO
SPINE TITLE: ACTA MORPHOLOGICA. ISSUED BY THE HUNGARIAN ACADEMY OF SCIENCES.
CONTINUES: ACTA MORPHOLOGICA ACADEMIAE SCIENTIARUM HUNGARICAE.
BUDAPEST HUNGARY
W1 AC8643
A07096000

IM ACTA PHYSIOLOGICA HUNGARICA
61N1-2,1983--
AKADEMIAI KIADO
CONTINUES: ACTA PHYSIOLOGICA ACADEMIAE SCIENTIARUM HUNGARICAE
BUDAPEST HUNGARY
W1 AC9226
A08390000

ASIAN PACIFIC JOURNAL OF ALLERGY AND IMMUNOLOGY
1N1,JUN 1983--
BANGKOK MEDICAL PUBLISHERS
LAUNCHED BY THE ALLERGY AND IMMUNOLOGY SOCIETY OF THAILAND.
BANGKOK THAILAND
BANGKOK MEDICAL PUBLISHERS,SUKHUMVIT ROAD,BANGKOK,THAILAND
IN PROCESS
A69557000
$50.00

IM BEITRAGE ZUR KLINISCHEN NEUROLOGIE UND PSYCHIATRIE
50,1982--
VEB GEORG THIEME LEIPZIG
CONTINUES: SAMMLUNG ZWANGLOSER ABHANDLUNGEN AUS DEM GEBIETE DER PSYCHIATRIE UND NEUROLOGIE.
LEIPZIG GERMANY, EAST
IN PROCESS
B03436000

CLINICAL RHEUMATOLOGY IN PRACTICE
1N1,JAN/FEB 1983--
LE JACQ PUBLISHING
NEW YORK UNITED STATES
ON ORDER
C26910600

IM GIORNALE DI STOMATOLOGIA E DI ORTOGNATODONZIA
1,1982--
POLIAMBULATORIO ODONTOIATRICO RIUNITO SRI
ORDERZO ITALY
POLIAMBULATORIO ODONTOIATRICO RIUNITO SRI, P.ZA CASTELLO, 9-31046 ODERZO, ITALY
ON ORDER
G09130000

I YAO KUNG YEH. PHARMACEUTICAL INDUSTRY
N1,1983--
SHANGHAI INSTITUTE OF PHARMACEUTICAL INDUSTRY
PEKING CHINA
SHANGHAI INSTITUTE OF PHARMACEUTICAL INDUSTRY, 1320 WEST BEIJING LU, SHANGHAI, PEOPLES REPUBLIC OF CHINA
IN PROCESS
I00357500

INTERNATIONAL SYMPOSIUM ON DOUBLE-STRANDED RNA VIRUSES
1ST,1982--
ELSEVIER BIOMEDICAL
NEW YORK UNITED STATES
ELSEVIER SCIENCE PUBLISHING CO.INC., 52 VANDERBILT AVE., NEW YORK NY 10017
IN PROCESS
I32565000

IM JOURNAL OF REHABILITATION R AND D
20N1,JUL 1983--
U.S. VETERANS ADMINISTRATION
CALLED ALSO: JOURNAL OF REHABILITATION RESEARCH AND DEVELOPMENT. CONTINUES: BULLETIN OF PROSTHETICS RESEARCH. CALLED ALSO BPR 10-38- .
WASHINGTON UNITED STATES
VETERANS ADMINISTRATION, DEPARTMENT OF MEDICINE AND SURGERY, WASHINGTON DC 20420
W1 JO867R
J36950000

IM JOURNAL OF THE ROYAL SOCIETY OF MEDICINE. SUPPLEMENT
1,1982--
ROYAL SOCIETY OF MEDICINE
LONDON ENGLAND
PUBLICATIONS DEPT, ROYAL SOCIETY OF MEDICINE, CHANDOS HOUSE, 2 QUEEN ANNE ST., LONDON W1M 0BR ENGLAND
ON ORDER
J37620020

NORVEGICA PHARMACEUTICA ACTA
45N1,1983--
NORSK FARMACEUTISK SELSKAP
CONTINUES: MEDDELELSER FRA NORSK FARMACEUTISK SELSKAP.
OSLO NORWAY
NORSK FARMACEUTISK SELSKAP, SORLIGATEN 8, OSLO 5, NORWAY
IN PROCESS
N30423000

OPHTHALMOLOGY MANAGEMENT
1,APR 1983--
ADVISORY ENTERPRISES
ANNUAL INDEX PUBLISHED IN THE DECEMBER ISSUE.
WHITE PLAINS NY UNITED STATES
ADVISORY ENTERPRISES INC, 1 HOLLAND AVE, WHITE PLAINS NY 10603
ON ORDER
008115000

RADIOTHERAPY AND ONCOLOGY
1N1,AUG 1983--
ELSEVIER SCIENCE
JOURNAL OF THE EUROPEAN SOCIETY FOR THERAPEUTIC RADIOLOGY AND ONCOLOGY.
AMSTERDAM NETHERLANDS
ELSEVIER SCIENCE B.V., JOURNALS DEPARTMENT, P.O. BOX 211, 1000 AE AMSTERDAM, THE NETHERLANDS
ON ORDER
R01835000

REVIEWS OF CLINICAL INFECTIOUS DISEASES
1982--
GRUNE AND STRATTON
NEW YORK UNITED STATES
GRUNE AND STRATTON INC. 111 FIFTH AVE, NEW YORK NY 10003
IN PROCESS
R29017000

WORLD CATALOGUE OF VETERINARY FILMS/VIDEO TAPES AND FILMS/VIDEO TAPES OF VETERINARY INTEREST
1983--
WORLD VETERINARY ASSOCIATION
CONTINUES: WORLD CATALOGUE OF VETERINARY FILMS AND FILMS OF VETERINARY INTEREST.
GENEVA SWITZERLAND
WORLD VETERINARY ASSOCIATION, 70 RTE, DUPONT BUTIN, 1213 PETIT-LANCY, SWITZERLAND
IN PROCESS
W08670000

*****

--PLEASE TYPE NEWS TO SEE MOST RECENT NEWS ITEMS ONLINE--

AVAILABLE PRE-EXPLOSIONS, 1984 APPENDIX A

Pre-explosions (EXCEPT those added for 1983) are indicated in both the Medical Subject Headings - Annotated Alphabetic List, 1984 and the Medical Subject Headings Tree Structures, 1984 with a black dot.

