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Coming Attractions - ELHILL 1995

New Databases:

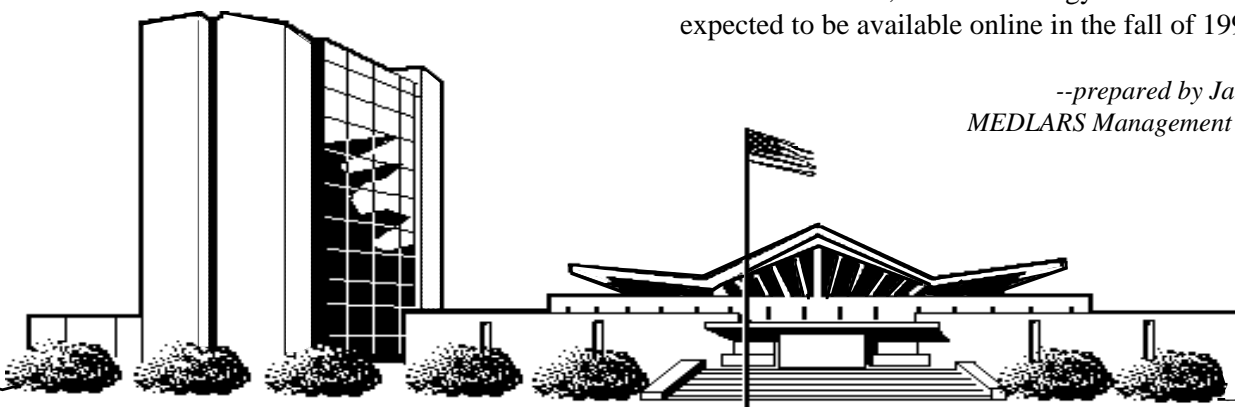
HSRPROJ

A new database, HSRPROJ (Health Services Research Projects), is scheduled to be available online in early 1995. This database, similar in structure to DENTALPROJ, will contain information on over 1,600 ongoing research projects in health services research which are funded by both public and private organizations and agencies.

SPACELINE

SPACELINE is a new ELHILL database being developed by the collaborative efforts of the National Aeronautics and Space Administration (NASA) and the National Library of Medicine. It will contain citations from MEDLINE, CATLINE, and AVLINE, as well as unique references prepared by NASA pertaining to the health and productivity of humans in space, the physical and psychological effects of gravity and the space environment of living systems, applications of space life sciences research, and exobiology. SPACELINE is expected to be available online in the fall of 1995. □

--prepared by Jan Willis
MEDLARS Management Section



**NLM
TECHNICAL
BULLETIN**

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**CONTENTS
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The NLM Technical Bulletin is
an administrative document
sent to formal members of
NLM's MEDLARS Online
Network.

MEDLARS® DATABASE	TOTAL RECORDS	DATES COVERED	DATE UPDATED	UPDATE TAG
ELHILL® COMPUTER				
AIDSDRUGS	217		17 SEP 94	9409(EM)
AIDSLINE®*	102,514	JAN 80-DEC 94	15 OCT 94	9412(EM)
AIDSTRIALS	629		15 OCT 94	9410(EM)
AVLINE®	27,825	THRU OCT 94	14 OCT 94	
BIOETHICSLINE®	43,449	JAN 73-JUN 94	24 SEP 94	9408(EM)
BIOTECHSEEK	5,287	JAN 90-NOV 94	01 OCT 94	9411(EM)
CANCERLIT®	1,072,021	JAN 63-OCT 94	01 OCT 94	9410(EM)
CATLINE®	736,335	THRU OCT 94	14 OCT 94	
CHEMID	267,994		06 FEB 93	
CHEMLINE®	1,258,634		10 MAR 94	9402(EM)
DENTALPROJ™	821		02 AUG 94	
DIRLINE®	15,724		25 JUN 94	
DOCUSER®	14,128		15 OCT 94	
HEALTH	768,225	JAN 75-NOV 94	01 OCT 94	9411(EM)
HISTLINE®	146,758		15 OCT 94	9412(EM)
HSTAR**	1,443,990	1985-DEC 94	15 OCT 94	9412(EM)
MEDLINE®***	1,310,496	JAN 91-DEC 94	15 OCT 94	9412(EM)
MED89	743,883	JAN 89-DEC 90	27 JUN 94	
MED85	1,319,067	JAN 85-DEC 88	30 APR 94	
MED80	1,388,746	JAN 80-DEC 84	11 JUN 94	
MED75	1,278,788	JAN 75-DEC 79	10 JUL 94	
MED66	1,986,294	JAN 66-DEC 74	09 JUL 94	
MESH VOCABULARY FILE®	97,200	1994	15 OCT 94	
NAME AUTHORITY FILE®	552,406		08 OCT 94	
PDQ®		THRU OCT 94	03 OCT 94	
POPLINE®	212,555	1970-OCT 94	08 OCT 94	9410(EM)
SDILINE®	28,323	NOV 94	24 SEP 94	9411(EM)
SERLINE®	84,741	THRU SEP 94	12 OCT 94	9410(EM)
TOXLINE®	1,334,470	1981-1994	08 OCT 94	9410(EM)
TOXLINE65	707,146	PRE 1965-1980	30 APR 94	
TOXLIT®	1,334,701	1981-1994	08 OCT 94	9410(EM)
TOXLIT65	586,405	1965-1980	01 SEP 87	
*	AIDSLINE: PART 3 OF 5 FOR 9412 (EM) WEEKLY UPDATE			
**	HSTAR: PART 3 OF 5 FOR 9412 (EM) WEEKLY UPDATE			
***	MEDLINE: PART 3 OF 4 FOR 9412 (EM) WEEKLY UPDATE			
TOXNET® COMPUTER				
CCRIS	6,044		06 OCT 94	
DART™	21,950		13 OCT 94	
EMIC	8,739		04 OCT 94	
EMICBACK	75,886		04 APR 94	
ETICBACK	49,591		04 APR 94	
GENE-TOX	2,960		06 JUN 94	
HSDB®	4,493		13 OCT 94	
IRIS	663		09 AUG 94	
RTECS®	126,600		10 AUG 94	
TRI87	80,136		11 MAY 94	
TRI88	87,151		11 MAY 94	
TRI89	86,812		11 MAY 94	
TRI90	86,041		05 MAY 94	
TRI91	83,876		12 APR 94	
TRI92	81,075		25 APR 94	
TRIFACTS	326		10 APR 92	

Technical Notes

NTIS Standing Order Service

As was reported briefly in the last issue of the *Technical Bulletin*, the National Technical Information Service (NTIS) has extended its standing order subscription service to NLM search tools.

Please note that there is not a handling fee for a standing order subscription, but a handling fee is charged for single demand orders placed with NTIS. Unlike a subscription, a standing order has no expiration date. Once a standing order is placed, NTIS will continue to mail publications until a written request for cancellation is received from the customer. The NTIS standing order service requires an NTIS deposit account or a credit card number to which publications are charged as they are received and shipped by NTIS. To open an NTIS deposit account if one is not already established, a minimum deposit is required. Please contact the NTIS Subscription Section (703-487-4630) to determine the amount. Deposit account statements provide a listing of items shipped and charged each month and the remaining balance on hand. Regular replenishment of the deposit account will ensure continued receipt of all issuances.

All requests to establish standing orders must be made in writing. The customer should specify which titles are to be included in the standing order, and mail or fax the request to:

National Technical Information Service
Attn: Subscription Section
5285 Port Royal Road
Springfield, VA 22161
Fax: 703-321-8547

Following is order information for four 1995 MeSH Tools and the *List of Serials Indexed for Online Users (LSIOU)*, which are available from NTIS. Please note that for your convenience, we have repeated some information (single demand order number and price) that appeared in the July-August 1994 *Technical Bulletin*. The new standing order information is in boldface type. If customers have questions, they may call the NTIS Subscription Section at 703-487-4630.

Medical Subject Headings -- Annotated Alphabetic List, 1995

Note: The 1995 MeSH was printed on a higher quality paper stock, regrettably resulting in a larger volume.

New NTIS Standing Order Number: PB95-964800

Single Demand Order Number: PB95-964801
Hardcopy Price: \$42.00 (U.S./Canada/Mexico)
\$84.00 (other countries)
Microfiche Price: \$24.00 (U.S./Canada/Mexico)
\$48.00 (other countries)

Medical Subject Headings -- Tree Structures, 1995

New NTIS Standing Order Number: PB95-964900

Single Demand Order Number: PB95-964901
Hardcopy Price: \$39.00 (U.S./Canada/Mexico)
\$78.00 (other countries)
Microfiche Price: \$18.00 (U.S./Canada/Mexico)
\$36.00 (other countries)

Medical Subject Headings -- Supplementary Chemical Records, 1995

New NTIS Standing Order Number: PB95-965000

Single Demand Order Number: PB95-965001
Hardcopy Price: \$50.00 (U.S./Canada/Mexico)
\$100.00 (other countries)
Microfiche Price: \$23.00 (U.S./Canada/Mexico)
\$46.00 (other countries)

Permuted Medical Subject Headings, 1995

New NTIS Standing Order Number: PB95-965100

Single Demand Order Number: PB95-965101
Hardcopy Price: \$35.00 (U.S./Canada/Mexico)
\$70.00 (other countries)
Microfiche Price: \$17.00 (U.S./Canada/Mexico)
\$34.00 (other countries)

List of Serials Indexed for Online Users, 1995 (LSIOU)

New NTIS Standing Order Number: PB95-965200

Single Demand Order Number: PB95-965201
Hardcopy Price: \$24.00 (U.S./Canada/Mexico)
\$48.00 (other countries)
Microfiche Price: \$12.50 (U.S./Canada/Mexico)
\$25.00 (other countries)

Closing Date for Submission of New or Changed 1996 MeSH Headings

The MeSH Section of the NLM considers all suggestions for Medical Subject Heading (MeSH) additions and changes annually. Users are encouraged to send suggestions and comments to the following NLM MeSH Heading Suggestion e-mail address: meshsugg@nlm.nih.gov. The SUGGESTION FOR MEDICAL SUBJECT HEADINGS CHANGE form (Appendix C of the January-February 1994 *Technical Bulletin*) may also be used to make suggestions. The closing date for suggested new or changed terms for the 1996 vocabulary has been moved to February 15, 1995. This allows additional time after NLM staff finalize the terminology for the printing cycle so that the hardcopy publications are available in the Fall. Indexing with the new vocabulary starts in November for the January Entry Month.

