

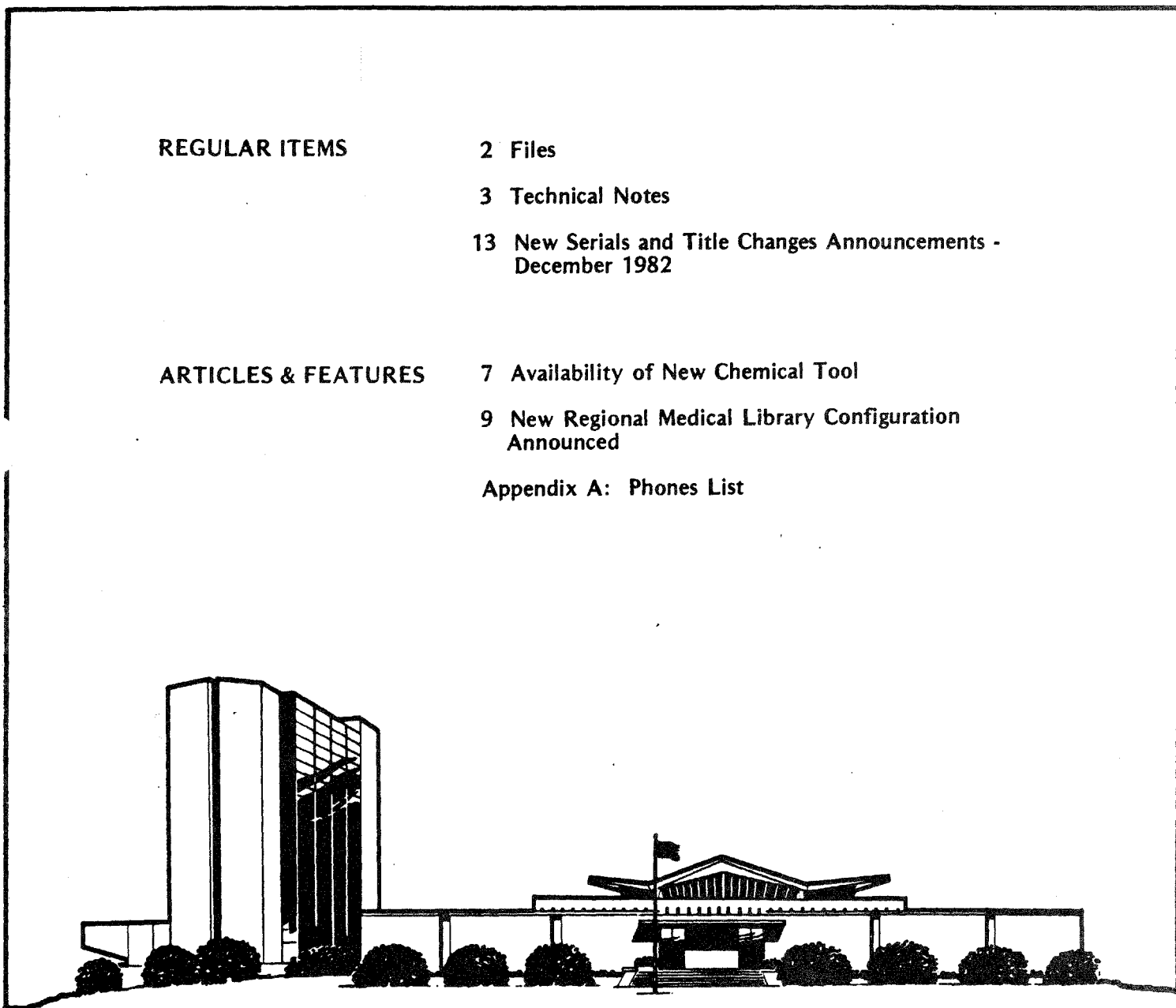
# THE NLM TECHNICAL BULLETIN

## REGULAR ITEMS

- 2 Files
- 3 Technical Notes
- 13 New Serials and Title Changes Announcements -  
December 1982

## ARTICLES & FEATURES

- 7 Availability of New Chemical Tool
- 9 New Regional Medical Library Configuration  
Announced
- Appendix A: Phones List



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NLM TECHNICAL BULLETIN - JAN 83

| DATABASE     | TOTAL RECORDS | DATES COVERED       | DATE LAST UPDATED | LATEST UPDATE TAG |
|--------------|---------------|---------------------|-------------------|-------------------|
| AVLINE       | 11,277        | THROUGH 1983        | 17 JAN 83         |                   |
| BIOETHICS    | 13,838        | JAN 73-FEB 82       | 22 NOV 82         | 8211(EM)          |
| CANCERLIT    | 333,133       | JAN 63-JAN 83       | 17 JAN 83         | 8301(EM)          |
| CANCERPROJ   | 21,117        | 1978-1981           | 12 NOV 81         | 8110(EM)          |
| CATLINE      | 499,568       | THROUGH 1983        | 17 JAN 83         |                   |
| CHEMLINE     | 551,628       |                     | 03 JAN 83         | 8212(EM)          |
| CLINPROT     | 3,407         |                     | 01 NOV 82         | 8210(EM)          |
| HEALTH       | 222,343       | JAN 75-FEB 83       | 12 JAN 82         | 8302(EM)          |
| HISTLINE     | 52,857        |                     | 06 JAN 83         | 8301(EM)          |
| MEDLINE      | 698,314       | JAN 80-FEB 83       | 03 JAN 83         | 8302(EM)          |
| MED77        | 775,451       | JAN 77-DEC 79       | 13 DEC 82         |                   |
| MED75        | 642,927       | JAN 75-DEC 76       | 13 DEC 82         |                   |
| MED71        | 884,104       | JAN 71-DEC 74       | 13 DEC 82         |                   |
| MED66        | 955,059       | JAN 66-DEC 70       | 13 DEC 82         |                   |
| MESH VOC     | 46,078        | 1983                | 17 JAN 83         |                   |
| NAME AUTH    | 140,759       |                     | 10 JAN 83         |                   |
| PDQ          | 784           |                     | 17 JAN 83         | 8212(EM)          |
| POPLINE      | 107,126       | 1970-JAN 83         | 10 JAN 83         | 8301(EM)          |
| RTECS        | 57,085        | 1979 ED.-OCT 82     | 06 DEC 82         |                   |
| SDILINE      | 25,462        | FEB 83              | 03 JAN 83         |                   |
| SERLINE      | 40,760        | 1983                | 18 JAN 83         |                   |
| TDB          | 4,017         |                     | 22 NOV 82         |                   |
| TOXLINE      | 517,033       |                     | 20 DEC 82         | 8212(EM)          |
| CBAC         | 256,379       | 1979-VOL 97(11)     |                   |                   |
| TOXBIB       | 87,943        | 1979-JAN 83         |                   |                   |
| IPA (ASHP)   | 18,046        | 1979-VOL 19(15-20)  |                   |                   |
| HEEP         | 40,290        | 1979-VOL 11(12)     |                   |                   |
| PESTAB       | 8,209         | 1979-VOL 14(DEC 81) |                   |                   |
| EMIC         | 37,996        | 1950-DEC 82         |                   |                   |
| ETIC         | 25,995        | 1950-OCT 82         |                   |                   |
| 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.