Pre-explosion Name (PX)	Tree No.
ANTIBIOTICS	D20.85
BACTERIA	B3
BACTERIAL INFECTIONS	C1.252
BEHAVIOR	F1.145
BEHAVIOR AND BEHAVIOR MECHANISMS	F1
(84)BEHAVIORAL AND MENTAL DISORDERS	F3
(83)BIOCHEM PHENOM METAB	G6
(84)BLOOD PROTEINS	D12.776.124
BRAIN	A8.186.211
CARBOHYDRATES	D9.203
(84)CARDIOVASCULAR AGENTS	D18
CARDIOVASCULAR DISEASES	C14
(83)CARDIOVASCULAR SYSTEM	A7
CELLS	A11
CENTRAL NERVOUS SYSTEM	A8.186
CENTRAL NERVOUS SYSTEM DISEASES	C10.228
(83)CHEMISTRY, ANALYTICAL	E5.196
(84)CIRCULATORY, RESPIRATORY PHYSIOLOGY	G9
DENTISTRY	E6
(83)DIAGNOSIS, LABORATORY	E1.223
DIGESTIVE SYSTEM DISEASES	C6
ENZYMES	D8.586
(84)EQUIPMENT AND SUPPLIES	E7
GENETICS	G5
HEALTH FACILITIES	N2.278
HEALTH SERVICES	N2.421
HEART DISEASES	C14.280
HORMONES	D6.472
(83)IMMUNITY	G4.610
IMMUNOLOGIC FACTORS	D24.611
LIPIDS	D10.516
MAMMALS	B2.649
MENTAL DISORDERS	F3.709
METABOLIC DISEASES	C18.452
(84)METALS	D1.552
MISCELLANEOUS TECHNICS	E5
MOUTH AND TOOTH DISEASES	C7
NEOPLASMS	C4
NERVOUS SYSTEM	A8
NERVOUS SYSTEM DISEASES	C10
NEUROLOGIC MANIFESTATIONS	C10.597
ORGANIZATION AND ADMINISTRATION	N4.452
(83)PHYSIOLOGY, GENERAL	G7
PROTEINS	D12.776
(84)PSYCHOLOGIC PROCESSES PRINCIPLES	F2
(84)REPRODUCTION, UROGENITAL PHYSIOLOGY	G8
RESPIRATORY TRACT DISEASES	C8
(84)RODENTIA	B2.649.865
SIGNS AND SYMPTOMS	C23.888
STEROIDS	D4.808
SURGERY, OPERATIVE	E4
UNITED STATES MC [as MeSH heading]	Z1.107.567.875
UNITED STATES [as 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

Remember to disguise the AND in names of Pre-explosions just as you do for regular searching on MeSH headings with embedded ANDs.

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NOVEMBER 1983
NO. 175

THE NLM TECHNICAL BULLETIN

REGULAR ITEMS

2 Files

3 Technical Notes

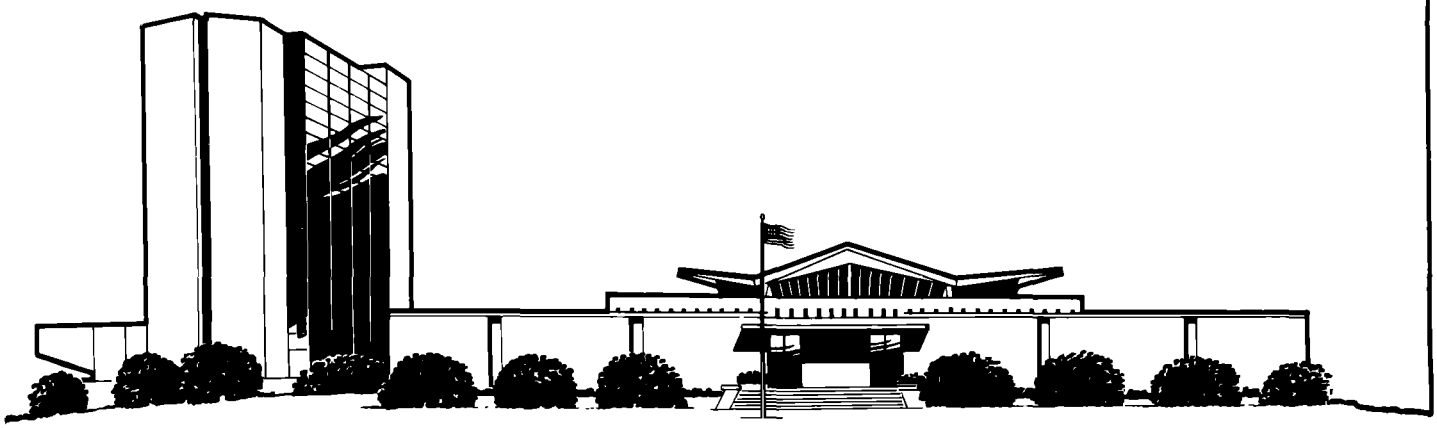
10 New Serials and Title Changes Announcements - October 1983

ARTICLES & FEATURES

6 Cancellation of Offline Prints Now Possible

7 The Automatic SDI Service: Some Points to Keep in Mind

Enclosures: NLM Automatic SDI Service Request Form
Map of Online Centers in the U.S., September, 1983



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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • National Institutes of Health
National Library of Medicine

DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AVLINE	12,058	THROUGH 1983	23 NOV 83	
BIOETHICS	15,152	JAN 73-MAR 83	24 OCT 83	8310(EM)
CANCERLIT	380,215	JAN 63-NOV 83	07 NOV 83	8311 EM)
CANCERPROJ	21,117	1978-1981	12 NOV 81	8110(EM)
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CLINPROT	4,085		21 NOV 83	8311(EM)
DIRLINE	13,056		01 AUG 83	
EXPRESS	8,160	MAY 83-NOV 83	08 NOV 83	8311(EM)
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PDQ	947		31 OCT 83	8310(EM)
PDQ/DIRECTORY	11,186	NOV 83	21 NOV 83	8311(EM)
POPLINE	114,591	1970-NOV 83	15 NOV 83	8311(EM)
RTECS	63,183	THROUGH JUL 83	26 SEP 83	
SDILINE	25,011	DEC 83	07 NOV 83	
SERLINE	41,882	1983	07 NOV 83	
TDB	4,059		24 AUG 83	
TOXLINE	649,329		24 OCT 83	8310(EM)
CBAC	329,494	1979-VOL 99(6-7)		
TOXBIB	116,200	1979-NOV 83		
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HEEP	61,871	1974-1978		
PESTAB	13,537	1974-1978		
TOXBACK65	387,377		19 APR 82	
CBAC	196,015	1965-1973		
TOXBIB	112,170	1968-1973		
IPA	21,973	1969-1973		
HEEP	29,662	1970-1973		
HAPAB/PESTAB	12,966	1968-1973		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1973		

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National Library of Medicine
Bldg. 38A, Rm. 4N421
Bethesda, Maryland 20209

TECHNICAL NOTES

Whenever applicable, the headings of each Technical Note include 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.

NLM COMPUTER UNAVAILABLE SATURDAY DECEMBER 10, 1983 - REMINDER: The NLM computer will be unavailable on Saturday, December 10, 1983, in order to install the 1984 MEDLINE/ BACKFILES and HEALTH databases. Please see the Technical Note in the October 1983 Technical Bulletin, p. 4, titled "YEAR-END PROCESSING," for additional information.

CATLINE/ AVLINE UPDATE SCHEDULE - Effective December 1, 1983, NLM will change the weekly updates of the CATLINE and AVLINE databases to Thursday mornings between 4:00 AM and 6:30 AM Eastern Time. (Previously these databases had been updated Thursday mornings between 6:00 AM and 8:30 AM Eastern Time.) These two databases will be unavailable to online users during this period each Thursday morning. All other databases will be available as scheduled.

DECEMBER HOLIDAY SCHEDULE - The NLM computer will be down all day on the following dates in observance of the Christmas and New Year's holidays:

December 24, 1983 (Saturday)
December 26, 1983 (Monday)
December 31, 1983 (Saturday)
January 2, 1984 (Monday)

DIRLINE CHARGES - Beginning November 1, 1983, DIRLINE online connect charges, computer work, and characters will be billed at MEDLINE rates. OFFSEARCHes continue to be charged at $1.00 per search; OFFPRINT pages are $.18 per page.

