



LIBRARY NETWORK / MEDLARS TECHNICAL BULLETIN

of the

Library Component of the Biomedical Communications Network

No 81

January 197

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
of the
Library Component of the Biomedical
Communications Network

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The LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
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Associate Director for Library Operations.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with
February 1976 citations at NLM and SUNY on
January 12. The sizes, Index Medicus date
ranges, and entry date ranges are given
below:

MEDLINE	(Jan 74 - Feb 76)	- 486,937
	(Entry Dates: 731130 to 760102)	
SDILINE	(Feb 76)	- 21,138
	(Entry Dates: 751210 to 761012)	

ON-LINE TECHNICAL NOTES

PLEASE QUERY THE NLM/ON-LINE NEWS FILES DAILY FOR SPECIAL NOTICES AND MESSAGES

Whenever applicable, in the margin beside each Technical Note, users will be referred to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that in many instances the item may also pertain to other sections of the Manual.

HEAD A#D
NECK
NEOPLASMS
(Manual III-15)

The former MeSH heading NECK NEOPLASMS is now an entry term to HEAD AND NECK NEOPLASMS. Since HEAD is also a bona fide MeSH heading, the user who fails to disguise the AND of HEAD AND NECK NEOPLASMS with the hash mark (e.g., A#D) will not receive a NO POSTINGS message. Instead, he will retrieve articles indexed for both HEAD and HEAD AND NECK NEOPLASMS. These, of course, are only a fraction of the articles that would be retrieved by the search HEAD A#D NECK NEOPLASMS.

CANCERPROJ
AVAILABILITY

CANCERPROJ, a data base containing summaries of ongoing cancer research projects, became available to MEDLINE and TOXLINE users via the NLM computer on November 18, 1975. The file contains research projects awarded during the fiscal years 1974 and 1975, and can be accessed by entering "FILE CANCERPROJ" after login. A brief description of the file may be obtained by entering the command "EXPLAIN UNIT RECORD" once the file has been accessed. Additional information about this new data base may be found in the article on page of this issue of the Technical Bulletin.

SPECIAL LIST
TITLES,
POSTINGS
(Manual V-9)

Due to the process of converting from the MEDLARS I to the MEDLARS II format, the postings for a search on a Special List Indicator (LI) often differed from that of a search on the Special List Main Heading (e.g., SPECIAL LIST NURSING) for a given subset of the MEDLARS data base. Therefore, the searcher has had to search on both the Special List Main Heading and the Special List indicator in order to retrieve the entire set of relevant documents for any one of the Special List subsets. This situation has now been corrected in the MEDLINE file, and the user need no longer search on both the Main Heading and the indicator to retrieve all citations for a given Special List category. In the BACKFILES, the problem remains only with the SPECIAL LIST NURSING titles. The following search strategy must still be used in the BACKFILES when searching the SPECIAL LIST NURSING subset.

SPECIAL LIST NURSING (MH) OR N (LI)

AVLINE

On December 19, 1975, letters were sent to all MEDLINE centers from the office of the Associate Director for Library Operations, NLM, announcing the availability of the new AVLINE data base effective January 12, 1976. Charges for use of the AVLINE file will begin on February 1 and not January 1 as previously announced.

AVSTAT

AVSTAT has been delayed until further notice.

AV CATALOG

Specifications for the development of an annual AV Catalog which will include the current AVLINE data base have been prepared. This will be in a format similar to the Current Catalog. Publication details will be announced in the near future.

POSTINGS,
NLM vs. SUNY

Because of NLM's file maintenance procedures, the postings retrieved in a search may differ by a few citations depending on whether the user is searching at NLM or SUNY. Each month the new month's citations are sent to SUNY. A tape of the file maintenance actions which have taken place at NLM during the month is also sent. Substantial differences in the number of citations retrieved at SUNY and NLM by the same search strategy should be reported to MEDLARS Management Section.

COMMANDS,
QUOTATION
MARKS
(Manual III-29)

Commands may be entered with or without a closing quotation mark, but the opening quotation mark is required at all times. For instance, the PRINT command could be entered as either "PRINT or "PRINT".

PRINTING
RETRIEVAL
(Manual III-29)

Reminder: Print commands will print the citations from the last search statement which had positive retrieval. That is, if a search statement is entered which results in '0' retrieval, and it is followed by one of the "PRINT" commands, the citations printed will be from the most recent search statement which yielded postings.