WASHINGTON'S BIRTHDAY HOLIDAY SCHEDULE - The NLM computer will be up on Monday, February 21, 1983, the day of the Federal government observance of George Washington's Birthday. Non-prime rates will be in effect all day. The MEDLARS Management Service Desk will not be staffed. On George Washington's Birthday, Tuesday, February 22, 1983, the NLM computer will be up and the MMS Service Desk staffed. Regular rates will be in effect all day. Please see the October 1982 Technical Bulletin, p. 5, for the complete 1983 holiday schedule.

TYMNET TEXAS INWATS - Users in Texas only who currently use a TELENET or TYMNET INWATS phone number (800 number) are advised that the TYMNET 800 number has changed. If you are one of these users, please contact the MMS Service Desk for the new phone number.

MLA CONTACT HOURS FOR INITIAL CLASS - Due to the restructuring of the Initial Online Services Training Class, effective February 1983, the contact hours awarded by the Medical Library Association (MLA) to class participants for MLA recertification purposes have changed. The new Initial class will be in modular format with three modules available. (Attendance at Module I is required. Please see the article in the November 1982 Technical Bulletin, pp. 10-12, for further explanation of the class restructuring.) The hours awarded for various module attendance combinations are:

| <u>Attendance</u>                                 | <u>Contact Hours<br/>Awarded</u> |
|---|----------------------------------|
| Module I only (Monday-Wednesday)                  | 21                               |
| Module I and II (Monday-Thursday)                 | 28                               |
| Module I, II, and III (Monday-Friday)             | 32                               |
| Module I and III<br>(Monday-Wednesday and Friday) | 25                               |

Contact hours for the Advanced and Abbreviated Advanced classes remain unchanged at 35 hours and 21 hours, respectively.

Searchers attending NLM-sponsored training classes are reminded that MLA awards these contact hours only at the time of recertification application. (Please see the Technical Note titled, "MLA Recertification Credit for NLM Online Training/Updates," in the June 1982 Technical Bulletin, p. 3, for further information on contact hours and recertification.)

REVISION TO  
1983 TRAINING  
SCHEDULE

- The following change has been made to the 1983 Online Services Training Schedule announced in the November 1982 Technical Bulletin, p. 15. The November 28-30, 1983 Abbreviated Advanced class to be held in Region 2 is being moved to November 8-10, 1983. Please annotate the Training Schedule to reflect this change. The location of this class will be announced at a later date.

UPCOMING  
REGIONAL  
TRAINING  
CLASSES

- Searchers in Region 5 (TALON RML) and in Region 4 (Mid-continental RML) should take special note of the upcoming Abbreviated Advanced courses planned for these regions on April 6-8, 1983 and April 20-22, 1983, respectively. Individuals from these and other regions wanting to attend either course should contact MEDLARS Management Section for a training application or use the application included with the November 1982 Technical Bulletin.

These courses will be the only Advanced courses offered in these regions in 1983. Class size is limited to 50 persons, one per institution. Additional persons from the same institution will be admitted if space permits. All applications will be processed in order of receipt. If submitting multiple applications, please indicate which searcher has priority for class attendance.

CHARGES  
EFFECTIVE  
OCTOBER 1982

- Effective October 1, 1982, a minimum charge of \$15.00 per month per User ID code was reinstated for MEDLARS. This charge will appear on monthly invoices only if a particular User ID code has not been used enough to accumulate at least \$15.00 worth of connect time and page charges; an additional charge of \$15.00 is not added to bills for User ID codes used sufficiently to generate a bill for \$15.00 or more. Therefore, this minimum charge affects only relatively inactive users of the system. Users with questions about this minimum charge or about any invoice problem should call the MMS Service Desk (not NTIS) for assistance.

CHARGES ON  
DISCONNECT

- If a user is disconnected from the system during a search, billing ceases with the receipt by the system of the last carriage return sent by the user.

Sometimes after a disconnect, a searcher will immediately attempt to reenter the system and will receive the message "USER ID ALREADY IN USE." This message is generated because the system "believes" that the user is still connected to the system. However, even though the system will continue to keep the user's search environment active for 15 minutes from the last carriage return received, the user is not being billed for this 15-minute interval. The searcher will also be prevented from accessing the system until this 15 minutes has expired, that is, until the system has "timed-out" the User ID Code. If access is needed within this 15 minutes, the user can call MEDLARS Management Section

to have the User ID cancelled. MMS should also be contacted if the message "USER ID ALREADY IN USE" is received for a period greater than 15 minutes. In all of the above instances, however, the search environment will generally be lost as a consequence of the disconnect.

In some cases, a user will be able to reconnect to the system within this 15-minute interval and will be put back into the same search environment. When this happens, the user will be billed for the actual search time and for the entire time that the code was disconnected (up to a maximum of 15 minutes connect time for a particular database). Therefore, after a disconnect, the searcher must exercise judgment when reconnecting to the system and should be aware that the search environment remains active for 15 minutes.

TELENET/  
TYMNET  
INWATS

- Users currently using TELENET or TYMNET INWATS phone numbers (800 numbers) to access NLM are reminded that they should discontinue using these numbers if a local TELENET or TYMNET number (node) becomes available. The intention is to keep these INWATS lines free for users without local numbers. Since NLM pays all communications charges, there is no price advantage to the searcher for using either mode of access.

To determine availability of a local node, please consult the Phones List published periodically with the Technical Bulletin. (A Phones List is included this month as Appendix A.) Users with local nodes should also routinely consult the Phones List as changes to local TELENET/TYMNET phone numbers are frequently made, new numbers added, and access upgraded to higher speeds.

TYMNET/  
TELENET  
USE

- Recently a number of users have been receiving the message from TELENET "301 20 REJECTING" when accessing NLM. While this message may indicate that NLM is not operating, frequently it simply means that all the TELENET lines into NLM are busy. When this occurs, the user has two options:

- 1) Keep typing C 301 20 after the @ until a line becomes free; or

- 2) Use TYMNET if a local number (node) is available.

For users unfamiliar with the TYMNET login, it follows:  
[Note: Items underlined indicate user input; Part 3.5.2.1 of the Online Services Reference Manual explains this login in detail; this Part also has a list of terminal identifiers for TYMNET.]

PLEASE TYPE YOUR TERMINAL IDENTIFIER:e

PLEASE LOG IN: NLM (Note: NLM2 may also be used)

PASSWORD:

#####BCN (This is typed over the disguising characters.)

; (Carriage Return)

PLEASE ENTER /LOGIN

/LOGIN

Eight TELENET lines were added during the week of January 10, and NLM is planning to install more lines into the computer in the future to increase access at all times. Persistent telecommunications problems should be reported to MMS.

SUBHEADING  
SECONDARY

- Although the MeSH definition for the subheading /secondary (please see page XLIV of the Medical Subject Headings, Annotated Alphabetic List, 1983) indicates that this subheading is used with the site of the cancer metastasis, it is indexing policy to index also the histological type with the subheading /secondary, where appropriate. For example, an article discussing metastasis of choriocarcinoma to the brain would be indexed to both BRAIN NEOPLASMS/SC and CHORIOCARCINOMA/SC. Therefore, to search for the metastasis of a particular cancer to any site, it is only necessary to search the histologic type heading with the subheading /secondary. This search strategy applies only when searching articles indexed from 1980 forward. Prior to 1980 the subheading /secondary was not a valid MEDLINE subheading. Use of the subheading /secondary in Backfile searches will generally result in a NO POSTINGS message.