Additional Meeting Abstracts Added to AIDSLINE

NLM added 3,335 abstracts from the Tenth International Conference on AIDS/International Conference on STD to AIDSLINE in October, 1994. The Conference, entitled "The Global Challenge of AIDS: Together for the Future," was held in Yokohama, Japan, August 7-12, 1994. NLM also added 172 abstracts from the Fifth Annual Conference of the Australasian Society for HIV Medicine in October, 1994. The Fifth Annual Conference of the Australasian Society for HIV Medicine was held in conjunction with the National Centre for HIV Virology Research conference in October, 1993. Abstracts from the Sixth Annual Conference, which is scheduled for November, 1994 will be added to AIDSLINE in early 1995.

The Secondary Source Identifier (SI) value for the Tenth International Conference on AIDS/International Conference on STD abstracts is ICA10. The SI value for the Fifth Annual Conference of the Australasian Society for HIV Medicine is ASHM5. To limit to citations from either of these conferences, type the SI value at any user prompt or "and" the SI value with a search statement or search statement number. For example:

1 and ICA10 (si)

As with previous meeting abstracts, the full information provided in the printed conference abstract books (from which the citations are taken) is included with the online citation. This includes author(s), title, abstract number, abstract, and address. Copies of whole presentations are not available from NLM or other libraries via interlibrary loan.

Notice to AIDSLINE Automatic SDI Subscribers

Since the 9311 Entry Month (EM) of NLM data, conference abstracts have been included with the printed results of AIDSLINE Automatic SDIs. An announcement is placed on the last three lines of the first page of each Automatic SDI printout (in the "banner") to give one month's advance notice for each set of special conference meeting abstracts to be included the following month. To exclude abstracts of a conference, the last line of the final SDI search statement may be altered. For example, to exclude abstracts from the Tenth International Conference on AIDS/International Conference on STD:

1. Display and print your existing stored strategy.
2. PURGESEARCH the existing stored strategy.
3. Check online (DISPLAY searchname) the next day to verify the strategy has been purged.
4. Re-key the strategy after a STORESEARCH command, **and add the following to your final search statement:**

and not ICA10 (si)

Remember that searches are purged or stored overnight. If the same name was used, the old strategy must have been purged before successfully reusing the name for a new or changed strategy.

NOTE: You can purge and store on the same day if you are sure to make the name of the new stored search different. It is sufficient to vary the name of the search **by one character (letter or number)** to make the new name unique.

If you prefer to exclude all meeting abstracts from your AIDSLINE Automatic SDI, including those from the

CANCERLIT updates, **add the following to your final search statement:**

and not meeting abstract (pt)

If you have any questions or concerns, please contact the MEDLARS Management Section by e-mail, mms@nlm.nih.gov; by fax, 301-496-0822; or by phone, 1-800-638-8480 (press "1," press "4").

Database Update Schedules, 1995
Database Update Frequency Chart, 1995
NLM Service Desks Holiday Schedule, 1995

The NLM database update schedules, update frequency chart, and computer holiday schedule for 1995 are published as Appendixes A, B, C, D, and E. The information is produced in a manner so that the pages may be removed from this issue and posted near a searcher's terminal.

Internet-Accessible Resources Fact Sheet from the National Library of Medicine

It has come to our attention that several e-mail requests for electronic copies of the fact sheet entitled "National Library of Medicine (NLM) Internet-Accessible Resources" were not successfully delivered. This fact sheet describes services that NLM makes available through basic Internet processes, such as telnet and ftp (file transfer protocol), or through software clients such as gopher for gopher servers and Mosaic for World Wide Web servers. If you requested, but did not receive, a copy, or, if you would like to order one, please send an e-mail message to publicinfo@occhost.nlm.nih.gov. Specify ASCII (Internet.txt), PostScript (Internet.ps), or both. Single print copies or bulk orders of the fact sheet are also available at no charge from the Office of Public Information, National Library of Medicine, Bethesda, MD 20894.

Search Hint: Chemical List from IRIS

How does a user generate a list of the chemicals in the IRIS databank? Following is a suggested strategy:

greater than 0 (irsn)

This strategy retrieves all IRIS records with a unique IRIS Identifier Number (IRSN) greater than zero (i.e., all of them).

A user may then issue any print command, such as:

prt name rn only

To sort the records requires an offline print. Since IRIS has over 500 records, one possible offline sorted print command is:

prt offline name rn only sort name

For questions or additional information about IRIS or other TOXNET files, please contact the NLM Toxicology Information Program. The e-mail address is toxmail@tox.nlm.nih.gov. A reply will be sent to a user's e-mail address unless a phone number with a request for a phone call is included with the query. The Toxicology Information Program phone number is 301-496-6531.

Online Codes Map

A new Online Codes map showing distribution of code holders within the United States is provided as Appendix F.

New Bioethics Consultation Paper Available

The National Reference Center for Bioethics Literature at Georgetown University's Kennedy Institute of Ethics has published *Religious Perspectives on Bioethics*, Part 1, Scope Note 25 of their Scope Note Series. The first of a two-part work, this Scope Note provides bibliographic citations to literature about the diverse and divergent attitudes religion can bring to bioethical issues. It is organized by religions (African religious traditions, Baha'i Faith, Buddhism and Confucianism, Eastern Orthodoxy, Hinduism, Islam, Jainism, and Judaism), and arranged alphabetically. Part 2 will appear in the December 1994 *Kennedy Institute of Ethics Journal*, and will present citations to Native American religious traditions, Protestantism, and Roman Catholicism.

Scope Note 25, by Laura Jane Bishop and Mary Carrington Coutts, also appears in the *Kennedy Institute*

of *Ethics Journal* 1994 Jun;4(2):155-183. A separate 21-page reprint of this Scope Note, with the complete list of titles in the series, is available for \$5.00 prepaid from the Kennedy Institute. Add \$3 per copy for airmail outside North America.

The Scope Note Series offers an overview to topics in biomedical ethics and provides immediate reference to facts, opinions, and law and public policy (if applicable). All sources cited in Scope Notes are included in the collection of the National Reference Center for Bioethics Literature, and may be obtained through its document

delivery service (subject to copyright law). Updates to topics covered in the Scope Note Series may be obtained by searching the BIOETHICSLINE database or by calling the National Reference Center for Bioethics Literature. Requests or questions should be directed to:

National Reference Center for Bioethics Literature
Kennedy Institute of Ethics
Georgetown University
Washington, DC 20057-1065
800-MED-ETHX or 202-687-6738 □

Late-Breaking Coming Attractions

- **National Library of Medicine Access Gateway**

This new feature will provide searchers with a seamless gateway to all subsystems on the MEDLARS computers. The menu will provide selections to gate directly to ELHILL, PDQ, TOXNET, DOCLINE, etc. It is hoped that within the year we will also offer selections for users to change your address and an option for new users to obtain a code and password to the MEDLARS system and purchase Grateful Med if desired. This new enhancement will also provide a direct gateway to PDQ from ELHILL or vice versa using the FILE command. For example, you could gate from CANCERLIT to PDQ by issuing the direct command of FILE PDQ. This new feature is not yet fully tested nor is an implementation date set. Stay tuned for further information in the *Technical Bulletin* and in the online NEWS. This advance announcement is to alert you to a planned enhancement that may affect your login procedure (automatic login scripts may need to be adjusted).

- **Proximity Searching in ELHILL**

The National Library of Medicine anticipates that with the new system implementation on December 12, we will introduce proximity searching in ELHILL. Three new operators, NEAR, ADJ (for adjacent) and CONTAINS will make it possible to scan field(s) in records for concepts located within individual sentences. This new feature mimics the stringsearching capability on ELHILL building on its strengths while utilizing a user-friendly syntax. Stay tuned for information in the November-December *Technical Bulletin* and in the online NEWS.

Year-End Processing

Introduction

Each year, MEDLINE, its Backfiles, and other MEDLARS databases are updated to reflect changes in the Medical Subject Headings (MeSH) vocabulary. These changes in the MeSH terminology reflect the evolving vocabulary of healthcare and biomedical sciences. NLM also makes other changes as required to database records.

Some searchers will have to make changes to their stored searches used for current awareness retrieval in NLM's Automatic SDI Service. Generally, Grateful Med users do not have to take any direct action as a result of Year-End Processing. All users may be assured that the annual changes to the vocabulary and other changes made to NLM databases serve to improve search retrieval.

MEDLINE Backfile Configuration -- 1995

MEDLINE Backfiles and their years of coverage will change again in 1995. During 1994 Year-End Processing all citations published in 1991 or earlier will be pulled from MEDLINE and placed in the appropriate Backfiles. The primary dates of coverage for MEDLINE and its Backfiles for 1995 will be as follows:

File	Aliases	Coverage
MEDLINE	MED	1992-1995
MED90	M90, BACK90, B90	1990-1991
MED85	M85, BACK85, B85	1985-1989
MED80	M80, BACK80, B80	1980-1984
MED75	M75, BACK75, B75	1975-1979
MED66	M66, BACK66, B66	1966-1974

1995 MeSH

MEDLINE, the MEDLINE Backfiles, SDILINE, HEALTH, and BIOSEEK files are expected to be available online with 1995 MeSH and 9501 Entry Month (EM) data on Monday, December 12, 1994. CANCERLIT will be available online on that date with 1995 MeSH and the 9412 (EM) update. CATLINE and

AVLINE are also expected to be updated with 1995 vocabulary on December 12, 1994. At that time, all searches using MeSH in these databases should conform to any changes introduced with the 1995 Medical Subject Headings.

AIDSLINE is expected to be available with 1995 MeSH and 9501 (EM) data by January 7, 1995. HSTAR will be available online with 1995 MeSH and 9501 (EM) and 9502 (EM) updates a few days after AIDSLINE is available. Other files using MeSH vocabulary (i.e., BIOETHICSLINE, POPLINE, TOXLINE, DENTALPROJ, and AIDSTRIALS) will be maintained for 1995 vocabulary at later dates. Watch future issues of the *Technical Bulletin* and the online NEWS for announcements.