CANCEREXPRESS NON-BILLED ONLINE TIME - At the request of the National Cancer Institute, non-billed online access for the CANCEREXPRESS database will be extended through December 31, 1983. OFFSEARCHes will continue to be charged at $1.00 per search; OFFPRINT pages are $.18 each.

CHARGES EXPLAIN - Effective November 21, 1983, the online EXPLAIN for charges was revised to include the detailed chart for the pricing components (connect time, work performed by the NLM computer, and characters created for transmission to the user's terminal) of the new pricing algorithm. To view this revised EXPLAIN, input after any user cue one of the following:

EXPLAIN CHARGES or EXPLAIN PRICES
or EXPLAIN COST or EXPLAIN ALGORITHM

BACKFILE POSTINGS IN MESH VOCABULARY FILE (Manual 6.8.2) - After December 12, 1983, the date when the 1984 MEDLINE databases become available, the Backfile Postings field of the MESH VOCABULARY FILE will be changed to reflect the new configuration of the MEDLINE backfiles. The five data elements will be:

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:

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.

OFFLINE OR OFFSEARCH PRINTOUTS - Effective December 12, 1983, OFFSEARCH and OFFLINE printouts from the MEDLINE backfiles will have the following names printed in the line, "THIS SEARCH WAS PERFORMED ON THE DATABASE NAME FILE.":

BACK80 for the backfile MED80
BACK77 for the backfile MED77
BACK75 for the backfile MED75
BACK71 for the backfile MED71
BACK66 for the backfile MED66

SAVESEARCH AND THE RESTACK COMMAND (Manual 5.3) - Use of the RESTACK (alias KEEP) command is not permitted either within a SAVESEARCH command or prior to the issuance of a SAVE command. If a searcher attempts to RESTACK while storing a SAVESEARCH, the following message will be received:

RESTACKING NOT PERMITTED WHILE STORING SEARCHES

Should a searcher enter the command SAVE after issuing a RESTACK command earlier in the database search session, the following message will be received:

CANNOT SAVE SEARCH - REFERS TO RESTACKED SEARCH STATEMENT

However, the other erasure commands, ERASEALL and ERASEBACK, may be used with the SAVE and SAVESEARCH commands.

SIGNED INITIAL TRAINING CLASS - The Initial Online Services Training class to be held at NLM, June 11-15, 1984, will be signed for the hearing-impaired. Any searcher who could benefit from this service should send a training application to MEDLARS Management Section by March 15 requesting this particular class. Please indicate on the form that you are hearing-impaired. For additional information, please contact MMS.

MEDLARS INDEXING TOOLS - The following updated MEDLARS indexing tools are now available for purchase from the National Technical Information Service (NTIS):

1) MEDLARS Indexing Manual, Part II, 1984
   Order number = PB84-104280
   Price = $16.00 ($32.00 foreign; $4.50 microfiche)

2) Technical Notes: MEDLARS Indexing Instructions (1984)
   Order number = PB84-104298
   Price = $10.00 ($20.00 foreign; $4.50 microfiche)

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 deposit account or credit card only)

---PLEASE TYPE NEWS TO SEE THE MOST RECENT NEWS ITEMS ONLINE---

CANCELLATION OF OFFLINE PRINTS NOW POSSIBLE

Patricia E. Healy, MEDLARS Management Section, NLM

Beginning November 21, 1983, it will become possible, for the first time, to request cancellation of an OFFLINE PRINT (previously only OFFSEARCHes could be cancelled). In order to make cancellation of OFFLINE PRINTS possible, a TASKNAME will now automatically print out following the issuance of a PRINT OFFLINE command. For example:

```
SS 3 /C?
USER:
PRT OFFLINE

PROG:
TASKNAME = P4090603
```

Each TASKNAME for an OFFLINE PRINT begins with the letter 'P', differentiating it from an OFFSEARCH TASKNAME, which begins with the letter 'S'.

To request cancellation of an OFFLINE PRINT, users should call the MEDLARS Management Service Desk on the same day the print command was issued; OFFLINE PRINTS cannot be cancelled after the day of input. NLM does not recommend requesting an OFFLINE PRINT cancellation via the COMMENT command. Users must be able to provide Service Desk personnel with the TASKNAME for the OFFLINE PRINT; prints cannot be cancelled without the TASKNAME. You will be asked for your name and phone number when you request a print cancellation so you may be contacted should it not be possible to cancel the OFFLINE PRINT. NLM cannot guarantee cancellation of any OFFPRINT, although generally cancellation is possible. OFFLINE PRINTS will only be processed if the message:

```
OFF-LINE-PRINT COMPLETED.
```

is received following a 'Y' answer to the system prompt:

```
OK?  (Y/N/C/ADDRESS)
USER:
Y

PROG:
OFF-LINE-PRINT COMPLETED.
```

If the 'C' response is entered, the OFFLINE PRINT will automatically be cancelled and the user will receive the message:

```
OFF-LINE-PRINT COMMAND HAS BEEN CANCELLED.
```

If the 'N' response is entered, the print is not cancelled; rather, a new TASKNAME will be assigned to the OFFLINE PRINT command already input and the user will be re-prompted for the mailing information, the requester's name, and the search title. The system prompt 'OK? (Y/N/C/ADDRESS)' will again be issued. If the 'Y' response is input to this question at this point, the message 'OFF-LINE-PRINT COMPLETED' will be received. If you need to cancel the OFFLINE PRINT after this message is received, the latest TASKNAME for the OFFLINE PRINT should be provided to MMS or the print will not be successfully cancelled.

Users should keep a record of TASKNAMEs provided with OFFLINE PRINTS and OFFSEARCHes until these respective prints are received. If problems develop with the prints, the TASKNAMEs are the most useful and accurate way of tracing the print or search output. TASKNAMEs appear in the upper right-hand corner of all OFFPRINTS, making it possible for the user to verify that a particular OFFSEARCH or OFFLINE PRINT has been received.

*****

THE AUTOMATIC SDI SERVICE: SOME POINTS TO KEEP IN MIND

P. E. Pothier, MEDLARS Management Section, NLM

SDI stands for Selective Dissemination of Information; it is a current awareness mechanism, that is, a method for keeping health professionals current on the latest research in a given subject area. The relationship between SDI and SDILINE is purely historical; SDILINE was the name given to the database that contains the latest monthly update to MEDLINE. However, Automatic SDI Service, whereby the output from stored searches is routinely sent to you each month, is available on the SDILINE, TOXLINE, CANCERLIT, HEALTH, POPLINE, AVLINE, and CATLINE databases.

Two things must be done in order to have Automatic SDI or current awareness data sent to you:

1. Store the searches, following the procedures outlined in the Online Services Reference Manual, Section 5.2.2

2. Submit one NLM Automatic SDI Service Request Form, as described in the Manual, Section 5.2.5, for each database from which you wish Automatic SDI service.