1983 MESH TREE  
ANNOTATIONS  
AVAILABLE

- The publication, MeSH Tree Annotations, 1983 may now be ordered from The National Technical Information Service (NTIS). The publication number is PB82-208653 and the price is \$13.00.

Users unfamiliar with this publication should note that the Annotations are specifically designed for medical indexers and searchers and have a twofold purpose: 1) to give a general statement on the approach an indexer or searcher should pursue to a given tree, and 2) to advise the indexer or searcher of special features within a given tree that he or she should be aware of before indexing or searching.

TEMPORARY LOGIN - MEDLARS Management plans to use a new login procedure  
PROCEDURE temporarily during February or March for the purpose of collecting data to improve our understanding of users' information needs. During a one-week trial period, searchers will be asked to identify the search requestor's profession and purpose of the search during the login procedure. The searcher will have to enter two-character alphanumeric codes before proceeding with searching. All responses will be analyzed in the aggregate only. The time required for login will not be billed to the user during this trial period.

MISSING - Two enclosures listed in the Table of Contents and in  
ENCLOSURES Technical Notes in the December 1982 Technical Bulletin were not received by many users. These items, the Tumor Key Errata and Indexing Technical Note #231, are included with this issue. We regret any inconvenience to our users.

Please also note that the NTIS publication number listed for the Tumor Key in the Technical Note about the enclosure was in error; the correct number is PB81-242208.

CLINPROT - The CLINPROT Index Term Listing for January 1983 is now  
INDEX TERM available. It may be requested from the International  
LIST Cancer Research Data Bank Program, 5333 Westbard Avenue, Westwood Building, Room 10A-18, Bethesda, MD 20205 or MEDLARS Management Section.

PHONES LIST - An updated list of available telephone numbers used to access the NLM computer is enclosed as Appendix A.

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AVAILABILITY OF NEW CHEMICAL TOOL  
Elizabeth J. Van Lenten, Ph.D., Index Section

The first publicly available edition of Medical Subject Headings--Supplementary Chemical Records, an important search tool for Index Medicus and Medline users, may now be ordered from the National Technical Information Service (Springfield, VA 22161). The 975-page publication, scheduled to appear next month, contains records on approximately 25,000 chemicals which have been identified in journals indexed for MEDLINE since 1970. Its price is \$22 (hard copy) and \$4.50 microfiche; the order number is PB83-140640.

This tool, which supplements the D category of Medical Subject Headings (MeSH), contains records of approximately 25,000 chemicals which, since 1970, have been identified in journals indexed for MEDLINE. It is, however, only a subset of the total number of chemical records in the online MeSH Vocabulary File since records of chemicals cited only once before 1978 and not again since then are not included in order to limit the publication to a manageable size. This publication reflects the status of the online file as of November 22, 1982, but new chemicals are added as they are identified throughout the year at a rate of over 400 per month.

The Chemical Records tool is intended to assist both indexers and users of Index Medicus and MEDLINE. Indexers use it to provide more specific entries (NM = name of substance) for chemicals than those available in the printed MeSH. For the user of Index Medicus, the tool provides the broader MeSH chemical heading (HM = heading mapped-to) from Category D under which citations referring to these specific chemicals can be found. The synonym field (SY) contains those synonyms for a given chemical which have appeared in indexed journals. These synonyms are also listed alphabetically as "see" references. The MEDLINE user may search for citations referring specifically to chemicals in this file using either the name or its synonyms or the Chemical Abstracts Service (CAS) Registry Number discussed below.

In addition to the main entry (NM) and heading mapped-to (HM) fields which are given for every chemical in this tool, other fields may also be present providing additional information when available. These fields include the CAS Registry Number or Enzyme Commission number (RN), synonyms (SY), pharmacological actions (PA) which have been attributed to the chemical in indexed journals, other indexing information (II) such as a disease term with the subheading /drug therapy, or the microorganism from which a toxin was isolated, and a note field (NO) for additional information not given in the other fields that may be potentially useful in identifying and characterizing a particular chemical substance.

This tool does not contain any of the chemical descriptors that are in the D category of MeSH, nor any terms which are synonyms for MeSH descriptors. The latter are found in the printed MeSH as "see" references and/or in the online MeSH Vocabulary File as BX entries.

The following sample entries from the new tool illustrate the format.

**alpha-1081**

(HM) \*CHOLESTENES  
 (HM) \*PROCETOFEN/analogs  
 (HM) DRUG COMBINATIONS  
 (PA) ANTILIPEMIC AGENTS  
 (NO) salt of cholesterylamine &  
 2-(4-(p-chlorobenzoyl)phenoxy)2-methylpropionic acid

**alpinigenine**

(RN) 14028-91-2  
 (HM) \*ALKALOIDS  
 (NO) alkaloid isolated from *Papaver bracteatum*;  
 structure

**1-ALPM see**

1-(2-allylphenoxy)-3-((8-amino-p-menthane-1-yl)amino)-  
 2-propanol

**8-ALPM see**

1-(2-allylphenoxy)-3-((1-amino-p-menthane-8-yl)amino)-  
 2-propanol

**althiazide**

(RN) 5588-16-9  
 (SY) altizide  
 (SY) altozide  
 (SY) 3-(allylthio)methyl-6-chloro-3,4-dihydro-2H-1,  
 2,4-benzothiadiazine-7-sulfonamide-1,1-dioxide  
 (HM) \*SULFONAMIDES  
 (PA) DIURETICS, THIAZIDE  
 (PA) ANTIHYPERTENSIVE AGENTS  
 (PA) DIURETICS, SULFAMYL  
 (II) JUVENILE HORMONES  
 (NO) structure in USAN 1980, p.21

**althiomycin**

(RN) 12656-40-5  
 (HM) THIAZOLES  
 (PA) ANTIBIOTICS  
 (NO) structure

**altik**

(HM) \*TOXAPHENE  
 (HM) \*INSECTICIDES,  
 ORGANOTHIOPHOSPHATE  
 (NO) no other information available 2/12/80

**altizide see** althiazide



THE FOLLOWING ARTICLE IS REPRINTED FROM THE JANUARY 1983 ISSUE  
OF THE NLM NEWS . . . .