Changes to the MeSH vocabulary for 1995 are reflected in the various lists contained in the introduction to the *Medical Subject Headings-Annotated Alphabetic List, 1995*. This publication is available from the National Technical Information Service (NTIS); order information is provided in this issue on page 3 of the *Technical Notes*. [Editor's Note: See related article, "Coming Attractions - MeSH" in this issue on page 12.]

STORESEARCHes, Automatic SDIs, and Saved Searches

Please review your stored searches, including Automatic SDI stored searches and saved searches, for the impact of any changed and new 1995 MeSH headings. Please refer to the Year-End Processing Schedule on pages 10 and 11 of this issue.

SDILINE Automatic SDI Searches - MEDLINE Database

SDILINE Automatic SDI stored searches requiring revision due to 1995 MeSH vocabulary changes must be deleted and restored by **Thursday, December 1, 1994**, in order to receive correct retrieval against the January SDILINE (9501 (EM)) database. Automatic SDIs for the 9501 (EM) SDILINE will be processed beginning on or about Saturday, December 3, 1994. Searchers should execute their STORESEARCHes online between November 14 and December 1, 1994, to examine retrieval. During this time, the December 1994 SDILINE

file will contain 1995 MeSH terms, so that searchers can run their STORESEARCHes against this revised SDILINE to check correct operation of stored strategies against the new vocabulary. Only SDILINE will have 1995 vocabulary terms on citations during this time period; MEDLINE and other databases will not.

In order to check for the correct operation of stored searches during this designated period, searchers should:

1. Record the number of citations retrieved for each stored search as processed by NLM in the Automatic SDI Program for the December 1994 SDILINE (9412 (EM)) with the **1994** vocabulary. (The number of citations retrieved is listed on the front of each SDI printout received. The name of the stored search is the title of the printout.)

2. Beginning November 14, searchers should go online and run each SDILINE stored search against the December SDILINE, which will contain the same citations but will be indexed to reflect 1995 MeSH vocabulary. (Stored searches are executed by typing the stored search name online qualified by (SN). Be sure you are connected to SDILINE.)

3. Compare the postings retrieved with the records found earlier. If the number of citations (i.e., postings) retrieved is not equal to the number received in the 9412 (EM) SDILINE printouts with **1994** vocabulary, searchers may assume the stored search has been affected by a 1995 vocabulary change.

4. Searchers should also display the strategy. Use the command DISPLAY with the stored search name. Do not use the (SN) qualifier. For example:

```
DISPLAY S601 HEART DISEASE
```

5. Check the terms in your strategy against the various lists of new and replaced MeSH headings which are contained in the introductory section of the *Medical Subject Headings - Annotated Alphabetic List, 1995*. Three of the four lists of new headings ("New Medical Subject Headings with Scope Notes," "New Medical Subject Headings by Subcategory," and "New Medical Subject Headings with Previous Indexing") contain only those headings that were not in the 1994 MeSH. They do not include new forms of existing headings; these appear in the list titled, "Replaced Medical Subject Headings with Replaced-By Headings."

On the list titled "Replaced Medical Subject Headings with Replaced-By Headings - 1995," terms designated as P (Print Entry Term) or N (Non-Print Entry Term) may still be used as search terms and remain in any stored/saved search. Terms designated as C (Supplementary Chemical Term) may remain but must be qualified with (NM). Those terms with no status indicator may not be used as search terms and must be deleted from all stored and/or saved searches.

Tree numbers should be checked in the *Medical Subject Headings - Tree Structures, 1995*. CAS Registry Numbers (RN) and Names of Substances (NM) should be checked in the online NEW MESH database (type FILE NEW MESH) which contains the 1995 MeSH vocabulary. If the strategies are not too long, searchers may want to type them in line-by-line and evaluate any No Postings messages to isolate the problem area.

6. Purge searches requiring changes (PURGESEARCH searchname). For example:

```
PURGESEARCH S601 HEART DISEASE
```

Then store the revised strategy (STORESEARCH searchname). For example:

```
STORESEARCH S601 HEART DISEASE
```

Note: If you purge and store on the same day, be sure to make the name of the new stored search different. It is sufficient to vary the name of the search **by one character (letter or number)** to make the new name unique.

7. All revised SDILINE search strategies for Automatic SDILINE processing should be stored by **December 1, 1994**, to ensure correct processing of your 9501 (EM) SDILINE Automatic SDIs.

Other Databases with SDI Service

Other files which have Automatic SDI Service are HEALTH, CANCERLIT, CATLINE, AVLINE, AIDSLINE, HSTAR, POPLINE, BIOETHICS, and TOXLINE. These do not have an equivalent of SDILINE; therefore, it is not possible to follow the procedures described above for the SDILINE database. You should carefully review any strategies you may have stored for execution by NLM against these databases for possible vocabulary revisions and restore them by the dates listed below.

HEALTH and CANCERLIT SDIs

The HEALTH and CANCERLIT databases are also expected to be updated with 1995 MeSH vocabulary on December 12, 1994. Review and restore any affected searches by December 9. The 9501 (EM) HEALTH update, and the 9412 (EM) CANCERLIT update (which uses 1995 MeSH) will be available online on December 12. NLM plans to run these Automatic SDIs during the week of December 12.

AIDSLINE SDIs

AIDSLINE is expected to be updated with 1995 MeSH and 9501 (EM) data by January 7, 1995. Changes to Automatic SDI stored searches to be run against the AIDSLINE 9501 (EM) should be made no later than December 23, 1994. AIDSLINE Auto SDIs for 9501 (EM) will be processed on or after December 27.

HSTAR SDIs

HSTAR is expected to be updated with 1995 MeSH and 9501 and 9502 (EM) data on or after January 10, 1995. Changes to Automatic SDI stored searches to be run against HSTAR 9501 (EM) should be made no later than this date. HSTAR Auto SDIs for 9501 and 9502 (EM) will be processed on or after January 12, 1995.

CATLINE and AVLINE SDIs

The CATLINE and AVLINE databases are also expected to be updated with 1995 vocabulary on December 12,

1994. Changes to Automatic SDI stored searches run against these databases should be made no later than December 30, 1994. Automatic SDIs for these databases (with December 1994 dates of entry) are scheduled to be processed on or about January 2, 1995.

POPLINE SDIs

POPLINE SDI stored searches should not be changed yet. Please see future issues of the *Technical Bulletin* and the online NEWS for announcements about the introduction of the 1995 vocabulary.

TOXLINE SDIs

TOXLINE contains MeSH vocabulary on records in the TOXBIB and BIOSIS subfiles. Stored search strategies for TOXLINE that contain MeSH headings should be reviewed for 1995 MeSH vocabulary changes. Any changes to these strategies should be reviewed and restored by December 6, 1994. NLM plans to run TOXLINE/TOXLIT Automatic SDIs against 9412 (EM) data on December 8, 1994.

Beginning with the 9412 (EM) TOXLINE update in December, records added to both the TOXBIB and the BIOSIS subfiles will contain 1995 MeSH. 1994 MeSH terms will remain on TOXBIB and BIOSIS records from earlier entry months until the entire TOXLINE file is regenerated sometime in February or March 1995. Watch the ELHILL online NEWS and the *Technical Bulletin* for the date of the regeneration.

Year-End Processing Schedule: File Updates and Automatic SDIs

- October 22, 1994:** December 1994 MEDLINE/SDILINE 9412 (EM) with 1994 MeSH vocabulary available online.
- November 12-13, 1994:** SDILINE unavailable in order to implement this database with 1995 MeSH vocabulary.
- November 14 - December 9, 1994:** December 1994 SDILINE available, containing 9412 (EM) data with 1995 MeSH. STORESEARCHes should be executed online.
- December 1, 1994:** Last day to revise and restore strategies in time for 9501 (EM) SDILINE Automatic SDIs.
- December 3, 1994:** The 9501 (EM) SDILINE Automatic SDIs are expected to be processed on or about this date.
- December 6, 1994:** Last day to revise and restore strategies in time for 9412 (EM) TOXLINE/TOXLIT Automatic SDIs.
- December 8, 1994:** The 9412 (EM) TOXLINE/TOXLIT Automatic SDIs are expected to be processed on or about this date.
- December 9, 1994:** Last day to revise and restore strategies in time for 9501 (EM) HEALTH and 9412 (EM) CANCERLIT Automatic SDIs.
- December 10-11, 1994:** The NLM computer will be unavailable for searching over this weekend so that the 1995 MEDLINE, SDILINE, HEALTH, CANCERLIT, BIOSEEK, CATLINE, and AVLINE databases and MEDLINE Backfiles may be installed. PDQ and DOCLINE will also be down. The TOXNET computer is unaffected.
- Note: If the installation of the 1995 databases proceeds smoothly, it is possible that the computer will be brought back online early, that is, on either December 10 or 11, with the 1995 databases ready for searching. These dates are provided as guidelines so searching schedules may be planned.
- December 12, 1994:** Maintained MEDLINE and HEALTH databases available online with 9501 (EM) update data. 9501 (EM) SDILINE available online. The CANCERLIT database class-maintained and updated through 9412 (EM) should also be available online on this date. These databases, the MEDLINE Backfiles, BIOSEEK, CATLINE and AVLINE should be searched using 1995 MeSH vocabulary.
- December 12, 1994:** The 9501 (EM) HEALTH and 9412 (EM) CANCERLIT Automatic SDIs are expected to be processed on or about this date.
- December 23, 1994:** Maintained AIDSLINE available online with 9501 (EM) data and 1995 MeSH. Last day to revise and restore strategies for AIDSLINE 9501 (EM) Automatic SDIs.
- December 27, 1994:** 9501 (EM) AIDSLINE Automatic SDIs are expected to be processed on or about this date.
- December 30, 1994:** Last day to revise and restore strategies in time for December 1994 CATLINE and AVLINE Automatic SDIs.