Storing Automatic SDI Searches

Storing an Automatic SDI search consists of two intellectual processes: formulating the search and naming the search. Formulating a stored search for processing as an Automatic SDI is essentially the same as formulating any other stored search; however, in the case of the Automatic SDI stored search, special attention must be paid to the OFFSEARCH limits listed in the Manual (Section 5.1.5), especially if the SDI searches are to be run against TOXLINE, CANCERLIT, HEALTH, or POPLINE. Since there are no separate update subsets like SDILINE for these databases, the stored search must be run against databases that grow in size each month; the update tag (EM) is only ANDed with the search strategy at the very end. It is therefore essential in formulating stored searches to be run as Automatic SDIs to avoid:

> Stringsearching
> Large explosions (except Pre-explosions)
> Truncations (e.g., ALL TOXIC:)
> Long or involved strategies which, as the database grows, are apt to exceed the four minutes allowed for processing a single search

The largest single cause of failure in the processing of Automatic SDI searches is stringsearching, since, as the files grow, the number of retrieved citations on which a stringsearch is to be performed very quickly reaches the limit of 3,000.

The naming conventions for stored searches to be run as Automatic SDIs follow (in addition to the ordinary rules for naming stored searches cited in the Manual, Section 5.2.2) the special rules outlined in Section 5.2.5. The special naming conventions for Automatic SDI stored searches require that the search name be prefaced by a four-character alphanumeric identifier that tells the program which database the search is to run against and what data elements of the retrieved citations are to be printed. The alphabetic characters (S, T, C, H, P, A, and B) tell the program whether the stored search is to be run against SDILINE, TOXLINE, CANCERLIT, HEALTH, POPLINE, AVLINE, or CATLINE. The three numbers tell the program which print format is to be used. The print formats corresponding to each range of numbers for each database are given on the verso of the NLM Automatic SDI Service Request Form (hereinafter referred to as the SDI Form). In assigning numbers to automatic stored searches, two things must be noted:

1. If there is a space between the initial alphabetic character and the three numbers, the search cannot be processed. The program will recognize, for example, T001 DIOXIN as an automatic stored search to be run monthly against TOXLINE; it will not recognize T 001 DIOXIN. If you have stored searches with a space between the leading alphabetic character and the three numbers, you must either run it yourself each month as an OFFSEARCH or purge it, using the PURGESEARCH command, and start over with a new name and a new formulation.

2. The four alphanumeric characters at the beginning of the search name are a part of the search name and must be included in the character count for the name. The name may not exceed 30 characters.

The NLM Automatic Service Request Form: How and When to Use It

The first thing to be filled in on the SDI Form is your five-character MEDLARS USERID. This is the link between your request for automatic service and the stored searches from which you want automatic monthly retrieval. When you log in under your USERID, let us say XYZ01, and store a search whose name begins with a database-identifying letter and three numbers, e.g., T001 DIOXIN, that search is actually stored as T001 DIOXIN/MEDXYZ01. The suffix /MEDXYZ01 will never appear on a printout or in an online display, but the XYZ01 is the link between your SDI Form and your automatic stored searches. Therefore, it is essential that you enter your USERID in the box at the upper right-hand corner of the SDI Form and that you store automatic searches only when logged in under that USERID.

The fields for NAME, ADDRESS, and CITY, STATE, ZIP are self-explanatory. However, each field is limited to 50 characters and may not be continued on a second line. Also, the name you put in the NAME field should be as unlikely to change as possible -- an institution or office rather than a personal name. You can put your own name and telephone number in the space provided at the right. This information is not used by the program, but it is a convenience for the MMS staff, should they need to contact you about your SDI Form.

If you are requesting Automatic SDI service for the first time on a given database, check the box marked BEGIN and fill in the database name. Remember, you must submit an SDI Form for each database on which you wish Automatic SDI service. Do not submit an SDI Form for each search you store. Once you have established Automatic SDI service on a given database, all appropriately named searches stored under your USERID will be picked up by the program and run each month.

If you have already established Automatic SDI service on a given database but want to change something on your previously submitted form(s), check the box marked CHANGE and indicate the appropriate database. There are several kinds of changes you may wish to make. If you wish to change your name and/or address, remember that you must submit a change form for each database on which you have Automatic SDI service, as the records are kept separately for each database. Moreover, do not rely on a change of address notification sent to NLM for the NLM Technical Bulletin or for billing purposes being routed to the SDI Service.

You will also want to mark the CHANGE box if you wish to discontinue Automatic SDI service on a given database. In this case, indicate on which database(s) you no longer want SDI service. Do not submit a change form if you merely want to discontinue processing of certain searches. To stop processing of individual searches, simply use the PURGESEARCH command, as described in the Manual, Section 5.2.4, to delete the stored searches.

The bottom part of the SDI Form provides a place to indicate NUMERICAL RANGES, PRINT ELEMENTS, and SORT ELEMENTS. If you are satisfied with the default print and sort elements for the numerical ranges within which you have numbered your stored searches, leave these spaces blank. It is not necessary to let us know how your searches are numbered or how they are to be printed or sorted unless you are not satisfied with the default print and sort elements identified on the verso of the SDI Form. Remember that if you wish to override the default elements for a given number range, they will be overriden for all your searches stored in that number range. We cannot override print and/or sort elements for part of a number range; nor can we override them in more than one way within a number range.

There is one situation in which you must indicate print and sort elements: when you number your searches in the 701-800 range for any database. Since there is no default print format for this range, if you use it and fail to specify which elements you want printed, the search program will process the search, but the print program will be unable to print it and will return an error message. If you use the 701-800 number range, you must so indicate on the SDI Form and indicate which elements are to be printed and how the retrieval is to be sorted.

In all other cases, use this part of the SDI Form only if you have numbered your searches in one of the other four number ranges and wish to override the default elements or to override elements which you indicated on a previous form.

Finally, please do not submit an SDI Form unless you really mean to store searches for Automatic SDI processing. Once you have submitted an SDI Form, the program will look for searches stored under your USERID every month whether you have searches stored or not.

A copy of the SDI Form is enclosed with this issue; please make photocopies as needed.

The NLM Automatic SDI service is designed to make the provision of current awareness bibliographies as easy and trouble-free as possible. If you have any questions about the Automatic SDI procedures, please call MEDLARS Management on our toll-free number (800/638-8480).

*****

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - OCTOBER 1983
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. 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.

IM ACTA CHIRURGICA HUNGARICA
24,1983--
AKADEMIAI KIADO
CONTINUES: ACTA CHIRURGICA ACADEMIAE SCIENTIARUM HUNGARICAE.
BUDAPEST HUNGARY
IN PROCESS
A04846000

BEITRAGE ZUR INTENSIV- UND NOTFALLMEDIZIN
1,1983--
KARGER
BASEL SWITZERLAND
ON ORDER
B03335000

BIOLOGY...CURRENT TITLES IN THE BIOLOGICAL SCIENCES
1983--
ALLEN PRESS
LAWRENCE KS UNITED STATES
ON ORDER
B17750000

CAMBRIDGE STUDIES IN SPEECH SCIENCE AND COMMUNICATION
1,1983?--
CAMBRIDGE UNIVERSITY PRESS
CAMBRIDGE, ENG. ENGLAND
ON ORDER
C03099000

CANCER DRUG DELIVERY
1,1983--
MARY ANN LIEBERT
NEW YORK UNITED STATES
MARY ANN LIEBERT INC.,157 E. 86TH ST., NEW YORK NY 10028
ON ORDER
C05470000
$110.00

IM COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY.
C: COMPARATIVE PHARMACOLOGY AND TOXICOLOGY.
74N1,1983--
PERGAMON PRESS
CONTINUES: COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY. C: COMPARATIVE PHARMACOLOGY.
OXFORD ENGLAND
IN PROCESS
C33670000