New Regional Medical Library Configuration Announced  
Duane Arenales, Acting RML Coordinator, Library Operations

In January the National Library of Medicine completed reconfiguration of the Regional Medical Library (RML) Network from eleven to seven regions. This was the first major geographical change in the network's 15-year history. Through a competitive process, the following institutions have been awarded three-year contracts as the new Regional Medical Libraries:

- Region 1 - New York Academy of Medicine  
States served: CT, DE, MA, ME, NH, NJ, NY, PA, RI, VT, and Puerto Rico
- Region 2 - University of Maryland  
Health Sciences Library  
States served: AL, FL, GA, MD, MS, NC, SC, TN, VA, WV, and the District  
of Columbia
- Region 3 - University of Illinois at Chicago  
Library of the Health Sciences  
States served: IA, IL, IN, KY, MI, MN, ND, OH, SD, WI
- Region 4 - University of Nebraska  
Leon S. McGoogan Library of Medicine  
States served: CO, KS, MO, NE, UT, WY
- Region 5 - University of Texas  
Health Science Center at Dallas  
States served: AR, LA, NM, OK, TX
- Region 6 - University of Washington  
Health Sciences Library  
States served: AK, ID, MT, OR, WA
- Region 7 - UCLA Biomedical Library  
States served: AZ, CA, HI, NV

To ease the transition, NLM phased reconfiguration over a three-month period from the end of September 1982 through January 1, 1983. The first two awards, effective September 25, went to the University of Washington and the UCLA Biomedical Library, incumbent RMLs in the Pacific Northwest and Pacific Southwest. The award to the University of Texas, incumbent for the TALON Region, followed on November 1.

The New York Academy of Medicine was selected as the RML for the Greater Northeastern Region beginning December 1. The New England, New York and New Jersey, and Mid-Eastern regions and the Commonwealth of Puerto Rico merged to form this region, largest in number of health professionals served.

The final three awards have been made to the University of Maryland in Region 2, the University of Illinois in Region 3, and the University of Nebraska in Region 4, the Midcontinental Region. Region 2 was created by the union of the Mid-Atlantic and Southeastern Regions, and Region 3 consists of the former Kentucky-Ohio-Michigan and Midwestern Region plus the state of South Dakota. These three awards became effective January 1.

NLM, previously the headquarters for the Mid-Atlantic Regional Medical Library Program, will no longer serve as an RML. The Library, in accord with a recommendation of the NLM Board of Regents, will concentrate instead on its policy, management, and backup roles to the Network as a whole.

### Background

Current and anticipated budget constraints provided an impetus for the network reconfiguration. The primary aim of the new configuration is to provide more cost-effective regional groupings while preserving or improving the present level of information services to health professionals. In preparation for the change, NLM staff developed a number of reconfiguration options and revised the mission statement and goals. After review of the proposed changes by a panel of consultants, which included both health professionals and information experts, a final plan was recommended to the Board of Regents. This plan, approved at the October 1981 Board meeting, took advantage of the strong working relationships and programs developed over the past 15 years. It reduced the eleven regions to seven by merging the five Eastern seaboard regions into two large groupings (one in the Northeast, the other in the Southeast) and by combining the two existing Midwest regions. The Midcontinental, Southcentral, Pacific Northwest and Pacific Southwest Regions were to remain unchanged.

After announcement of the proposed boundaries, NLM made only two minor modifications. Puerto Rico was realigned from the Southeast to the Northeast and South Dakota from the Midcontinental Region to the Midwest, the new Region 3. These decisions were made after discussions with concerned health professionals and health science librarians in the two areas.

While the geographical changes were resolved, work proceeded on a Request for Proposals (RFP) from institutions wishing to serve as RMLs in the reconfigured regions. The RFP was issued in February 1982. It initiated the almost year-long competitive process which led to the selection of seven RMLs and the completion of reconfiguration effective January 1.

### Implementation

Now that reconfiguration is complete, the focus shifts to implementation. The RML program for fiscal year 1983 through fiscal year 1985 will emphasize improved access to biomedical information for the health professional. In addition to managing regional programs in accord with national goals, enhancing of services at individual libraries, and promoting resource sharing activities, the RMLs are also expected to introduce innovative uses of the latest technology to improve information services.

A basic national goal for the three-year period is to provide health professionals, wherever located, with a minimum acceptable level of information service. The RFP asked applicants to identify geographical areas, if any, where there were health professionals with poor access to information and to develop ways of improving their access. This is a key element in all seven Regional Service Plans.

The new contracts continue to emphasize document delivery. Support is directed to the first stages of the process: developing and maintaining regional collections and locating and requesting documents. This includes continued development of union lists and locator tools and increased utilization of electronic transfer of ILL requests.

The RML program also continues the support programs that improve service to health professionals through improving the skills of information providers. Here the emphasis is on providing basic training for nonprofessional library personnel. Professional societies such as the Medical Library Association, library schools, and other organizations are looked to for more advanced educational programs.

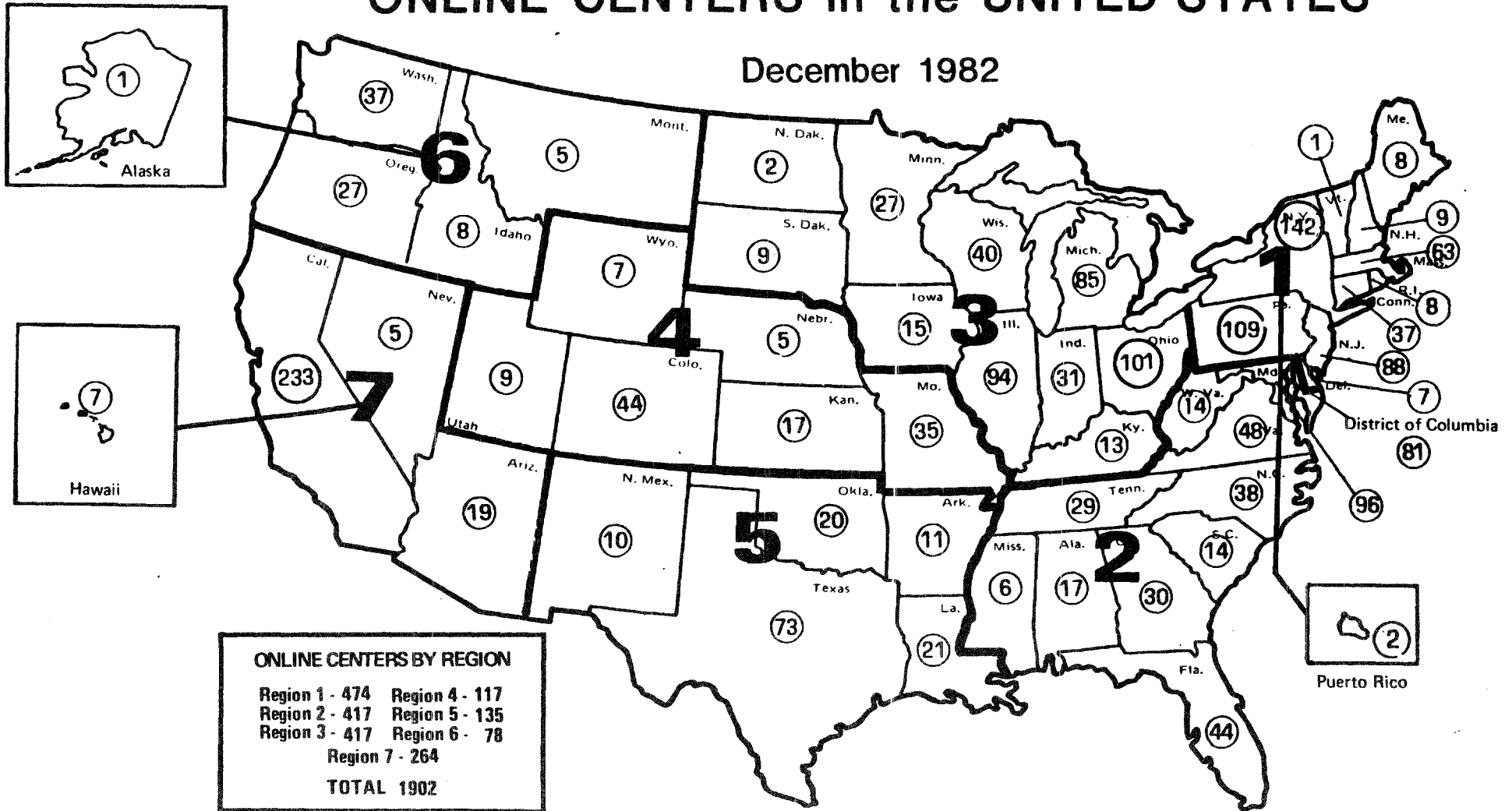
Network funding at a level of approximately \$2.5 million dollars is anticipated for FY 1983 with no increase in the two succeeding years. For this reason cost recovery is encouraged as a general principle and mandated in certain activities. In the first year of the contract period, RMLs are required to recover a minimum of 25% of the cost of presenting individual workshops and providing initial consultations. NLM will support the remainder of the costs. By the third year of the contract, the proportion will shift to 75% cost recovery and 25% Federal support. According to Lois Ann Colaianni, Acting Associate Director for Library Operations, this approach is expected to lead to self-sustaining basic training and consultation programs.