- December 31, 1994:** The 9502 (EM) SDILINE Automatic SDIs will be processed on or about this date.
- January 2, 1995:** December 1994 CATLINE and AVLINE Automatic SDIs will be processed on or about this date.
- January 10, 1995:** Maintained HSTAR available online with 9501 and 9502 (EM) data. Last day to revise and restore strategies in time for 9501 and 9502 (EM) HSTAR Automatic SDIs.
- January 12, 1995:** 9501 and 9502 (EM) HSTAR Automatic SDIs and 9502 (EM) AIDSLINE Automatic SDIs will be processed on or about this date. □

*--prepared by Vivian Auld and Jan Willis
MEDLARS Management Section*

Coming Attractions - MeSH

Targeted Subject Areas for Expanded and Updated Coverage

Over 400 new headings have been added to MeSH for the 1995 indexing and searching year. Five areas deserve particular mention:

1. Space Life Sciences: As part of the cooperative agreement between NLM and the National Aeronautics and Space Administration (NASA) to establish a database devoted to the space life sciences, over 60 new headings pertinent to research and exploration in this area were created. A significant effort was put forth by NASA contractors in identifying concepts of importance in journals, technical reports, and other sources that will form the core of the new database. Many of the 1995 headings issuing from this project have application outside the field of space research as well. This work also contributed to the modification of more than 50 existing MeSH headings to provide scope notes and cross-references incorporating the scope of the space life sciences.

Many of the new headings are grouped into three areas: plant physiology, human physiology, and the environment - terrestrial and extraterrestrial. Plant-associated terms include a new tree array related to plant structure (e.g., PLANT SHOOTS, PLANT ROOTS), plant growth (e.g., GERMINATION, TROPISM), and specific plants (e.g., OATS, SPINACH). Human physiology terminology was enhanced by a number of headings relating to normal, pathological, and physiological effects of space exploration (e.g., SPACE MOTION SICKNESS, WEIGHTLESSNESS COUNTERMEASURES, CARDIOVASCULAR DECONDITIONING). Finally, a number of environmental terms were added, including BIOMASS, EXOBIOLOGY, HYPOGRAVITY, and all of the planets.

2. History of Medicine: At the request of the History of Medicine Division (HMD), MeSH has added 25 headings of special interest to researchers in this field. The new headings are based on suggestions developed and researched by HMD and support the HISTLINE database as well as the indexing of historical articles for *Index Medicus* and MEDLINE. Headings range from diseases of historical significance (such as KING'S EVIL

and SWEATING SICKNESS) through various plants of medicinal or nefarious significance (HEMLOCK, JUNIPER) to cultural and geographical aspects (BYZANTIUM, WITCHCRAFT). Several terms are also relevant to present-day biomedicine, including TERATOLOGY and HINDUISM. Finally, a new chronological division has been created, HISTORY OF MEDICINE, EARLY MODERN. This term covers the period from 1451 to 1600 leaving the long-standing HISTORY OF MEDICINE, MODERN to cover the period from 1601 to the present.

3. Neuropharmacology: A major review and revision of several Category D trees was undertaken as a follow-up to work begun last year for the 1994 MeSH. This year's work resulted in the reorganization of five trees dealing with nervous system pharmacology, condensing them into three cohesive arrays. The basic philosophy establishes hierarchies for the pharmacologic effects of the various drugs based on the systems they affect (e.g., CENTRAL NERVOUS SYSTEM STIMULANTS) and hierarchies for the mechanism by which the various chemicals exert these effects (e.g., SEROTONIN UPTAKE INHIBITORS). Thus, Category D14 now consists of NEUROTRANSMITTERS AND NEUROTRANSMITTER AGENTS (NON MESH); D15 contains CENTRAL NERVOUS SYSTEM AGENTS (arrayed both in terms of the classic stimulants and depressants as well as more functionally in terms of ANTI-ANXIETY AGENTS, ANTI-DYSKINESIA AGENTS, etc.); and D16 collects the PERIPHERAL NERVOUS SYSTEM AGENTS (NON MESH) (divided into AUTONOMIC AGENTS, NEUROMUSCULAR AGENTS, and SENSORY SYSTEM AGENTS (NON MESH)).

4. Systemic Pharmacology: With the condensing of the neuropharmacology terminology from five trees to three, two "empty" trees became available to collect together terms which had heretofore been buried within other larger and more eclectic gatherings. Category D17 is now newly named a rather wordy ANTI-INFLAMMATORY AGENTS, ANTIRHEUMATIC AGENTS, AND INFLAMMATION MEDIATORS (NON MESH). Here are collected in one place all chemicals related to the inflammatory process -- those that cause, those that treat, and those endogenous and exogenous substances that mediate inflammation.

Category D23 is now the home of all DERMATOLOGIC AGENTS. These had been subsumed in part of D26 in the past and now are conveniently grouped together in a single location.

5. Public Health and Health Services Research:

The increasing number of micro-organisms exhibiting resistance to currently available antibiotics has led to the creation of DRUG RESISTANCE, MULTIPLE (complementing the 1994 addition TUBERCULOSIS, MULTI-DRUG RESISTANT). This past year also saw an alarming incidence of illnesses associated with exposure to the hantavirus; two headings have been created to cover articles on this concept, HANTAVIRUS INFECTIONS and HANTAVIRUS PULMONARY SYNDROME. Other terms with public health and/or epidemiologic significance are:

ACCIDENTS, RADIATION
 CD4 LYMPHOCYTE COUNT
 CROSS-OVER STUDIES
 DISEASE-FREE SURVIVAL
 DISEASE NOTIFICATION
 DISEASE PROGRESSION
 DISEASE TRANSMISSION
 DISEASE TRANSMISSION, HORIZONTAL
 DISEASE TRANSMISSION, VERTICAL
 MANDATORY TESTING
 MATERNAL EXPOSURE
 NEEDLE-EXCHANGE PROGRAMS
 PATERNAL EXPOSURE
 RESCUE WORK
 RISK ASSESSMENT
 SAMPLE SIZE
 SEER PROGRAM
 SENTINEL SURVEILLANCE
 STATISTICS, NONPARAMETRIC
 WASTE MANAGEMENT
 WATER PURIFICATION

Terms relevant to socioeconomic or the delivery of health care are:

APACHE
 BATTERED WOMEN
 BLOOD PRESSURE MONITORING,
 AMBULATORY
 BREAST IMPLANTS
 COMMUNITY HEALTH PLANNING
 DEVICE APPROVAL
 FEE-FOR-SERVICE PLANS
 HOME CARE AGENCIES
 HOME CARE SERVICES, HOSPITAL-BASED
 HOME HEALTH AIDES
 HOME INFUSION THERAPY
 HOMEBOUND PERSONS
 HOMELESS YOUTH
 HOSPITAL-PHYSICIAN RELATIONS
 MEDICAL FUTILITY
 MODELS, ECONOMIC
 MONITORING, AMBULATORY
 NUTRITION POLICY

NUTRITIONAL SUPPORT
 PAIN CLINICS
 PATIENT-CENTERED CARE
 PATIENT SELECTION
 PERINATAL CARE
 PERSISTENT VEGETATIVE STATE
 PHYSICIAN SELF-REFERRAL
 PREGNANCY, HIGH-RISK
 PREGNANCY REDUCTION, MULTIFETAL
 REPRODUCTIVE PROFILE
 SICK LEAVE
 SICKNESS IMPACT PROFILE
 SPOUSES
 UTERINE MONITORING

Subheadings

For the first time in several years, two new topical subheadings have been created for 1995: /agonists and /virology. The first, /agonists, has been established for use with drugs and chemicals in Category D and complements the long-existing subheading /antagonists. The second, /virology, completes the grouping of subheadings related to the presence of micro-organisms that already included /microbiology and /parasitology. These have been added to the appropriate places in the subheading pre-explosion arrays (see page I-110 of the 1995 *Annotated Alphanumeric MeSH* or Appendix H of this issue of the *Technical Bulletin*).

Publication Types

Three publication types were added for 1995 and one was deleted. CONTROLLED CLINICAL TRIAL, NEWSPAPER ARTICLE, and TWIN STUDY have been incorporated. CONGRESS was deleted and the concept merged into the previously existing MEETING REPORT. These actions bring to 50 the total number of available publication types (see pages I-18 through I-26 of the 1995 *Annotated Alphanumeric MeSH* for the complete list).

Pre-Explosions

Two additions to the MeSH heading pre-explosion list have been made for 1995. They are AMINO ACIDS and DIAGNOSIS (see pages I-107 through I-109 of the 1995 *Annotated Alphanumeric MeSH* or Appendix G of this issue of the *Technical Bulletin* for a complete listing). □

--prepared by Peri Schuyler
 MeSH Section

Rebuilding CATLINE/AVLINE

The rebuilding of the CATLINE and AVLINE databases in December 1994 primarily involves changes to MeSH headings and the elimination of obsolete fields or data values from the databases.

These changes should appear online on December 12, 1994 if Year-End Processing goes according to schedule.

Data Changes Applicable to CATLINE and AVLINE

1. Changes were made to MeSH Headings (MH) in CATLINE and AVLINE corresponding to the changes made in 1995 MeSH.

2. NLM corrected all of the geographic form subheading terms in the chart shown below from the country term in the left column to the new term in the right column.

3. The values "C" (for indexed materials) and "E" (for fiction) have been deleted from the MARC Indicators (MA) field. The remaining searchable value in this field is "A" for Government Publication.

Data Changes Applicable to CATLINE only

1. The obsolete value of "D" (previously used internally to distinguish document serials) in the Item Type (IT) field has been changed to the value "S" for serial.

2. The Status (ST) field, a field used only for NLM internal processing purposes, has been eliminated. □

*--prepared by Alice Jacobs
Technical Services Division*

Previous Geographic Subheading

Burma
Georgia S.S.R.
Ivory Coast
Kazakh S.S.R.
Kirghiz S.S.R.
Moldavian S.S.R.
Russian S.F.S.R.
South Pacific Islands
Uzbek S.S.R.

1995 MeSH Geographic

Myanmar
Georgia (Republic)
Cote d'Ivoire
Kazakhstan
Kyrgyzstan
Moldova
Russia
Pacific Islands
Uzbekistan

SERLINE Update

New data elements and new values for existing data elements have been recently added to SERLINE. [Editor's note: Data element and field are synonymous and are used interchangeably in this article.]

New Entry Month (EM) Field

The four-character Entry Month (EM) field contains the year and month in YYMM format and is directly searchable. Data in this field indicate the year and month that the record was added to SERLINE, e.g., for titles added as of August 1994, the EM value is 9408. This means that you can now easily locate the titles that have been added to SERLINE during a particular month by searching on the EM. For titles added between November 1978, 7811 (EM), through July 1994, 9407 (EM), the data in this field reflects the date that the title was added to NLM's internal serials database. This date usually, but not always, coincides with the year and month that the title appears in SERLINE. Some SERLINE records will not have any data in the EM field because they predate the time when a Date of Entry field was coded and thus had no data with which to create an Entry Month field.