EMERGENCY MEDICINE SURVEY
1N1,JUL 1982?--
WILLIAMS AND WILKINS
BALTIMORE UNITED STATES
ON ORDER
E06038000
$45.00

HEARING JOURNAL
36N1,JAN 1983?--
LAUX COMPANY
CONTINUES: HEARING AID JOURNAL.
HARVARD MA UNITED STATES
LAUX COMPANY, WEST BARE HILL ROAD, P.O. BOX L, HARVARD, MA 01451
IN PROCESS
H09310000

INTERNATIONAL JOURNAL FOR BIOSOCIAL RESEARCH
2N1,1981--
BIOSOCIAL PUBLICATIONS
CONTINUES: JOURNAL OF BEHAVIORAL ECOLOGY.
TACOMA WA UNITED STATES
BIOSOCIAL PUBLICATIONS, P.O. BOX 1174,
TACOMA WA 98401
IN PROCESS
I26425000

INTERNATIONAL SYMPOSIUM OF THE SIMONE AND CINO DEL DUCA FOUNDATION ON CANCER PHARMACOTHERAPY
1ST,1981--
MASSON PUBLISHING USA
NEW YORK UNITED STATES
IN PROCESS
I34415000

IM JOURNAL OF CYCLIC NUCLEOTIDE AND PROTEIN PHOSPHORYLATION RESEARCH
9N1,1983--
RAVEN PRESS
CONTINUES: JOURNAL OF CYCLIC NUCLEOTIDE RESEARCH.
NEW YORK UNITED STATES
RAVEN PRESS, 1140 AVENUE OF THE AMERICAS, NEW YORK CITY 10036
W1 JO612V
J18290000
$65.00

JOURNAL OF MEDICAL SCIENCE
1N1,JUL 1983--
RAMITASU
DHAKA BANGLADESH
RAMITASU,GPO BOX 3497,DHAKA 2,BANGLADESH
IN PROCESS
J29250000
$40.00

LUNG INDIA
1N1,AUG 1982--
INDIAN CHEST SOCIETY
BOMBAY INDIA
INDIAN CHEST SOCIETY,7 1ST CROSS ST,SEETHA NAGAR, NUNGAMBAKKAM, MADRAS 600 034 INDIA
IN PROCESS
L13530000
$25.00

NUTRITION UPDATE
1,1983--
WILEY
NEW YORK UNITED STATES
IN PROCESS
N36105000

PERSPECTIVES IN CLINICAL PHARMACOLOGY
1N1,JUL 1983--
ELSEVIER SCIENCE PUBLISHING
NEW YORK UNITED STATES
ON ORDER
P08983000
$48.00

PSYCHOLOGY AND HUMAN DEVELOPMENT
1,1983?--
SOCIETY FOR PERSONALITY RESEARCH
FIJI
UNIVERSITY OF THE SOUTH PACIFIC,FIJI
ON ORDER
P55265000
$24.00

SURGERY
1N1,JUN 1983--
MEDICAL EDUCATION INTERNATIONAL
OXFORD ENGLAND
MEDICAL EDUCATION INTERNATIONAL,PEMBROKE HOUSE,36/37 PEMBROKE ST,OXFORD OX1 1BR,ENGLAND
IN PROCESS
S48250000

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THE NLM TECHNICAL BULLETIN

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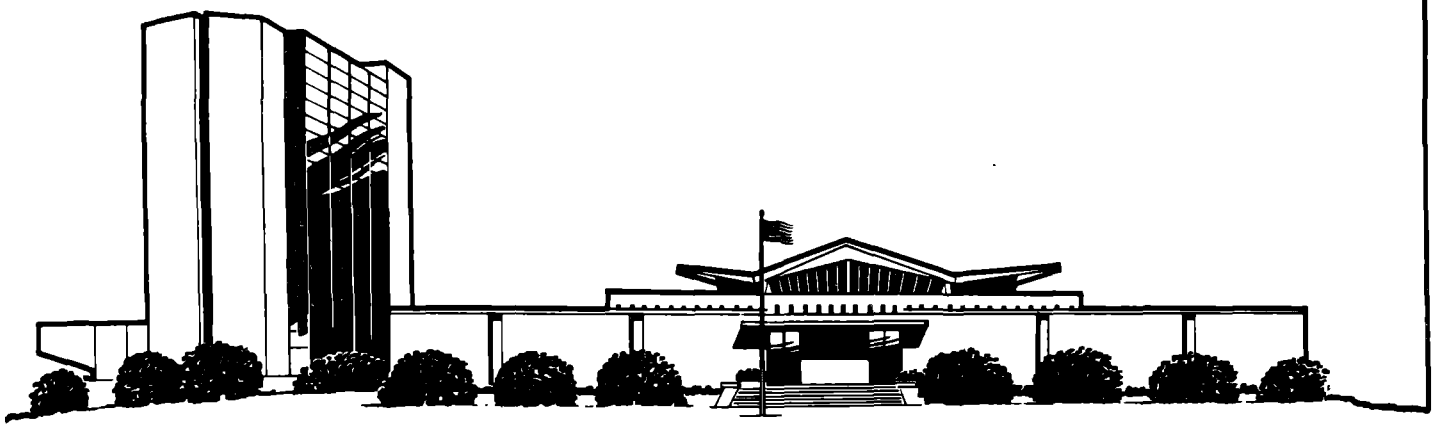
Appendix A: Pre-explosions by Category

Enclosures: DIRLINE Chapter and HEALTH Replacement Pages, Online Services Reference Manual



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TOXBIB	103,386	1974-1978		
IPA (ASHP)	30,606	1974-1978		
HEEP	61,871	1974-1978		
PESTAB	13,537	1974-1978		
TOXBACK65	387,377		19 APR 82	
CBAC	196,015	1965-1973		
TOXBIB	112,170	1968-1973		
IPA	21,973	1969-1973		
HEEP	29,662	1970-1973		
HAPAB/PESTAB	12,966	1968-1973		
HAYES	10,039	1940-1968		
TMIC	4,552	1940-1973		

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Bethesda, Maryland 20209

TECHNICAL NOTES

Whenever applicable, the headings of each Technical Note include 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.

ALIASES FOR SHOW COST COMMAND - Effective December 12, 1983, the following aliases will be available for the various elements of the SHOW COST command:

SHOW	COST	
SH	C	
TOTAL	RESET	DETAILED
T	R	DL

Examples of their use are:

SHOW C T (for SHOW COST TOTAL)

SH C R (for SHOW COST RESET)

SH C DL T (for SHOW COST DETAILED TOTAL)

Remember that even when using aliases, a space must separate the words or aliases for the SHOW COST part of the command; SHOW COST or its aliases are also the essential first words when issuing the command. The other optional elements in the command should also be separated from the SHOW COST portion by a space. These optional elements themselves may be separated from each other by a space or comma, depending on the searcher's preference.

MEDLINE/HEALTH DISSIMILAR DATABASES (Manual 5.1.2.1) - With the introduction of NHPIC (National Health Planning Information Center) data into the HEALTH file, the MEDLINE and HEALTH files became dissimilar databases. This dissimilarity is important to note when searching these two databases (and/or the MEDLINE BACKFILES and HEALTH) in OFFSEARCH. Searchers will recall that when searching dissimilar databases in the same OFFSEARCH, standard print instructions must be input in response to the 'PRINTSPECS' prompt. These standard print instructions are:

SD for PRINT
FU for PRINT FULL
DL for PRINT DETAILED
AR for PRINT AR (Author, Title, Source, Abstract; available for MEDLINE, HEALTH, POPLINE and BIOETHICS only)

Therefore, when searching HEALTH and any of the MEDLINE files together in one OFFSEARCH, the response to the PRINTSPECS prompt must be either SD, FU, DL, or AR. For example:

PROG:
PRINTSPECS?