Ms. Colaianni also emphasized the importance of evaluation during the coming three years. "Although the RML Network is 15 years old," she said, "we cannot take its continued existence for granted. We must continue to assess its value to the health professional community. To do this we need improved methods of evaluation for all RML programs in order to determine if they are achieving Network goals, to demonstrate their benefits in concrete terms, and where possible, to discover if there are needs that are not being met. Development and implementation of such evaluation efforts is a high national priority."

Map of the RML configuration, next page . . . . .

# National Library of Medicine ONLINE CENTERS in the UNITED STATES

December 1982



NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - December 1982  
 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 PERSONALITY ASSESSMENT  
 1,1982--  
 LAWRENCE ERLBAUM ASSOCIATES  
 HILLSDALE NJ UNITED STATES  
 ON ORDER  
 A14975000

CURRENT REVIEWS IN CLINICAL ANESTHESIA  
 1,1982--  
 CURRENT REVIEWS  
 MIAMI LAKES FL UNITED STATES  
 CURRENT REVIEWS, 15327 NORTH WEST 60TH AVE  
 SUITE 215, MIAMI LAKES FL 33014  
 ON ORDER  
 C57293000  
 \$185.00

DIAGNOSTIC IMMUNOLOGY  
 1,1983--  
 ALAN R. LISS  
 NEW YORK UNITED STATES  
 ALAN R. LISS, INC., 150 FIFTH AVENUE, NEW  
 YORK NY 10011  
 ON ORDER  
 D09578000  
 \$90.00

DIAGNOSTIC MICROBIOLOGY AND INFECTIOUS  
 DISEASES  
 1,1983--  
 ELSEVIER SCIENCE PUBLISHING  
 AMSTERDAM NETHERLANDS  
 ELSEVIER SCIENCE PUBLISHING CO., 52  
 VANDERBILT AVENUE, NEW YORK NY 10017  
 ON ORDER  
 D09605000  
 \$60.00

EFFECTIVE HEALTH CARE  
 1,1983--  
 ELSEVIER SCIENCE PUBLISHING  
 AMSTERDAM NETHERLANDS  
 ELSEVIER SCIENCE PUBLISHING CO., 52  
 VANDERBILT AVENUE, NEW YORK NY 10017  
 ON ORDER  
 E02970000  
 \$48.00

GENE ANALYSIS TECHNIQUES  
 1,1983--  
 ELSEVIER SCIENCE PUBLISHING  
 AMSTERDAM NETHERLANDS  
 ELSEVIER SCIENCE PUBLISHING CO., 52  
 VANDERBILT AVENUE, NEW YORK NY 10017  
 ON ORDER  
 G03755000  
 \$60.00

HEALTH MARKETING QUARTERLY  
 INI, SEP 1983--  
 HAWORTH PRESS  
 SUPERSEDES: HEALTH AND MEDICAL CARE  
 SERVICES REVIEW.  
 NEW YORK UNITED STATES  
 ON ORDER  
 H06495000

INTEGRATIVE PSYCHIATRY  
 1,1983--  
 ELSEVIER SCIENCE PUBLISHING  
 AMSTERDAM NETHERLANDS  
 ON ORDER  
 I18495000  
 \$84.00

INTERNATIONAL JOURNAL OF MICROCIRCULATION:  
 CLINICAL AND EXPERIMENTAL  
 INI, 1982--  
 MARTINUS NIJHOFF MEDICAL  
 HAGUE NETHERLANDS  
 ON ORDER  
 I27287000  
 \$70.00

INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY  
 1,1983--  
 ELSEVIER SCIENTIFIC PUBLISHING  
 AMSTERDAM NETHERLANDS  
 ON ORDER  
 I27890000