Date of Entry (DA) and Revision Indicator (RI) Fields

Data in the Date of Entry (DA) field and the value of "A" in the Revision Indicator (RI) field will no longer be used to indicate the date that a title was added to SERLINE. The date in the DA field will reflect when the record was first input into NLM's internal serials system. The Major Revision Date (MR) and RI fields will continue to indicate when a title cessation or change is recorded in SERLINE. The RI value of "R," which indicates if the entry was one of 25,000 records added retrospectively, will also continue to be used.

New Superintendent of Documents Classification Number (SDC) Field

The Superintendent of Documents Classification Number (SUDOCs) has been added to aid those searching for

government documents. The SUDOCs number for the serial is stored in the SDC field. The number is searchable as an element in the Number Index (NX) field. The NX field allows retrieval of special types of numbers in CATLINE, AVLINE, and SERLINE. To search explicitly in the Number Index, the user must use a compressed search string qualified by the mnemonic (NX). (See pages 24-29 of the November-December 1992 *Technical Bulletin* for more information about the Number Index field.) For example, to search for the title with the SUDOC number HZE 123./ABC123, the search would be: HZE123ABC123 (NX). SUDOC numbers can also be identified using the NEIGHBOR command, for example: NBR HE22: (NX).

Changes Relating to Electronic Journals

Several additions have been made to SERLINE to provide information about serials available in electronic format. Many of these titles are not available from NLM, but the SERLINE record will provide information about how users can access them. Two new fields have been added to provide access information and two other fields have new values relating to this new format.

New Electronic Mail Address (EML) Field

The host computer address is indicated here. An example of data in the EML is:

EML - LISTSERV@UICVM.UIC.EDU

New Network Access (NAC) Field

Data in this field indicate the mode of access to the publication. Possible values are:

F (for ftp)
G (for gopher)
L (for listserv)
M (for modem)
T (for telnet)

The data elements EML and NAC are not directly searchable. They are printed only when they are specified (i.e., PRT EML, NAC) or when the PRT DETAILED or PRT ACQUISITIONS commands are used.

Call Number (CA) and General Material Designation (GMD) Fields

New values have been added to the Call Number (CA) and General Material Designation (GMD) fields. "Electronic Journal" is now used in the Call Number (CA) field to denote serial publications available primarily online. The corresponding General Material Designation (GMD) value is EJ.

Titles in SERLINE with the call number "Electronic Journal" are not available from NLM, and the SERLINE entry includes the following statement in the General Note (GN) field: "This title is not in the NLM collection." The records for these titles are in SERLINE to let users know that the publications are available and to provide information about access.

Figure 1 shows an example of record retrieved for an electronic journal.

```

SS 1 /C?
USER:
file ser

PROG:
YOU ARE NOW CONNECTED TO THE SERLINE FILE.

SS 1 /C?
USER:
(ca) electronic journal

PROG:
SS (1) PSTG (21)

SS 2 /C?
USER:
prt 1 dl

PROG:

1
DA - 940610
EM - 9406
TI - AIDS ALERT FOR HEALTH CARE WORKERS
TK - AID/A/F/H
FL - 1,1994—
PL - TORONTO
PU - RYERSON POLYTECHNICAL INSTITUTE
GN - THIS TITLE IS NOT IN THE NLM COLLECTION. TITLE FROM TITLE SCREEN.
MODE OF ACCESS: CICNET JOURNAL ACCESSED BY TELNET ECNET.EC,
REGISTER AS GOPHER. ALSO THROUGH E-MAIL: LIBR8508@RYERSON.

FR - IF
OC - OPEN
Y1 - 1994
LA - ENG
GMD - EJ
CY - CANADA
NAC - T
NAC - L
EML - ECNET.EC
EML - LIBR8508@RYERSON
CA - ELECTRONIC JOURNAL
JD - ACQUIRED IMMUNODEFICIENCY SYNDROME
UI - SR0081367
    
```

Figure 1 - SERLINE Record for an Electronic Journal

If NLM collects an electronic journal in a format other than electronic, such as print or microfiche, it will be cataloged and receive an NLM call number indicating its shelving location.

Viewing articles in an electronic journal is accomplished by accessing the publicly available networks. To collect the publication, one must capture (download) an issue or article over an electronic network. There may be a subscription fee. □

*--prepared by Esther Baldinger
Serial Records Section*

Subject and Call Number Field Changes to NLM Bibliographic Records

This article is primarily directed to librarians who use USMARC bibliographic records created and distributed by the National Library of Medicine.

Two major changes were made to the structure of NLM USMARC bibliographic records in conjunction with the development of an improved conversion program for NLM's USMARC bibliographic record distribution. These changes represent NLM's adherence to the requirements of the *USMARC Format for Bibliographic Records Including Guidelines for Content Designation* and they were implemented with the reinstatement of regular distribution of NLM records in USMARC format. Records reflecting these changes in policy began to appear in the USMARC tape distribution to most NLM CATLINE and AVLINE tape licensees in early June and, for all subscribers, as of August 4, 1994.

1. Use of Level of Subject Indicator for USMARC Field 650

With the 1994 production year, the NLM Cataloging Section began designating a primary or secondary subject indicator to MeSH terms assigned to monographs and classed serials.

For ELHILL users, subject headings on new records added to CATLINE and AVLINE are now listed roughly in order of importance; subject headings on older records appear in alphabetical order. Users of NLM USMARC distributed products began to note the specific coding of the first indicator of the USMARC field 650 with the reinstatement of regular distribution of NLM bibliographic records in USMARC format in June 1994.

NLM is using the values defined in the *USMARC Format*

for Bibliographic Data 1994 Edition:

- b* — No information available (*b* = blank)
- 0 — No level specified
- 1 — Primary
- 2 — Secondary

In assigning the specific indicator value to the MeSH terms for newly cataloged materials, NLM is applying the following principles:

a. For Monographs and Classed Serials

Following the guideline that a classification number is assigned to an item based on its **primary** subject, the value "1" in the first indicator of USMARC 650 identifies the subject heading(s) that represent(s) the **primary subject** of the item as cataloged. This tag indicates the MeSH term(s) that led to the assignment of a particular classification number. A direct link can thereby be established in the majority of cases from the subject terms assigned to the classification number selected, excluding instances where the item is an individual analytic of an analyzed multi-part item. (Note: For analyzed multi-part items, the primary subject represents the actual subject matter of the individual analytic and may not necessarily correspond to the overall class number assigned).

The value "2" in the first indicator of USMARC 650 indicates that the subject heading **does not** represent the primary subject of the item being cataloged.

The coding of the primary subject conforms to NLM classification practice. Specifically, materials dealing with several subjects that fall into different areas of the classification **are classed by emphasis, or if emphasis is lacking, by the first subject treated in the item being cataloged**. Therefore, the subject term(s) that represent(s) the emphasis of an item dealing with more than one subject will be coded as "1" in the first indicator of USMARC field 650. In cases where emphasis is lacking, the term that represents the first subject treated will be coded as "1" in the first indicator of USMARC field 650. Figure 1 on the following page shows examples of the various values in the USMARC 650 field.

a. For Monographs and Classed Serials**Example -- Item Classed by Emphasis**

USMARC	245	10\$aUltrasound :\$ba pattern approach /\$cPatricia L. Abbitt.	
USMARC	650	12\$aUltrasonography.	-- primary subject
	650	22\$aPattern Recognition.	-- secondary subject
USMARC	060	10\$aWB 289\$bA124u 1994	

Although the assignment of one primary subject heading per item is preferred, it is permissible to code two or three subject terms using the value "1" in the first indicator of USMARC field 650 if needed to cover the concept properly.

Example -- More Than One Primary Subject

USMARC	245	10\$aPosterior uveitis :\$bdiagnosis and management /\$cKhalid F. Tabbara, Robert B. Nussenblatt.	
USMARC	650	12\$aUveitis, Posterior\$xdiagnosis.	
	650	12\$aUveitis, Posterior\$xtherapy.	
USMARC	060	10\$aWW 240\$bT112p 1994	

When a form classification number is used, the primary subject together with the appropriate form subheading corresponds to the class number assigned.

Example -- Primary Subject and Form Number Classification

USMARC	245	14\$aThe pain drugs handbook /\$cSota Omoigui.	
USMARC	650	12\$aAnalgesics\$xhandbooks.	
	650	22\$aPain\$xdrug therapy\$xhandbooks.	
USMARC	060	10\$aQV 39\$b056p 1995	

b. For Serial Analytics

For serial analytics, the primary subject corresponds to the alternative monographic classification number assigned, presented in USMARC as the second occurrence of the USMARC field 060.

Example -- Serial Analytic

USMARC	245	10\$aProvocation testing in clinical practice /\$cedited by Sheldon L. Spector.	
USMARC	650	12\$aHypersensitivity.	-- primary subject
	650	22\$aBronchial Provocation Tests.	-- secondary subject
	650	22\$aNasal Provocation Tests.	-- secondary subject
	650	22\$aImmunologic Tests.	-- secondary subject
USMARC	060	10\$aW1\$bCL652 v.5 1995	
	060	10\$aQW 900\$bP968 1995	-- alternative class number associated with primary subject

c. For Serials Classified in Form Numbers W1 or W2

For serials classed in W1 or W2, NLM is assigning the value "0" (no level specified) to the first indicator of USMARC field 650.

Figure 1 - Level of Subject Indicator in USMARC Field 650

2. Changes to the Structure of USMARC Field 060 on NLM Records

In mid-January 1994, the National Library of Medicine implemented accession number shelving for the majority of print monographs acquired and shelved in the general collection. (For further information regarding accession number shelving at NLM, refer to pages 19-20 of the January-February 1994 *Technical Bulletin*).

In conjunction with the change to accession number shelving for monographs, NLM discontinued the policy of supplying NLM-assigned call/class/accession numbers in one single USMARC field 060 in its USMARC-formatted bibliographic records. Specifically, in prior distribution, NLM supplied all call numbers associated with an item in one single 060, with the call number used at NLM shown first and others in brackets. NLM is now outputting each call or accession number in a separate occurrence of USMARC field 060, with appropriate indicators and subfielding. Therefore, there may be multiple occurrences of USMARC field 060 on NLM records of all formats distributed in the USMARC format.