TYMSHARE NUMBERS,
KALAMAZOO, MI
NEW YORK, NY
SAN FRANCISCO, CA
(Manual II-9)

1) There is a new Tymshare node in Kalamazoo, Michigan (616/385-3150). This node accepts Correspondence Code.
2) A New York City Tymshare number has been discontinued (212/750-9445). 3) The San Francisco, California Tymshare node (414/421-9240) has been changed from Correspondence Code (C) to EBCDIC (E).

STRINGSEARCH
DEFAULT,
CANCERLINE
CANCERPROJ
(Manual III-16.3)

The default field for STRINGSEARCH (TS) in both CANCERLINE and CANCERPROJ is the abstract and not the title as in MEDLINE.

TRAINING,
MEDLINE

The schedule of MEDLINE training classes to be held at NLM throughout 1976 has been finalized. The dates and types of classes are as follows:

January 12 - 30	On-Line Services (3-week)
March 8 - 12	Advanced MEDLINE (1-week)
April 12 - 16	Introductory MEDLINE (1-week)
May 17 - 21	Advanced MEDLINE (1-week)
July 12 - 30	On-Line Services (3-week)
September 13 - October 1	On-Line Services (3-week)
October 18 - 22	(1-week)*
November 1 - 19	On-Line Services (3-week)
December 13 - 17	(1-week)*

*Advanced or Introductory MEDLINE as needed to meet the demand from the field.

For further information on the various types of training programs, please see the October 1975 issue of the Technical Bulletin (page 12).

EPILEPSY,
AVAILABILITY

EPILEPSY is a new file available at NLM which contains bibliographic citations to articles on epilepsy appearing in scientific journals which have been abstracted by Excerpta Medica. The file is presently available to all U.S. MEDLINE/TOXLINE/CANCERLINE centers. The EPILEPSY data base will continue to undergo development; it currently contains 16,231 records from 1945 to 1973. The file may be accessed with the command "FILE EPILEPSY, after login. The command "EXPLAIN UNIT RECORD will provide a description of the file and a list of the searchable elements. The searching default in the EPILEPSY file is ALL.

PROPOSED CONVERSION FROM TSO TO TCAM MESSAGE HANDLER AS NLM'S
TELEPROCESSING INTERFACE

Davis B. McCarn, Office of Computer and Communications Systems, NLM
and
Joseph Leiter, Ph.D., Library Operations, NLM

NLM is now developing and will be testing a new teleprocessing interface for the ELHILL program to convert from TSO (Time Sharing Option) to a tailored message handler supported by TCAM (TeleCommunications Access Method). If testing demonstrates that significant improvement in performance can be accomplished with a capability for increasing user load, we will be switching over to this new interface. Since testing may begin in late January and the switchover made before the next Technical Bulletin is published, the details of the procedures for using the TCAM interface are being presented at the present time for your study.

The reason for this proposed change is that tests by IBM, Federal Simulation Center, and NLM's Office of Computer and Communications Systems, have shown that TSO takes up an inordinate portion of the available computer processor, resulting at peak load periods in very long response time. Although it is estimated that the current configuration under TSO could support more simultaneous users, the current level of background batch processing for systems maintenance and production of NLM products effectively limits the number of users to approximately 60.

The proposed TCAM message handler should provide an improved service by reducing response time and accommodating a larger number of users. The reduction in computer requirements for TSO should also make it possible to support two copies of the ELHILL program which will permit better load balancing and produce an even greater capacity for supporting a larger number of users. The number of users which can be supported under these proposed changes cannot be determined at this time until further testing is completed.

In most respects the operation of ELHILL under the TCAM message handler will be the same as under TSO. The major differences will be found in the log-in procedure and in the loss of some TSO capabilities not directly related to ELHILL. These differences will be outlined below.

The Log-in Procedure - Direct

The log-in procedure for users dialing NLM directly will be as follows:

USER	/LOGIN
PROGRAM	PLEASE ENTER USERID
PROGRAM/USER	***** User enters 5-character ID on top of pattern of hash marks and asterisks
PROGRAM	HELLO FROM ELHILL...

Note that the only form of the log-in that will connect the user to ELHILL is /LOGIN. If the user enters LOGON and a five-character code, as was formerly permissible, he will be connected to TSO. But since TSO no longer interfaces ELHILL, the user will not be able to go directly from TSO to ELHILL. TSO will respond with a message telling the user how properly to log in in order to access ELHILL.