USER:
SD

If these standard print instructions are not used when searching dissimilar files in OFFSEARCH, NLM cannot guarantee the integrity of the printouts received. When searching dissimilar files, the searcher may not specify individual elements or use an include or exclude instruction.

USER ID VS. PASSWORD - To access the MEDLARS system, searchers are required to enter a User ID code and a Password in response to the LOGIN prompt, 'PLEASE ENTER USERID CODE/PASSWORD OR LOGON'. The format for entry is illustrated below using the User ID XYZ01 and the Password CHEERS:

XYZ01/CHEERS

The User ID code (also known as the "access code") is composed of three alphabetic characters and two numbers, e.g., XYZ01. This code is assigned to the user by NLM when the user applies for access. It is the principal, unique identifying feature of the user to the system and to the system personnel; it is required with all LOGINs to the system. When Service Desk personnel request a User ID code, they are referring to this five-character alphanumeric code. Similarly, Automatic SDI forms, as well as other MEDLARS forms, request the User ID code (again, for unique identification).

The Password, on the other hand, is an alphabetic character string of three to eight characters initially assigned to the searcher's User ID by NLM, but changeable at the searcher's discretion using the PROFILE command. The Password is not a requirement of the system, i.e., the searcher may delete the Password from a User ID code, in which case, the Password will no longer be required at LOGIN. However, use of a Password with a User ID code is recommended to prevent unauthorized access to the system by someone who may have "discovered" the searcher's User ID code. NLM also recommends changing one's Password periodically to insure additional User ID security. The Password in and of itself does not uniquely identify the user to the system. Since it is a security feature of the system, the Password should not be posted near the terminal nor accompany the User ID code on any form (e.g., an Automatic SDI form) nor be divulged in routine conversations about one's User ID code or access. On occasion, MMS Service Desk personnel will ask for a Password. Generally, however, they will merely require a User ID to answer most questions.

DIRLINE VERSION - The DIRLINE database currently available on the MEDLARS system is the October 1982 version of the National Referral Center (NRC) database; the NRC database is, at the present time, the only component of DIRLINE. The October 1982 NRC data has not yet been updated. NLM anticipates updating DIRLINE early in 1984 to reflect a more current version of the NRC database. For information concerning the content of the NRC database, please contact:

Staffan Rosenborg
The Library of Congress
National Referral Center
Washington, DC 20540
202/287-5683

IBM 3270 ACCESS - NLM is investigating the potential for IBM 3270 terminal access to the NLM computer. Experimentation will begin as soon as the value-added networks (e.g., Telenet, Tymnet) can support these terminals. At present, IBM 3270 terminals cannot access the MEDLARS system through the data communications networks.

PRE-EXPLOSION TERMS IN MULTIPLE TREES - Some Pre-explosion terms occur in more than one MeSH tree or category; however, in all cases, only one tree number is EXPLODEd. If the Pre-explosion is used, only the EXPLODEd tree number designated on the list of Pre-explosions for 1984 is retrieved. For example, DENTISTRY (PX) retrieves the same results as EXP E6; DENTISTRY (PX) does not retrieve the same results as EXP G2.163. (G2.163 is the alternate tree number for DENTISTRY.) The alternate tree number may be EXPLODEd by specifically entering the tree number with the EXPLODE instruction, e.g., EXP G2.163. The Pre-explosions occurring in more than one tree are:

Pre-explosion Name	EXPLODEd Tree Number	Tree Number not EXPLODEd
CHEMISTRY, ANALYTICAL	E5.196	H1.181.278
DENTISTRY	E6	G2.163
GENETICS	G5	G1.273.343
METALS	D1.552	J1.637.517
NEUROLOGIC MANIFESTATIONS	C10.597	C23.888.592

Please check the tree structures to determine which tree Explosion is desired in a specific search situation.

PRE-EXPLOSION LIST BY CATEGORY - Included with this issue as Appendix A is a complete list of all Pre-explosions (PX) through 1984 arranged by MeSH category or tree number. This grouping may be more useful in actual searching than the alphabetical list by Pre-explosion name that was issued with the October 1983 issue.

MANUAL CHAPTER AND REPLACEMENT PAGES - Enclosed is a new chapter, DIRLINE, for the 1982 Online Services Reference Manual; replacement pages for the HEALTH chapter, with instructions for filing, are also enclosed.

HEALTH DATA ELEMENT CHANGES FOR 1984

Lou Wave S. Knecht, MEDLARS Management Section, NLM

Effective December 12, 1984, HEALTH has a new look! Every record in the database carries the SI (Secondary Source ID) field that was originally introduced for the NHPIC (National Health Planning Information Center) records only with the May 1983 update. Possible values for the SI field now include the following:

MED	for records derived from MEDLINE
AHA	for records derived from the American Hospital Association
NP/######	for records derived from NHPIC (# equals a number)
AAMC	for records derived from the Association of American Medical Colleges

Currently the values MED, AHA, and NP/###### are mutually exclusive. The SI field is, however, multiply-occurring, and the AAMC value may appear on a record along with either the MED or AHA values. (Note: The AAMC notation is no longer actively being added to HEALTH records; it is a retrospective tag on a small number of records and never appears alone.) The SI field prints as the first line of every standard HEALTH PRINT format, i.e., PRT, PRT FU, PRT DL, and PRT AR.

Searching the Expanded SI Field

The SI data element is directly searchable. In the case of the NP/###### tag, both the entire value (including the slash and numbers) and the 'NP' prefix are searchable. The latter, (SI) NP, retrieves the entire NHPIC subset of HEALTH. In past issues of the NLM Technical Bulletin (March and May, 1983), search hints for excluding the MEDLINE citations and limiting to monographic citations were given. THESE ARE STILL PROPER SEARCHING TECHNIQUES. The addition of the SI field to every HEALTH record has not changed those techniques. Rather, the addition has made the HEALTH file more uniform and offers other ways of searching. For example, use any of the following to exclude the MEDLINE citations from a HEALTH search:

SS 2: 1 AND H (LI) OR 1 AND NP (SI)

SS 3: 1 AND NOT MED (SI)

SS 4: 1 AND AHA (SI) OR 1 AND NP (SI)

NOTE: The H (LI) tag and the AHA (SI) tag are identical for retrieval purposes. The H (LI) tag was retained upon the introduction of the AHA (SI) tag because the NLM anticipated that the former may be included in many saved/stored searches and recognized that it had become a searching habit over the years.

In terms of cost-effective searching, SS 2 or SS 4 are probably less expensive than SS 3. Even though SS 3 looks simpler, the MED (SI) tag has a large number of postings (about 80% of the database) and results in more TIME OVFLW messages, which are a factor in the computer work units component of the pricing algorithm.