This change enables NLM to code the indicators accurately on each USMARC field 060, as defined by USMARC. Users should be alerted to use the first indicator to determine which USMARC field 060, if any, reflects the call number for the item as held at NLM. As defined by USMARC, the value “0” the first indicator

of USMARC field 060 indicates that the “item is in NLM”; the value “1” means that the “item is not in NLM.” For Cataloging-in-Publication (CIP) records (i.e., those having an encoding level of “8”), the first indicator of each USMARC field 060 is set to the value “1,” indicating that the item is NOT at NLM.

Examples

For most published monographs:

USMARC	060	00\$a1993 A-134
	060	10\$W 275 AA1\$bU8 1990

For CIPs that are not analytics (only one 060 will be distributed):

USMARC	060	10\$aQT 34\$bB61152 1992
--------	-----	--------------------------

For CIPs which NLM treats as analytics:

USMARC	060	10\$W1\$bCU7871 v.8 1994
	060	10\$QH 795\$bA644 1994

In the ELHILL files, CATLINE and AVLINE, no change was made to the Call Number (CA) field which, as always, may be multiply occurring. The library symbol “02NLM” indicates the particular occurrence of the Call Number (CA) field that represents the call number of the item at NLM. □

--prepared by Alice Jacobs
 Technical Services Division

Serials Information Available via ftp

Introduction

The 1994 *List of Journals Indexed In Index Medicus* (LJI) and the 1994 *List of Serials Indexed for Online Users* (LSIOU) are now available from the NLM Gopher and via anonymous ftp from the NLM anonymous ftp server. The LJI and the LSIOU are available in both ASCII and WordPerfect from the NLM Gopher, and all sections except the introductions are available in ASCII, WordPerfect, and PostScript via ftp. (The introductions are available in ASCII and WordPerfect via ftp). Each publication consists of several files as described in the following paragraphs.

NLM plans to update the electronic versions of the LJI and the LSIOU two to three times each year. The printed editions of the LJI and LSIOU will continue to be published annually. (See page **XX** of the Technical Notes section in this issue for order information for the 1995 LSIOU. Order information for the 1995 LJI will be published in a forthcoming issue.)

LJI

The LJI is current as of July 20, 1994 and it is anticipated that the 1995 edition will be available by late December 1994. The LJI is divided into the following files: Introduction, Abbreviation Listing, Full Title Section, List of Subject Headings, Subject Listing, and Geographic Listing.

LSIOU

The LSIOU now available for ftping is current as of April 26, 1994 and it is anticipated that the 1995 edition will be available in January 1995. The LSIOU is divided into the following: Introduction, and four files for the listings by abbreviation: A-B, C-I,

J-O, and P-Z. The 1995 print version of the LSIOU available for purchase from NTIS will contain the same information as the copy mounted on the server for ftping in January 1995. NLM plans to update the electronic version of the LSIOU three times per year and the print version will continue being issued annually.

Serials Update Information

The Serials Update section of the *Technical Bulletin*, which provides current information about titles newly selected for indexing, title changes, and titles no longer indexed in MEDLINE, BIOTECHSEEK, HEALTH, and HSTAR is also being put onto the NLM anonymous ftp server as a separate ASCII file. Currently, 1994 updates from the January-February, March-April, and May-June issues of the *Technical Bulletin* are available. NLM plans to keep one year (six issues) of updates on the host server. If you ftp the entire issue of the *Technical Bulletin* (currently available as a PostScript file) it will include the Serials Update information being made available separately here.

Getting the Files

The LJI, LSIOU, and Serials Update files may be obtained via anonymous ftp from the host `nlmpubs.nlm.nih.gov`. These files are in the subdirectory `/online/journals`. To access the publications through the NLM Gopher, use your local gopher client, or, if that is not available, telnet to the address `gopher.nlm.nih.gov`. First select Online Services and then Journal Title Lists.

Questions about contents and format of the *List of Journals Indexed In Index Medicus*, the *List of Serials Indexed for Online Users*, or the Serials Update files should be addressed to Esther Baldinger, `elb.nlm.nih.gov`. Questions about ftping to `nlmpubs.nlm.nih.gov` should be addressed to `ftpadmin@nlmpubs.nlm.nih.gov`, and questions about the NLM Gopher should be addressed to `admin@gopher.nlm.nih.gov`. □

--prepared by Esther Baldinger
Serial Records Section

SERIALS UPDATE

INDEXED TITLES UPDATED, JULY-AUGUST 1994

The following titles cited in MEDLINE, HEALTH, and HSTAR have recently been selected for indexing, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last UPDATE. More detailed information may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, Technical Services Division at 301-496-3784 or elb@nlm.nih.gov.

Serials Update information may also be obtained by anonymous ftp from the host nlm.pubs.nlm.nih.gov. The file is in the subdirectory /online/journals. The same Update information may also be obtained from the NLM Gopher; first gopher to gopher.nlm.nih.gov, then select Online Services, then select Journal Title Lists. Questions about ftping to NLM should be addressed to ftpadmin@nlmpubs.nlm.nih.gov and questions about the NLM Gopher should be addressed to admin@gopher.nlm.nih.gov.

TITLES SELECTED FOR INDEXING, JULY-AUGUST 1994

IM BIOLOGICAL BULLETIN
BIOL BULL
1,1899—
MARINE BIOLOGICAL LABORATORY
WOODS HOLE MA UNITED STATES
SUPERSEDES: ZOOLOGICAL BULLETIN.
INDEXING FOR ONLINE FILES BEGAN WITH
V129N2,OCT 1965, CEASED WITH V160N1,1981,
AND RESUMED WITH V186N1,FEB 1994.
W1 B1739 0006-3185
B16600000 JC: A2G
MARINE BIOLOGICAL LABORATORY, MBL ST,
WOODS HOLE MA 02543

IM BIOORGANIC AND MEDICINAL CHEMISTRY
BIOORG MED CHEM
1N1,JUL 1993—
PERGAMON PRESS
OXFORD ENGLAND
VOL. 1 COMPLETE IN SIX ISSUES.
COMPLEMENTS OTHER PUBLICATIONS,
ESPECIALLY BIORGANIC AND MEDICINAL
CHEMISTRY LETTERS.
INDEXING BEGAN WITH V1N1,JUL 1993.
W1 B1876E 0968-0896
SR0075939 JC: B38

IM CANADIAN VETERINARY JOURNAL
CAN VET J
1,1960—
CANADIAN VETERINARY MEDICAL
ASSOCIATION
OTTAWA CANADA
INDEXING FOR ONLINE FILES BEGAN WITH
V6N9, SEP 1965, CEASED WITH V23N1, 1982,
AND
RESUMED WITH 35N1, JAN 1994.
W1 CA665S 0008-5286
C04920000 JC: CLS

IM CARDIOVASCULAR SURGERY
CARDIOVASC SURG
1,1993—
BUTTERWORTH HEINEMANN
OXFORD ENGLAND
OFFICIAL JOURNAL OF THE INTERNATIONAL
SOCIETY FOR CARDIOVASCULAR SURGERY.
INDEXING BEGAN WITH V1N1,FEB 1993.
W1 CA773S 0967-2109
SR0075353 JC: B39
BUTTERWORTH-HEINEMANN,LINACRE
HOUSE,JORDAN HILL,OX2 8DP
OXFORD,ENGLAND

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W1 RE107KT 1060-6823
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CB2 2RU,UK</p> |
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CONTINUES: FOUNDATION NEWS.
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W1 RO327M
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 W1 CA602U 0008-4247
 C04420000 JC: CJP

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W1 MI265E 0940-9653 CONTINUES: STATE LEGISLATIVE REPORT.
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W1 MO915J 0540-889X W1 WE403 0960-6440
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MEDITSINA
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INDEXING BEGAN WITH N1,1992.

1995 WEEKLY UPDATE SCHEDULE FOR MEDLINE

<u>Entry Month</u>	<u>Updated MEDLINE Available</u>	<u>Date of Entry (DA) Ranges</u>
9501 (EM)	Dec 12	941021-941123*
9502 (EM)	Dec 31	941124-941229
9503 (EM)		
Part 1	Jan 7	941230-950105
Part 2	Jan 14	950106-950112
Part 3	Jan 21	950113-950119
Part 4	Jan 28	950120-950126
9504 (EM)		
Part 1	Feb 4	950127-950202
Part 2	Feb 11	950203-950209
Part 3	Feb 18	950210-950216
Part 4	Feb 25	950217-950223
9505 (EM)		
Part 1	Mar 4	950224-950302
Part 2	Mar 11	950303-950309
Part 3	Mar 18	950310-950316
Part 4	Mar 25	950317-950323
9506 (EM)		
Part 1	Apr 1	950324-950330
Part 2	Apr 8	950331-950406
Part 3	Apr 15	950407-950413
Part 4	Apr 22	950414-950420
Part 5	Apr 29	950421-950427
9507 (EM)		
Part 1	May 6	950428-950504
Part 2	May 13	950505-950511
Part 3	May 20	950512-950518
Part 4	May 27	950519-950525
9508 (EM)		
Part 1	Jun 3	950526-950601
Part 2	Jun 10	950602-950608
Part 3	Jun 17	950609-950615
Part 4	Jun 24	950616-950622

<u>Entry Month</u>	<u>Updated MEDLINE Available</u>	<u>Date of Entry (DA) Ranges</u>
9509 (EM)		
Part 1	Jul 1	950623-950629
Part 2	Jul 8	950630-950706
Part 3	Jul 15	950707-950713
Part 4	Jul 22	950714-950720
Part 5	Jul 29	950721-950727
9510 (EM)		
Part 1	Aug 5	950728-950803
Part 2	Aug 12	950804-950810
Part 3	Aug 19	950811-950817
Part 4	Aug 26	950818-950824
9511 (EM)		
Part 1	Sep 2	950825-950831
Part 2	Sep 9	950901-950907
Part 3	Sep 16	950908-950914
Part 4	Sep 23	950915-950921
9512 (EM)		
Part 1	Sep 30	950922-950928
Part 2	Oct 7	950929-951005
Part 3	Oct 14	951006-951012
Part 4	Oct 21	951013-951019
9601 (EM)	Dec 11	951020-951122*

*Modified because of holiday

Search hint: To run weekly updates to a search, use the pattern shown below, where SS 1: represents your completed search strategy.