JAPAN HOSPITALS  
 NI, JUL 1982--  
 JAPAN HOSPITAL ASSOCIATION  
 TOKYO JAPAN  
 IN PROCESS  
 J03590000

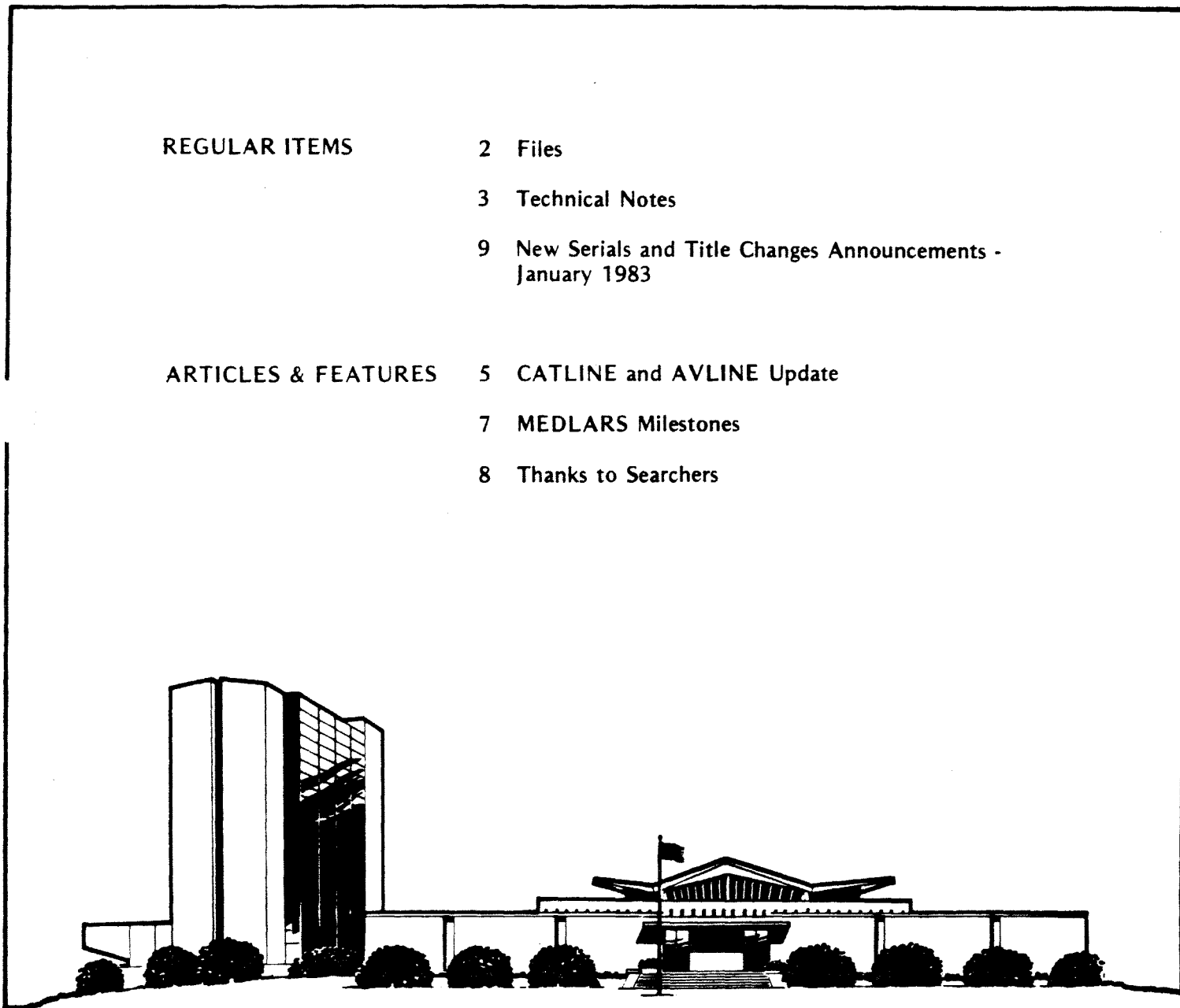
JOURNAL OF MICROBIOLOGICAL METHODS  
 1,1983--  
 ELSEVIER SCIENCE PUBLISHING  
 ORIGINALLY ANNOUNCED AS JOURNAL OF  
 BACTERIOLOGICAL METHODS  
 AMSTERDAM NETHERLANDS  
 ON ORDER  
 J29905000  
 \$90.00

JOURNAL OF NEUROGENETICS  
 1,1983--  
 ELSEVIER SCIENCE PUBLISHING  
 AMSTERDAM NETHERLANDS  
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 J31025000  
 \$90.00



# THE NLM TECHNICAL BULLETIN

|                     |   |
|---------------------|---|
| REGULAR ITEMS       | 2 Files   |
|                     | 3 Technical Notes   |
|                     | 9 New Serials and Title Changes Announcements -<br>January 1983 |
| ARTICLES & FEATURES | 5 CATLINE and AVLINE Update                                     |
|                     | 7 MEDLARS Milestones  |
|                     | 8 Thanks to Searchers   |



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| DATABASE     | TOTAL RECORDS | DATES COVERED             | DATE LAST UPDATED | LATEST UPDATE TAG |
|--------------|---------------|---------------------------|-------------------|-------------------|
| AVLINE       | 11,324        | THROUGH 1983              | 18 FEB 83         |                   |
| BIOETHICS    | 14,288        | JAN 73-JUL 82             | 31 JAN 83         | 8301(EM)          |
| CANCERLIT    | 336,946       | JAN 63-FEB 83             | 21 FEB 83         | 8302(EM)          |
| CANCERPROJ   | 21,117        | 1978-1981                 | 12 NOV 81         | 8110(EM)          |
| CATLINE      | 500,083       | THROUGH 1983              | 18 FEB 83         |                   |
| CHEMLINE     | 551,628       |                           | 03 JAN 83         | 8212(EM)          |
| CLINPROT     | 3,685         |                           | 21 FEB 83         | 8303(EM)          |
| HEALTH       | 225,304       | JAN 75-MAR 83             | 14 FEB 83         | 8303(EM)          |
| HISTLINE     | 52,856        |                           | 06 JAN 83         | 8301(EM)          |
| MEDLINE      | 723,935       | JAN 80-MAR 83             | 07 FEB 83         | 8303(EM)          |
| MED77        | 775,423       | JAN 77-DEC 79             | 13 DEC 82         |                   |
| MED75        | 642,927       | JAN 75-DEC 76             | 13 DEC 82         |                   |
| MED71        | 884,104       | JAN 71-DEC 74             | 13 DEC 82         |                   |
| MED66        | 955,058       | JAN 66-DEC 70             | 13 DEC 82         |                   |
| MESH VOC     | 46,421        | 1983                      | 21 FEB 83         |                   |
| NAME AUTH    | 141,919       |                           | 21 FEB 83         |                   |
| PDQ          | 921           |                           | 31 JAN 83         | 8301(EM)          |
| POPLINE      | 108,243       | 1970-FEB 83               | 14 FEB 83         | 8302(EM)          |
| RTECS        | 57,085        | 1979 ED.-OCT 82           | 06 DEC 82         |                   |
| SDILINE      | 25,630        | MAR 83                    | 07 FEB 83         |                   |
| SERLINE      | 40,760        | 1983                      | 18 JAN 83         |                   |
| TDB          | 4,017         |                           | 22 NOV 82         |                   |
| TOXLINE      | 534,391       |                           | 24 JAN 83         | 8301(EM)          |
| CBAC         | 266,349       | 1979-VOL 97(12,13), 98(1) |                   |                   |
| TOXBIB       | 90,673        | 1979-FEB 83               |                   |                   |
| IPA (ASHP)   | 19,437        | 1979-VOL 19(21-23)        |                   |                   |
| HEEP         | 42,457        | 1979-VOL 12(1,2)          |                   |                   |
| 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.

CANCERLIT SDIs - Automatic SDI searches were run against the 8301 update of CANCERLIT on January 18 before the file was regenerated on February 21 to reflect 1983 MeSH changes. Users who have modified their stored searches with MeSH terms that are new or changed for 1983, and who feel that their use of these terms will significantly impact on their January SDI retrieval, may contact MEDLARS Management and request that the affected searches be rerun. Only searches which contain terms from the lists entitled "New Headings" on pages XI-XVII AND XXX-XXXI of MEDICAL SUBJECT HEADINGS ANNOTATED ALPHABETIC LIST, 1983 will be affected.

PRE-EXPLOSIONS FOR 1984 MeSH VOCABULARY - Users are invited to suggest pre-explosions for the 1984 MeSH Vocabulary. Please call or write the MEDLARS Management Section with ideas before April 1, 1983.

MeSH VOCABULARY FILE BACKFILE POSTINGS - MeSH VOCABULARY FILE backfile postings have been changed to reflect the number of asterisked and non-asterisked postings for each MeSH Heading in the MED66 (M66), MED71 (M71), MED75 (M75), and MED77 (M77) files.