The technique for eliminating the NHPIC records or limiting a HEALTH search to journal articles remains the same, i.e.:

SS5 1 AND NOT NP (SI)

The SB (Journal Subset) Field

The SB (Journal Subset) field previously carried the value 'N' to identify the AAMC records. This tag has been deleted with the addition of the AAMC (SI) tag that now identifies those records. NLM chose to delete the N (SB) tag because it is not an active, ongoing subset of the HEALTH file; deletion avoids carrying redundant data in the database.

The DA (Date of Entry) Field

When the NHPIC records were added with the May 1983 update, they lacked the DA (Date of Entry) field. If a search included a range statement, these records were automatically excluded from the retrieval. Now all NHPIC records carry a DA value of 830324, and the warning about ranging on DA with regard to the NHPIC records has been retracted.

Manual Replacement Pages

These changes are reflected in the replacement pages for the HEALTH chapter of the Online Services Reference Manual, which are enclosed with this issue.

*****

SEARCH HINT: USING DATA FORM ABBREVIATIONS

Thelma Charen, Index Section, NLM

Data Form abbreviations are short forms of Medical Subject Headings (MeSH) used in indexing and searching MEDLINE and other databases in the MEDLARS system that use MeSH. Searchers can save key strokes, and therefore, time by taking advantage of these shortened forms. Short forms also lessen the chances of misspelling at input.

A short form can be used when it stands alone or when it appears within a MeSH term. That is, PREGNANCY can be searched by the Data Form abbreviation PREGN but in addition all terms containing the word PREGNANCY can be shortened: the MeSH heading PREGNANCY TESTS can be entered as PREGN TESTS.

The Data Form abbreviations are generally indicated in the MeSH annotation by "DF:" followed by the shortened form. Some of the easily memorized or heavily used Data Form abbreviations, however, are not noted in the annotation (for example, NEOPLASMS, which has been entered consistently as NEOPL).

Further discussion of Data Form abbreviations can be found in Medical Subject Headings, Annotated Alphabetic List, 1984, pages VII-IX.

Following is a list of the common Data Form abbreviations in use for 1984. They apply to major and minor descriptors as well as entry terms, i.e., main headings, see unders, and see references. Data Form abbreviations do not apply to Pre-explosions.

LONG FORM	SHORT FORM
ADRENERGIC	ADREN
AGONISTS	AG
Conjunction AND	omit AND and whatever follows
BLOCKADERS, BLOCKING, BLOCKERS	BLOCK
CAPACITY	CAPAC
COENZYME A	COA
COMPOUNDS	CPDS
CONCANAVALIN A	CON A
DEPARTMENT(S) [Refers mostly to hospital departments. Government departments frequently have much simpler Data Forms; see terms beginning 'UNITED STATES' for examples.]	DEP
DISEASE(S) DISORDER(S)	DIS
ELECTROENCEPHALOGRAPHY	EEG
ERRORS	ERR
HOMOLOGOUS	HOMOL
HOSPITAL(S)	HOSP
terms ending in -IC or -ICAL	endings may be used interchangeably
stem IMMUNOGLOBULIN-	IG
stem INFECT-	INFECT
INHIBITOR(S)	INHIB
INTRAOPERATIVE	INTRAOP

LONG FORM	SHORT FORM
stem NEOPL-	NEOPL
PEROPERATIVE	PEROP
POSTOPERATIVE	POSTOP
PREGNANCY	PREGN
PREOPERATIVE	PREOP
PROSTAGLANDIN(S)	PG
RECEPTORS	RECEPT
stem STREPTOCOCC-	STREP
SUBVALVULAR	SUBVALV
SYNTHETIC	SYN
UNITED STATES (U.S.)	omit
terms containing parentheses [except for IMMUNOSUPPRESSION (PHYSIOLOGY) and DESENSITIZATION (PSYCHOLOGY); must use IMMUNOSUPPRESSION PHYSIOL to avoid confusion with IMMUNOSUPPRESSION and DESENSITIZATION PSYCHOL to avoid confusion with DESENSITIZATION, IMMUNOLOGIC]	omit parenthetical portion of term
terms containing hyphen [see references not routinely changed]	omit hyphen
terms containing 'S, S', 'T, and Z'	omit ending ' or ' and what follows
terms containing a word existing as an indexing subheading abbreviation [indexing subheading abbreviations are not the same as those used in searching; see the list on pages XLVIII-XLIX of the 1984 Annotated MeSH]	use subheading abbreviation

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CORRECTIONS TO ANNOTATIONS: MEDICAL SUBJECT HEADINGS, ANNOTATED ALPHABETIC LIST, 1984

Thelma Charen, Indexing Section, NLM

The following corrections to the annotations in Medical Subject Headings, Annotated Alphabetic List, 1984 were made after the publication deadline this summer. All will be included in the 1985 edition. You may wish, however, to make appropriate changes to your 1984 MeSH in order to benefit from the information during the upcoming year.

DIABETES MELLITUS, INSULIN-DEPENDENT

correct "maturity onset which goes under DIABETES MELLITUS" to read "maturity onset which goes under DIABETES MELLITUS, NON-INSULIN-DEPENDENT"

HAND DERMATOSES

"specific diseases" should read "specific skin diseases"

INSULIN

"INSULIN INFUSION SYSTEM" should read "INSULIN INFUSION SYSTEMS"

KIDNEY

Goldblatt kidney: index under HYPERTENSION, RENAL
should read HYPERTENSION, RENOVASCULAR

LANGUAGE THERAPY

delete /man from the permitted subheadings: it is not permitted with this category

ORTHOPEDICS

the Manual reference should read 26.26, not 26

PATIENT ISOLATORS

delete /instrum from among the permitted subheadings: it is not permitted with this category

PHYSICIANS' ASSISTANTS

mention of paramedics should be made to read "PARAMEDICS see ALLIED HEALTH PERSONNEL is available"

PREOPERATIVE CARE

add this note which appears under ANTIBIOTICS & under PREMEDICATION: "preop use of antibiotics for prev of infect: index under PREMEDICATION (IM) + the antibiotic /ther use (IM) & not here"

RISK-TAKING

delete the present subheading permission: it is not legal by category. Say instead "no qualif"

The cataloging annotation, CATALOG: /geog /form should be removed from the following list of headings:

CANCER CARE FACILITIES
CARDIAC CARE FACILITIES
HOSPITALS, CHRONIC DISEASE
HOSPITALS, COUNTY
HOSPITALS, DISTRICT
HOSPITALS, FEDERAL
HOSPITALS, GROUP PRACTICE
HOSPITALS, MATERNITY
HOSPITALS, MILITARY
HOSPITALS, MUNICIPAL
HOSPITALS, OSTEOPATHIC
HOSPITALS, PACKAGED
HOSPITALS, PEDIATRIC
HOSPITALS, PROPRIETARY
HOSPITALS, SATELLITE
HOSPITALS, STATE
HOSPITALS, UNIVERSITY
HOSPITALS, VOLUNTARY

*****

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - NOVEMBER 1983
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. 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.