On August 5 - SS 2: 1 AND 9510 (EM)
 On August 12 - SS 2: 1 AND 9510 (EM) AND FROM 950804 TO 950810 (DA)
 On August 19 - SS 2: 1 AND 9510 (EM) AND FROM 950811 TO 950817 (DA)
 On August 26 - SS 2: 1 AND 9510 (EM) AND FROM 950818 TO 950824 (DA)

1995 MONTHLY UPDATE SCHEDULE FOR NLM DATABASES

Entry Month	SDILINE Available	HEALTH/ BIOTECHSEEK Available	POPLINE Available	CANCERLIT Available	TOXLINE/LIT Available	BIOETH- ICSLINE Available
9501	Dec 12	Dec 12	Jan 7	Jan 7	Jan 14	*
9502	Dec 31	Jan 7	Feb 4	Feb 4	Feb 11	Jan 21
9503	Jan 28	Feb 4	Mar 4	Mar 4	Mar 11	*
9504	Feb 25	Mar 4	Apr 8	Apr 1	Apr 8	Mar 18
9505	Mar 25	Apr 1	May 6	May 6	May 13	*
9506	Apr 29	May 6	Jun 3	Jun 3	Jun 10	May 20
9507	May 27	Jun 3	Jul 8	Jul 1	Jul 8	*
9508	Jun 24	Jul 1	Aug 5	Aug 5	Aug 12	Jul 22
9509	Jul 29	Aug 5	Sep 9	Sep 2	Sep 9	*
9510	Aug 26	Sep 2	Oct 7	Oct 7	Oct 14	Sep 23
9511	Sep 30	Oct 7	Nov 4	Nov 4	Nov 11	*
9512	Oct 21	Nov 4	Dec 9	Dec 2	Dec 9	Nov 25

For MEDLINE updates, see the "1995 Weekly Update Schedule for MEDLINE."

For AIDSLINE and HSTAR updates, see the "1995 Update Schedule for AIDSLINE and HSTAR."

* BIOETHICSLINE is updated every two months.

See ELHILL and TOXNET Online News for confirmation of these updates and for updates to files not listed here.

Use \$INFO UPDATES to retrieve a list of MEDLARS databases showing the date of last update, update tag, and total number of records for each.

1995 UPDATE SCHEDULE FOR AIDSLINE and HSTAR

<u>Entry Month</u>	<u>Updated AIDSLINE and HSTAR Available</u>
9501 (EM)	Jan 7**
9502 (EM)	Jan 7**
9503 (EM)	
Part 1	Jan 7**
Part 2	Jan 14
Part 3	Jan 21
Part 4	Jan 28
Part 5	Feb 7*
9504 (EM)	
Part 1	Feb 4
Part 2	Feb 11
Part 3	Feb 18
Part 4	Feb 25
Part 5	Mar 7*
9505 (EM)	
Part 1	Mar 4
Part 2	Mar 11
Part 3	Mar 18
Part 4	Mar 25
Part 5	Apr 4*
9506 (EM)	
Part 1	Apr 1
Part 2	Apr 8
Part 3	Apr 15
Part 4	Apr 22
Part 5	Apr 29
Part 6	May 9*
9507 (EM)	
Part 1	May 6
Part 2	May 13
Part 3	May 20
Part 4	May 27
Part 5	Jun 6*

<u>Entry Month</u>	<u>Updated AIDSLINE and HSTAR Available</u>
9508 (EM)	
Part 1	Jun 3
Part 2	Jun 10
Part 3	Jun 17
Part 4	Jun 24
Part 5	Jul 5* ***
9509 (EM)	
Part 1	Jul 1
Part 2	Jul 8
Part 3	Jul 15
Part 4	Jul 22
Part 5	Jul 29
Part 6	Aug 8*
9510 (EM)	
Part 1	Aug 5
Part 2	Aug 12
Part 3	Aug 19
Part 4	Aug 26
Part 5	Sep 5*
9511 (EM)	
Part 1	Sep 2
Part 2	Sep 9
Part 3	Sep 16
Part 4	Sep 23
Part 5	Sep 30
Part 6	Oct 10*
9512 (EM)	
Part 1	Oct 7
Part 2	Oct 14
Part 3	Oct 21
Part 4	Oct 28
Part 5	Nov 7*

*The last update portion of AIDSLINE includes data derived from HEALTH, CANCERLIT, BIOETHICSLINE (bimonthly), CATLINE, and AVLINE. The last update portion of HSTAR includes data derived from HEALTH, CATLINE, and specially indexed materials.

The other update portions are the MEDLINE-derived data. Please note that the last update portion to complete the Entry Month routinely occurs about 3 days after Part 1 of the next Entry Month is added, e.g., Part 6 of 9509 (EM) is added August 8, after Part 1 of 9510 (EM) which is added on August 5.

**Subject to change.

***Changed due to holiday.

MEDLARS ELHILL DATABASE UPDATE FREQUENCY

	WEEKLY	BI-WEEKLY	MONTHLY	BI-MONTHLY	QUARTERLY
AIDSDRUGS			X		
AIDSLINE	X				
AIDSTRIALS		X			
AVLINE	X				
BIOETHICSLINE				X	
BIOTECHSEEK			X ₁		
CANCERLIT			X ₁		
CATLINE	X				
ChemID					X
CHEMLINE				X	
DIRLINE					X
DOCUSER	X				
HEALTH			X ₁		
HISTLINE	X				
HSTAR	X				
MEDLINE	X				
PDQ			X ₁		
POPLINE			X ₁		
SDILINE			X ₁		
SERLINE			X ₂		
TOXLINE			X ₂		
TOXLIT			X ₂		

MEDLARS TOXNET DATABASE UPDATE FREQUENCY

	CONTINUOUSLY	MONTHLY	QUARTERLY	ANNUALLY	AS NEEDED
CCRIS		X			
DART/ETICBACK		X			CLOSED
EMIC/EMICBACK		X			CLOSED
GENE-TOX					X
HSDB	X				
IRIS		X			
RTECS			X		
TRI				X	
TRIFACTS					X

₁ Generally updated 1st week of month

₂ Generally updated 2nd week of month

1994-95 Holiday Schedule for MEDLARS and DOCLINE Service Desks

The MEDLARS and DOCLINE Service Desks are not staffed on the observed holidays listed below.

HOLIDAY	DATE
Christmas Day 1994	
(observed)	Monday Dec 26
(actual)	Sunday Dec 25
New Year's Day 1995	
(observed)	Monday Jan 2
(actual)	Sunday Jan 1
Martin Luther King's Birthday	Monday Jan 16
President's Day	Monday Feb 20
Memorial Day	Monday May 29
Independence Day	Tuesday Jul 4
Labor Day	Monday Sep 4
Columbus Day	Monday Oct 9
Veterans Day	
(observed)	Friday Nov 10
(actual)	Saturday Nov 11
Thanksgiving Day	Thursday Nov 23
Christmas Day 1995	Monday Dec 25

ELHILL, PDQ, and TOXNET computers are scheduled to be up on all holidays.

Notice of changes to this schedule and/or temporary changes in hours of operation will also appear in the online NEWS as soon as any are identified .

DOCLINE will not be available on Christmas Day, New Year's Day, Thanksgiving Day, Memorial Day, Independence Day, and Labor Day.

The Online Codes Map is not available in electronic format.

1995 MeSH HEADING PRE-EXPLOSIONS

<u>PRE-EXPLODED MeSH HEADING</u>	<u>TREE NUMBER(S)</u>
ABNORMALITIES	C16.131
ADULT	M1.471.116
AGED	M1.471.116.100
AMINO ACIDS	D12.125
ANESTHESIA	E3.155
ANTIBIOTICS	D20.85
ANTIBODIES	D24.611.125
ANTI-INFECTIVE AGENTS	D20
ANTINEOPLASTIC AGENTS	D22.204
BACTERIA	B3
BACTERIAL INFECTIONS	C1.252
BEHAVIOR	F1.145
BEHAVIOR A#D BEHAVIOR MECHANISMS	F1
BEHAVIORAL A#D MENTAL DISORDERS	F3
BIOCHEM PHENOM METAB	G6
BLOOD PROTEINS	D12.776.124
BRAIN	A8.186.211
CARBOHYDRATES	D9.203
CARDIOVASCULAR AGENTS	D18
CARDIOVASCULAR DISEASES	C14
CARDIOVASCULAR SYSTEM	A7
CELLS	A11
CENTRAL NERVOUS SYSTEM	A8.186
CENTRAL NERVOUS SYSTEM DISEASES	C10.228
CHEMISTRY, ANALYTICAL	E5.196; H1.181.278
CHILD	M1.471.392
CIRCULATORY, RESPIRATORY PHYSIOLOGY	G9
DENTISTRY	E6; G2.163
DIAGNOSIS	E1
DIAGNOSIS, LABORATORY	E1.223
DIGESTIVE SYSTEM DISEASES	C6
ENZYMES	D8.586
EPIDEMIOLOGIC METHODS	E5.318; G3.850.520
EQUIPMENT A#D SUPPLIES	E7
GASTROINTESTINAL DISEASES	C6.405
GENETICS	G1.273.343; G5
HEALTH FACILITIES	N2.278
HEALTH PERSONNEL	M1.526.485; N2.360
HEALTH SERVICES	N2.421
HEART DISEASES	C14.280
HORMONES	D6.472
IMMUNE SYSTEM	A15.382

IMMUNITY	G4.610
IMMUNOLOGIC FACTORS	D24.611
INFANT	M1.471.392.520
INVERTEBRATES	B1
LIPIDS	D10.516
MAMMALS	B2.649
MENTAL DISORDERS	F3.709
METABOLIC DISEASES	C18.452
METALS	D1.552; J1.637.517
MISCELLANEOUS TECHNIQUES	E5
MUSCULOSKELETAL DISEASES	C5
MUSCULOSKELETAL SYSTEM	A2
NEOPLASMS	C4
NERVOUS SYSTEM	A8
NERVOUS SYSTEM DISEASES	C10
NEUROLOGIC MANIFESTATIONS	C10.597; C23.888.592
ORGANIZATION A#D ADMINISTRATION	N4.452
PHYSIOLOGY, GENERAL	G7
PROTEINS	D12.776
PSYCHOLOGIC PROCESSES PRINCIPLES	F2
PUBLIC HEALTH	G2.403.790.548.560; G3.850; N1.407.540.740
QUALITY OF HEALTH CARE	N4.761; N5.715
REPRODUCTION, UROGENITAL PHYSIOLOGY	G8
RESPIRATORY TRACT DISEASES	C8
RODENTIA	B2.649.865
SIGNS A#D SYMPTOMS	C23.888
SKIN DISEASES	C17.800
STEROIDS	D4.808
STOMATOGNATHIC DISEASES	C7
SURGERY, OPERATIVE	E4
UNITED STATES *	Z1.107.567.875
VASCULAR DISEASES	C14.907
VERTEBRATE VIRUSES	B4.909
VERTEBRATES	B2
VIRUS DISEASES	C2
VIRUSES	B4
WOUNDS A#D INJURIES	C21.866

* When United States is the subject of an article.