CHARGES EXPLAIN - The CHARGES EXPLAIN has been updated to reflect the charges effective January 1, 1983. To obtain an online listing of charges, type any of the following:

EXPLAIN CHARGES or EXPLAIN PRICES or EXPLAIN COST

USE OF A QUOTATION MARK WITH COMMANDS - Prior to July 3, 1978, users of the MEDLARS system were required to input commands with an initial quotation mark ("). Since that date, most commands may be entered without the quotation mark, although the option of inputting commands with the quote is still available. Commands entered without the quotation mark must be entered as the first word on an input line (after a User cue), and the command name must begin in the first space; that is, no characters or spaces may precede the command name on the input line. If a space or another character precedes the command name, either because of noise on the communications line or because a space bar or character key has been hit, a NO POSTINGS (NP) message may result. (In some cases retrieval may be received to the term if it matches an appropriate term in the index file of the database; please see the Technical Note in the September 1982 Technical Bulletin, p. 4, titled "Searching

Terms That Are Also Commands," for specific examples.) If this keeps occurring unintentionally in one terminal session, that is, the NO POSTINGS message or retrieval is continuously received when a command is input, there is probably excessive noise on the communications line that should be reported to the MEDLARS Management Section. To avoid the annoyance of NO POSTINGS messages or unwanted retrieval in the interim, a quotation mark may be used with the command name. It will always cause the computer to accept the command regardless of any spurious characters preceding the command.

TRUNCATION IN SAVESEARCH - Truncated terms entered online following a SAVESEARCH command will not generate a multi-meaning message. Instead, the computer will default to retrieving all terms beginning with the truncated root. Conversely, truncated terms entered prior to the issuance of a SAVE command will generate a multi-meaning message. However, upon execution of a search saved using either the SAVE or the SAVESEARCH command, no multi-meaning message will be generated; the computer will again default to retrieving all terms beginning with the truncated root. Since the roots of terms may vary in different databases, it is possible to get unexpected results when a truncation is used in searching across files.

EXPLOSION MULTI-MEANING MESSAGES IN SAVESEARCH - When a MeSH Heading that occurs in more than one tree is Exploded following the issuance of a SAVESEARCH command, a multi-meaning message will result. One tree number may then be chosen to be Exploded. Upon execution of this SAVESEARCH online in other databases containing MeSH Headings, a multi-meaning will again be generated and the user may choose one tree number to be Exploded. The Explosion multi-meaning does not default to Exploding all the tree numbers when executed online. (Remember, however, in an OFFSEARCH, if a SAVESEARCH containing an Explosion that generates a multi-meaning is executed, the computer will default to Exploding all tree numbers.)

CHANGES TO POPLINE SORTS (Manual 5.4.2.1) - On February 14, 1983, the following changes affecting the order of data element sorting were made to two POPLINE precoded sorts:

| <u>PRECODED SORT</u> | <u>OLD ORDER OF SORT</u> | <u>NEW ORDER OF SORT</u> |
|----------------------|--------------------------|--------------------------|
| AUTI                 | AU A, CN A, TI A         | CN A, AU A, TI A         |
| TIAU                 | TI A, AU A, CN A         | TI A, CN A, AU A         |

A = Ascending (A-Z, 0-9)  
 AU = Author  
 CN = Corporate Name  
 TI = Title

CATLINE and AVLINE Update  
 Sally K. Sinn, Cataloging Section, NLM

The annual file regeneration for data element changes and updates of Main Headings to 1983 MeSH for CATLINE and AVLINE records was completed in January. On February 2, the new versions of CATLINE and AVLINE became available to ELHILL network users. The changes described below fall into two general categories: 1) additions or modifications to the data element structure, and 2) changes to data content in certain designated elements and, except where noted, apply to both CATLINE and AVLINE.

1. New Element - Conference Name as Subject (CNS)

A new data element has been added for conference or meeting names used as subjects of cataloged works. The format of the Conference Name as Subject field, with the category qualifier CNS, is the same as for the Conference Name (CNA) field, containing 5 possible subelements for 1) meeting name, 2) number, 3) date, 4) place, and 5) title associated with the name.

EXAMPLE:

Conference on Alcoholism (4th : 1980 : El Paso, Tex.)  
 appears in CATLINE/AVLINE as  
 CONFERENCE ON ALCOHOLISM/4TH/1980/EL PASO, TEX./

The Conference Name as subject is Text Word searchable and directly searchable. For direct searching of conference names, the heading should be entered with blank spaces substituted for the subelement separator "/" and truncation before the 36th character.

EXAMPLE:

SS 1/ C?  
 CONFERENCE ON ALCOHOLISM 4TH:

The Conference Name as Subject field will display in the Print, Print Full, Print Detailed and Print CC options. In the Print CC format, the Conference Name as Subject will appear as an Arabic numeral tracing as do all other topical and name subject headings.

2. Modifications to Data Elements

Series (SE) (CE) (PE)

The format of numbered series appearing in the Series Title (SE), Corporate Author/Title Series (CE), and Personal Author/Title Series (PE) fields was changed to include the volume or issue designation, e.g. "v." or "no." or "Bd.", with the volume number in the second subelement. This shifting of the volume designation from the first subelement, which contains the series title, to the second subelement, which contains the volume/issue number, will make the format of the series fields

in CATLINE and AVLINE more consistent with the U.S. MARC (Machine-Readable Cataloging) format.

EXAMPLE:

Old format: CURRENT PROBLEMS IN PEDIATRICS ; V./11, NO. 7

New format: CURRENT PROBLEMS IN PEDIATRICS ;/V. 11, NO. 7

Call Number Parsed (CP)

The Call Number Parsed (CP) field was first implemented in CATLINE for the retrospective records added from NLM's shelflist conversion project (see NLM Technical Bulletin, June 1981, page 6). During this January regeneration, the call numbers in the CA field of all CATLINE and AVLINE records were copied over to the CP field and parsed into separate subelements for the library symbol, the classification portion, Table G notation, Cutter number, volume number, and year. The existing Call Number (CA) fields in CATLINE and AVLINE records remain unchanged. The parsed call number versions will be used for internal NLM processing, particularly for generating shelflist order sorting of the catalog records. The Call Number Parsed (CP) is not searchable and it displays only in the Print Detailed format.

3. Data Content Changes

Library Symbol (LY)

To conform to the new configuration of regions in the Regional Medical Library Network, the values of several Library Symbols used to identify the source of call numbers in CATLINE and AVLINE have changed. The 04NLM library symbol is now 02NLM, 02SSY is now 01SSY and 11CLA is now 07CLA. The Library Symbol (LY) is directly searchable and displays as the last subelement in the Call Number (CA) field in the Print, Print Full, and Print Detailed options.

Series

The form of series heading for several of the most extensive series in CATLINE was modified to conform to the Anglo-American Cataloguing Rules, 2nd edition (AACR2) and Library of Congress rule interpretations for series headings. The changes include:

| <u>Old Form</u>                                       | <u>New Form</u>   |
|---|---|
| Excerpta medica : International congress series ; no. | International congress series ;<br>(Note: "no." designation is now part of issue number subelement) |
| Sweden. Statens offentliga utredningar                | Statens offentliga utredningar ;  |
| National League for Nursing. Publication ; no.        | Pub. (National League for Nursing) ;  |

Several of the most frequently occurring personal name headings and corporate name headings in CATLINE were changed in the cataloging records to conform to the AACR2 evaluated form of heading in NLM's Name Authority File (NAF). These revisions to name headings in the NAF were previously announced in the quarterly issues of Notes for Medical Catalogers.