ACUPUNCTURE RESEARCH QUARTERLY
1,1982?--
CHINESE ACUPUNCTURE SCIENCE RESEARCH FOUNDATION (CARF)
TAIPEI TAIWAN
ACUPUNCTURE RESEARCH QUARTERLY CARF, P.O. BOX 84-223, TAIPEI TAIWAN R.O.C.
ON ORDER
A11830000

IM BELGISCH TIJDSCHRIFT VOOR TANDHEELKUNDE
38N3,JUN 1983--
UITGEVERIJ INTERSCHRIPT
CONTINUES: REVUE BELGE DE MEDECINE DENTAIRE.
DEURNE BELGIUM
AVE DE JETTE 165,1090 BRUSSELS, BELGIUM
IN PROCESS
B04161000

COMPUTING PHYSICIAN
1,1983--
PW COMMUNICATIONS
NEW YORK UNITED STATES
PW COMMUNICATIONS,515 MADISON, NEW YORK NY 10022
ON ORDER
C36510000
$80.00

DISCOVERIES IN PHARMACOLOGY
1,1983--
ELSEVIER
AMSTERDAM NETHERLANDS
ON ORDER
D16135000
$120.00

HEALTH CARE STRATEGIC MANAGEMENT
1N1,OCT 1983--
CHI SYSTEMS
ANN ARBOR MI UNITED STATES
HEALTH CARE STRATEGIC MANAGEMENT, CHI SYSTEMS INC. P.O. 8626, ANN ARBOR MI 48107
IN PROCESS
H04305000
$40.00

JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS
1N1,OCT 1983--
ADENINE PRESS
GUILDERLAND NY UNITED STATES
ADENINE PRESS, JOURNAL DIVISION, P.O. BOX 340 GUILDERLAND NY 12084
IN PROCESS
J14645000
$190.00

LENS RESEARCH
1N1/1,1983--
MARCEL DEKKER
1983 COMPLETE IN 3 ISSUES.
NEW YORK UNITED STATES
MARCEL DEKKER,P.O.BOX 11305,CHURCH STREET STATION,NEW YORK NY 10249
IN PROCESS
L05853000
$125.00

MELANOMA LETTER
1N1,FALL 1982-
SKIN CANCER FOUNDATION
NEW YORK UNITED STATES
ON ORDER
M27170000

RECENT ADVANCES IN CARDIAC ARRHYTHMIAS
1,1983?--
JOHN LIBBEY
LONDON ENGLAND
JOHN LIBBEY AND COMPANY LTD, 80/84 BONDWAY, LONDON SW8 1SF ENGLAND
ON ORDER
R05590000

SOCIOECONOMIC PROFILE ON THE AMERICAN PHYSICIAN
1983--
AMERICAN MEDICAL ASSOCIATION
CHICAGO UNITED STATES
ORDER DEPT., AMERICAN MEDICAL ASSOCIATION, P.O.BOX 10946, CHICAGO IL 60610
ON ORDER
S29990000

SPORTS MEDICINE
1,1983--
ADIS PRESS PUBLICATIONS
WANCHAI HONG KONG
US SUBSCRIPTIONS:ADIS PRESS INTERNATIONAL,401 SOUTH STATE ST,NEWTOWN PA 18940
ON ORDER
S36237000
$95.00

TRAVEL AND TRAFFIC MEDICINE INTERNATIONAL
1,1983--
B EDSALL
LONDON ENGLAND
B EDSALL, 124 BELGRAVE ROAD, LONDON SW1V 2BL, LONDON
IN PROCESS
T20030000

IM ZEITSCHRIFT FUR KLINISCHE PSYCHOLOGIE, PSYCHOPATHOLOGIE UND PSYCHOTHERAPIE
31,1983--
VERLAG KARL ALBER
CONTINUES: ZEITSCHRIFT FUR KLINISCHE PSYCHOLOGIE UND PSYCHOTHERAPIE.
MUNCHEN GERMANY, WEST
VERLAG KARL ALBER, SPARKASSENSTRASSE 4, 8 MUNCHEN 2, GERMANY FDR
IN PROCESS
Z04110000

*****

---PLEASE TYPE NEWS TO SEE MOST RECENT NEWS ITEMS ONLINE---

APPENDIX A

PRE-EXPLOSIONS BY CATEGORY

NOTES: All Pre-explosions work in MEDLINE, its backfiles, and HEALTH.
Pre-explosions must be searched as NAME (PX), e.g.:
CARDIOVASCULAR SYSTEM (PX)
*CARDIOVASCULAR SYSTEM (PX)
Remember to disguise the word AND in PX names, e.g.:
MOUTH A#D TOOTH DISEASES (PX)
Subheadings can be searched with Pre-explosions only by "free-floating," e.g.:
BACTERIA (PX) AND IP (SH)

CATEGORY	TREE NUMBER	PRE-EXPLOSION NAME (PX)
Category A		
	A7	CARDIOVASCULAR SYSTEM
	A8	NERVOUS SYSTEM
	A8.186	CENTRAL NERVOUS SYSTEM
	A8.186.211	BRAIN
	A11	CELLS
Category B		
	B2	VERTEBRATES
	B2.649	MAMMALS
	B2.649.865	RODENTIA
	B3	BACTERIA
	B4	VIRUSES
	B4.909	VERTEBRATE VIRUSES
Category C		
	C1.252	BACTERIAL INFECTIONS
	C2	VIRUS DISEASES
	C4	NEOPLASMS
	C6	DIGESTIVE SYSTEM DISEASES
	C7	MOUTH AND TOOTH DISEASES
	C8	RESPIRATORY TRACT DISEASES
	C10	NERVOUS SYSTEM DISEASES
	C10.228	CENTRAL NERVOUS SYSTEM DISEASES
	C10.597	NEUROLOGIC MANIFESTATIONS
	C14	CARDIOVASCULAR DISEASES
	C14.280	HEART DISEASES
	C14.907	VASCULAR DISEASES
	C18.452	METABOLIC DISEASES
	C21.866	WOUNDS AND INJURIES
	C23.888	SIGNS AND SYMPTOMS

CATEGORY	TREE NUMBER	PRE-EXPLOSION NAME (PX)
Category D		
	D1.552	METALS
	D4.808	STEROIDS
	D6.472	HORMONES
	D8.586	ENZYMES
	D9.203	CARBOHYDRATES
	D10.516	LIPIDS
	D12.776	PROTEINS
	D12.776.124	BLOOD PROTEINS
	D18	CARDIOVASCULAR AGENTS
	D20.85	ANTIBIOTICS
	D24.611	IMMUNOLOGIC FACTORS
Category E		
	E1.223	DIAGNOSIS, LABORATORY
	E4	SURGERY, OPERATIVE
	E5	MISCELLANEOUS TECHNICS
	E5.196	CHEMISTRY, ANALYTICAL
	E6	DENTISTRY
	E7	EQUIPMENT AND SUPPLIES
Category F		
	F1	BEHAVIOR AND BEHAVIOR MECHANISMS
	F1.145	BEHAVIOR
	F2	PSYCHOLOGIC PROCESSES PRINCIPLES
	F3	BEHAVIORAL AND MENTAL DISORDERS
	F3.709	MENTAL DISORDERS
Category G		
	G4.610	IMMUNITY
	G5	GENETICS
	G6	BIOCHEM PHENOM METAB
	G7	PHYSIOLOGY, GENERAL
	G8	REPRODUCTION, UROGENITAL PHYSIOLOGY
	G9	CIRCULATORY, RESPIRATORY PHYSIOLOGY
Category N		
	N2.278	HEALTH FACILITIES
	N2.421	HEALTH SERVICES
	N4.452	ORGANIZATION AND ADMINISTRATION
Category Z		
	Z1.107.567.875 (ZN)	UNITED STATES [AS PLACE OF PUBLICATION]
	Z1.107.567.875 (MN)	UNITED STATES MC [AS MESH HEADING]