To retrieve articles published in the United States, at any USER: prompt enter United States (CY).

MeSH Heading Pre-explosions are searchable only by the Pre-explosion Name (PX) or *Pre-explosion (PX) and not by the tree number(s). See also Subheading Pre-explosions and Place of Publication Pre-explosions in Appendixes H and I respectively.

FAMILIES OF 1995 SUBHEADING PRE-EXPLOSIONS

adverse effects

poisoning
toxicity

analysis

blood
cerebrospinal fluid
isolation & purification
urine

anatomy & histology

blood supply
cytology
 pathology
 ultrastructure
embryology
 abnormalities
innervation

chemistry

agonists
analogs & derivatives
antagonists & inhibitors
chemical synthesis

complications

secondary

cytology

pathology
ultrastructure

diagnosis

pathology
radiography
radionuclide imaging
ultrasonography

embryology

abnormalities

epidemiology

ethnology
mortality

etiology

chemically induced
complications
 secondary
congenital
embryology
genetics
immunology
microbiology
 virology
parasitology
transmission

metabolism

biosynthesis
blood
cerebrospinal fluid
deficiency
enzymology
pharmacokinetics
urine

microbiology

virology

organization & admin

economics
legislation & jurisprudence
manpower
standards
supply & distribution
trends
utilization

pharmacology

administration & dosage
adverse effects
 poisoning
 toxicity
agonists
antagonists & inhibitors
contraindications
diagnostic use
pharmacokinetics

physiology

genetics
growth & development
immunology
metabolism
 biosynthesis
 blood
 cerebrospinal fluid
 deficiency
 enzymology
 pharmacokinetics
 urine
 physiopathology
 secretion

statistics & numer data

epidemiology
ethnology
mortality

surgery

transplantation

therapeutic use

administration & dosage
adverse effects
contraindications
poisoning

therapy

diet therapy
drug therapy
nursing
prevention & control
radiotherapy
rehabilitation
surgery
 transplantation

Note: See the reverse side of this appendix for the short forms of the subheading pre-explosions used in searching.

ALPHABETIC LIST OF 1995 SUBHEADING PRE-EXPLOSIONS

<u>FULL NAME</u>	<u>SHORT FORM</u>	<u>FULL NAME</u>	<u>SHORT FORM</u>
adverse effects&	AE&	metabolism&	ME&
analysis&	AN&	microbiology&	MI&
anatomy & histology&	AH&	organization & admin&	OG&
chemistry&	CH&	pharmacology&	PD&
complications&	CO&	physiology&	PH&
cytology&	CY&	statistics & numer data&	SN&
diagnosis&	DI&	surgery&	SU&
embryology&	EM&	therapeutic use&	TU&
epidemiology&	EP&	therapy&	TH&
etiology&	ET&		

Final ampersand (&) and the qualifier (PX) are needed to search; either the full name or short form may be used. The asterisk (*) may not be used in front of a subheading pre-explosion.

PLACE OF PUBLICATION PRE-EXPLOSIONS

Africa

Africa, Northern

Algeria

Egypt

Libya

Morocco

Tunisia

Africa, South of the Sahara

Africa, Central

Cameroon

Central African Republic

Chad

Congo

Equatorial Guinea

Gabon

Zaire

Africa, Eastern

Burundi

Djibouti

Ethiopia

Kenya

Rwanda

Somalia

Sudan

Tanzania

Uganda

Africa, Southern

Angola

Botswana

Lesotho

Malawi

Mozambique

Namibia

South Africa

Swaziland

Zambia

Zimbabwe

Africa, Western

Benin

Burkina Faso

Cote d'Ivoire

Gambia

Ghana

Guinea

Guinea-Bissau

Liberia

Mali

Mauritania

Africa (cont'd)

Africa, South of the Sahara (cont'd)

Africa, Western (cont'd)

Niger

Nigeria

Senegal

Sierra Leone

Togo

Central America

Belize

Costa Rica

El Salvador

Guatemala

Honduras

Nicaragua

Panama

North America

Canada

Greenland

Mexico

United States

South America

Argentina

Bolivia

Brazil

Chile

Colombia

Ecuador

French Guiana

Guyana

Paraguay

Peru

Suriname

Uruguay

Venezuela

West Indies

Antigua

Bahamas

Barbados

Cuba

Dominican Republic

Haiti

Jamaica

Martinique

Netherlands Antilles

Puerto Rico

Trinidad and Tobago

Virgin Islands of the United States

PLACE OF PUBLICATION PRE-EXPLOSIONS, cont.

Asia

Asia, Central

Kazakhstan
Kyrgyzstan
Tajikistan
Turkmenistan
Uzbekistan

Asia, Southeastern

Borneo
Brunei
Cambodia
Indonesia
Laos
Malaysia
Mekong Valley
Myanmar
Philippines
Singapore
Thailand
Timor
Vietnam

Asia, Western

Bangladesh
Bhutan
India
Middle East
 Afghanistan
 Bahrain
 Iran
 Iraq
 Israel
 Jordan
 Kuwait
 Lebanon
 Oman
 Qatar
 Saudi Arabia
 Syria
 Turkey
 United Arab Emirates
 Yemen

Nepal
Pakistan
Sri Lanka

Far East

China
 Tibet
Hong Kong
Japan

Asia (cont'd)

Far East (cont'd)

Korea
Macao
Mongolia
Taiwan

Europe

Andorra
Austria
Belgium
Europe, Eastern
 Albania
 Baltic States
 Estonia
 Latvia
 Lithuania
 Bosnia-Herzegovina
 Bulgaria
 Byelarus
 Croatia
 Czech Republic
 Hungary
 Macedonia (Republic)
 Moldova
 Poland
 Romania
 Russia
 Slovakia
 Slovenia
 Ukraine
 Yugoslavia
Finland
France
Germany
Gibraltar
Great Britain
 England
 Northern Ireland
 Scotland
 Wales
Greece
Iceland
Ireland
Italy
Liechtenstein
Luxembourg
Monaco
Netherlands
Portugal

PLACE OF PUBLICATION PRE-EXPLOSIONS, cont.

Europe (cont'd)	Indian Ocean Islands (cont'd)
San Marino	Mauritius
Scandinavia	Reunion
Denmark	Seychelles
Norway	Pacific Islands
Sweden	Melanesia
Spain	Fiji
Switzerland	New Caledonia
Transcaucasia	Papua New Guinea
Armenia	Vanuatu
Azerbaijan	Micronesia
Georgia (Republic)	Guam
Indian Ocean Islands	Polynesia
Comoros	Pitcairn Island
Madagascar	Tonga
	Western Samoa

Alphabetic List of Place of Publication Pre-explosions

Africa&	Europe, Eastern&
Africa, Central&	Far East&
Africa, Eastern&	Great Britain&
Africa, Northern&	Indian Ocean Islands&
Africa South of the Sahara&	Melanesia&
Africa, Southern&	Micronesia&
Africa, Western&	Middle East&
Asia&	North America&
Asia, Central&	Pacific Islands&
Asia, Southeastern&	Polynesia&
Asia, Western&	Scandinavia&
Baltic States&	South America&
Central America&	Transcaucasia&
China&	West Indies&
Europe&	

Ending ampersand (&) and the qualifier (PX) are needed to search. The asterick (*) may not be used in front of a place of publication pre-explosion.

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NLM Internet Directory

The following Internet addresses may be used for specific questions and comments to NLM:

Anonymous ftp Service Assistance:	ftpadmin@nlm.nih.gov
GenBank Molecular Sequence Database Information	info@ncbi.nlm.nih.gov
Gopher Assistance:	admin@gopher.nlm.nih.gov
Grateful Med:	gmhelp@gmedserv.nlm.nih.gov
History of Medicine Division:	hmdref@nlm.nih.gov
Interlibrary Loan (ILL)/DOCLINE Assistance:	ill@nlm.nih.gov
International Programs Office:	hsieh@nlm.nih.gov
MEDLARS Management Section:	mms@nlm.nih.gov
MeSH Heading Suggestions:	meshsugg@nlm.nih.gov
National Center for Biotechnology Information (NCBI):	info@ncbi.nlm.nih.gov
National Information Center on Health Services Research and Health Care Technology (HSTAR/HSTAT):	nichsr@nlm.nih.gov
Office of Public Information:	publicinfo@occs host.nlm.nih.gov
Online Images from the History of Medicine	oli@nlm.nih.gov
Planning and Evaluation Office:	siegel@nlm.nih.gov
Preservation Information:	pres@nlm.nih.gov
Reference Assistance:	ref@nlm.nih.gov
Toxicology Information Program:	toxmail@tox.nlm.nih.gov

NLM Internet Access

TELNET

MEDLARS, PDQ & TOXNET:	medlars.nlm.nih.gov
Locator:	locator.nlm.nih.gov
HSTAT:	text.nlm.nih.gov

FTP

MEDLARS Server:	medlars.nlm.nih.gov
NLM Anonymous Server:	nlmpubs.nlm.nih.gov

TOOLS

Mosaic (WWW):	http://www.nlm.nih.gov/
Gopher:	gopher.nlm.nih.gov

NLM PHONE NUMBERS: MEDLARS Service Desk 800-638-8480 Public Information 800-272-4787

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