4. New Search Capability

Key words from the title subelement for any author/title added access point in CATLINE and AVLINE are now Text Word searchable. This includes the following elements which may contain title subelements associated with the names: Personal Name (PN), Personal Name as Subject (PS), Corporate Name (CN), Corporate Name as Subject (CS), Conference Name (CNA), and Conference Name as Subject (CNS). Previously, the title elements of these fields could be retrieved only through searching the first subelement (name) portion.

EXAMPLE:

PN WOOD, RAYMOND G./////COMPUTERS IN RADIOTHERAPY, PHYSICAL ASPECTS

may be retrieved in a Text Word search for:

SS 1/ C? (TW) COMPUTERS AND RADIOTHERAPY AND PHYSICAL

5. Deletion of Non-Print MeSH Headings (MH) in AVLINE

In response to requests from online searchers, a number of "non-print" MeSH Heading/topical subheading combinations have been deleted from AVLINE records. These headings did not reflect the central concept of the item, and were assigned when depth indexing was applied to audiovisual titles. The headings were identified for deletion by the absence of the print indicator (asterisk). Deletion of the headings makes these AVLINE records consistent with currently cataloged items, where all MeSH Headings (MH) are assigned as central concepts.

The recent regeneration of the file could not remove all of these MeSH Headings (MH); however, the remainder will be identified and individually corrected during 1983.

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MEDLARS MILESTONES

On February 9, 1983, daily system usage reached 1,000 connect hours for the first time since NLM's online system was established.

On February 10, 1983, the 500,000th record was added to NLM's CATLINE file. The growth of the file has been accelerated over the past three years by the addition of over 260,000 records from the Retrospective Conversion of NLM's Shelflist.

THANKS TO SEARCHERS

Thanks to all searchers for their cooperation during the recent change in the NLM login procedure. The login was modified for one week, February 14-18, 1983, to include a request for information as to the search requester's profession and the purpose of the search. Multiple choice answers were provided for ease of completion. The searcher responded with a two-character alphanumeric code for each search. The complete text is reproduced below for those who may not have used the system during the week of the modified login.

NLM TIME 16:29:26 DATE 83:046 LINE 03A

HELLO FROM ELHILL AT NLM.

YOU ARE NOW CONNECTED TO THE MEDLINE FILE.

THE MEDLARS MANAGEMENT SECTION IS TEMPORARILY USING A NEW LOGIN PROCEDURE THAT IS INTENDED TO IMPROVE OUR UNDERSTANDING OF USERS' INFORMATION NEEDS. FOR A ONE WEEK TRIAL PERIOD, YOU WILL BE ASKED TO IDENTIFY -- AT LOGIN -- THE SEARCH REQUESTER'S PROFESSION AND PURPOSE OF SEARCH. ALL RESPONSES WILL BE ANALYZED IN THE AGGREGATE ONLY. PLEASE USE THE ALPHANUMERIC CODES LISTED BELOW. YOU WILL BE CREDITED FOR THE TIME TO COMPLETE THIS QUERY. THANK YOU FOR YOUR COOPERATION.

SEARCH REQUESTER'S PROFESSION:

- 1 = PHYSICIAN
- 2 = DENTIST
- 3 = NURSE
- 4 = SCIENTIST
- 5 = STUDENT
- 6 = LIBRARIAN/INFORMATION SPECIALIST
- 7 = OTHER      8 = UNKNOWN

PURPOSE OF SEARCH:

- A = PATIENT CARE
- B = EDUCATION
- C = RESEARCH/TESTING
- D = MANAGEMENT/ADMIN.
- E = REGULATION
- F = OTHER
- G = UNKNOWN

FOR EXAMPLE, IF THE SEARCH REQUESTER IS A 'PHYSICIAN' WHO REQUIRES INFORMATION FOR 'PATIENT CARE', PLEASE TYPE '1A'. HOWEVER, IF THE SEARCH SESSION WILL INVOLVE SEVERAL DISTINCT SEARCHES, PLEASE INCLUDE A 'REQUESTER/PURPOSE' FOR EACH, SEPARATED BY COMMAS, E.G., '1A, 1A, 2C'

PLEASE ENTER YOUR RESPONSE:

USER:

In order to compensate our users for the time used during this login procedure, an invoice credit will be given for each login during the week of February 14-18.

NEW SERIALS AND TITLE CHANGES ANNOUNCEMENT - January 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 COGNITIVE-BEHAVIORAL RESEARCH  
 1,1982--  
 ACADEMIC PRESS  
 LONDON ENGLAND  
 ON ORDER  
 A13666000

JOURNAL OF SOCIAL AND CLINICAL PSYCHOLOGY  
 1,1982?--  
 GUILFORD PRESS  
 NEW YORK UNITED STATES  
 ON ORDER  
 J38513000  
 \$45.00

CARDIOLOGY ALERT  
 1,1982--  
 WARREN, GORHAM AND LAMONT  
 BOSTON UNITED STATES  
 ON ORDER  
 C07343000  
 \$44.00

PERSPECTIVES IN ASTHMA  
 1,1982--  
 ACADEMIC PRESS  
 LONDON ENGLAND  
 IN PROCESS  
 P08886000

CENTENNIAL PSYCHOLOGY SERIES  
 1,1982--  
 PRAEGER  
 NEW YORK UNITED STATES  
 ON ORDER  
 C11125000

IM STATISTICAL BULLETIN / METROPOLITAN LIFE  
 FOUNDATION  
 63N1,1982--  
 METROPOLITAN LIFE FOUNDATION  
 CONTINUES STATISTICAL BULLETIN,  
 METROPOLITAN LIFE INSURANCE COMPANY  
 NEW YORK UNITED STATES  
 METROPOLITAN LIFE INSURANCE CO., 1 MADISON  
 AVE., NEW YORK, NY 10010  
 IN PROCESS  
 S38630000

DEVELOPMENTS IN BIOMECHANICS  
 1,1982--  
 NIJHOFF  
 THE HAGUE NETHERLANDS  
 MARTINUS NIJHOFF PUBLISHERS, P.O. BOX 566,  
 2501 CN THE HAGUE, NETHERLANDS  
 IN PROCESS  
 D08244000

WEST AFRICAN JOURNAL OF MEDICINE  
 1N1,1981--  
 WEST AFRICAN COLLEGE OF PHYSICIANS AND WEST  
 AFRICAN COLLEGE OF SURGEONS  
 LAGOS NIGERIA  
 WEST AFRICAN JOURNAL OF MEDICINE, 6 TAYLOR  
 DRIVE, EDMUND CRESCENT, P.M.B. 2023, YABA,  
 LAGOS, NIGERIA  
 IN PROCESS  
 W03190000  
 \$25.00

ELECTRON MICROCOPY OF PROTEINS  
 1,1981--  
 ACADEMIC  
 LONDON ENGLAND  
 ACADEMIC PRESS INC. (LONDON) LTD., 24/28  
 OVAL R.D., LONDON NW1, ENGLAND  
 IN PROCESS  
 E05175000

GASTROENTEROLOGY  
 1,1983--  
 ELSEVIER BIOMEDICAL  
 AMSTERDAM NETHERLANDS  
 ON ORDER  
 G01915000