The new log-in procedure is a two-step process in which the user enters /LOGIN and the message handler prompts him for the user ID. In the process the teleprocessing interface provides a security feature by printing a pattern of hash marks and asterisks on top of which the user enters his ID. The user follows his ID with a carriage return and is directly connected to ELHILL.

The Log-in Procedure - Network

When logging in to NLM through Tymshare the user still has the option of a one-step or a three-step process.

In one step:

```
PLEASE LOGIN:    NLM;BCN; carriage return
```

in three steps:

```
PLEASE LOG IN:  NLM (CR)
PASSWORD:      BCN (CR)
;              carriage return
```

In both cases the third piece of intelligence entered by the user is a carriage return. This causes TCAM to prompt with

```
PLEASE ENTER USERID
```

and from this point the network log-in is the same as the direct dial.

The log-in procedures for users of the ARPA and TWX networks are unchanged except for the mandatory use of /LOGIN and the omission of MED from the user ID.

Logging Off

The procedure for logging off is the same as it was under TSO. The user enters "STOP" and is prompted for an @ sign. The system responds to the user's YES with GOODBYE, which disconnects the user from the NLM computer.

Passwords

The TCAM message handler has no provision for special passwords. They should not be necessary, since the message handler blacks out the space where the user enters his ID. If it becomes necessary, it may be possible to build password protection into ELHILL, but this does not exist at present.

Error Correction

The backward arrow may no longer be used to correct a single character. All other error correction procedures are unchanged.

Broadcast Messages

There is no provision in the new teleprocessing interface for broadcast messages. Urgent messages will be in the ELHILL NEWS.

News

The many NEWS files available to users under TSO will not be available with the TCAM message handler. Important news items will be available through the "NEWS command in ELHILL. There will be no other NEWS files. The list of Tymshare access numbers, formerly available in PHONES will be published quarterly in the Technical Bulletin. The content and coverage of the various data bases, formerly in FILES, will be published monthly in the Technical Bulletin.

Number of Users on the System

The information, formerly available via the "USERS command in ELHILL, the USERS command in TSO, and automatically during the TSO Log-on process is now available only through the "USERS command in ELHILL. The TCAM message handler does not automatically declare the number of users on the system.

Sending Messages to NLM

The SEND command in TSO is no longer available. Messages to NLM must be sent via the "COMMENT command in ELHILL. Users must be sure to record their name, address, and telephone number if they wish a reply, since ELHILL does not record the ID of the user entering a COMMENT.

The "QUIT Command

Since there is no longer any connection between ELHILL and TSO, there is no longer any reason to "QUIT from ELHILL to enter TSO. The use of "QUIT will result in the message

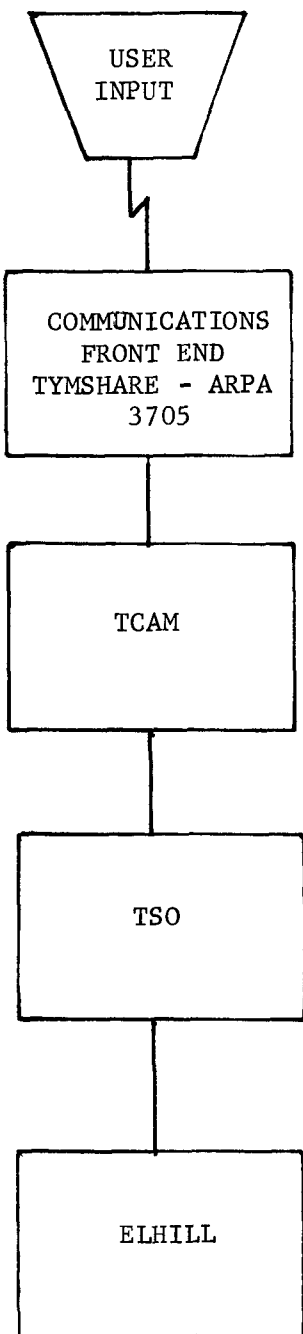
'QUIT' IS NOT A CORRECT COMMAND NAME

Some of these changes could cause a measure of inconvenience to users. However, it is expected that the improvement in response time and the increase in the acceptable number of simultaneous users would more than make up for the inconvenience.

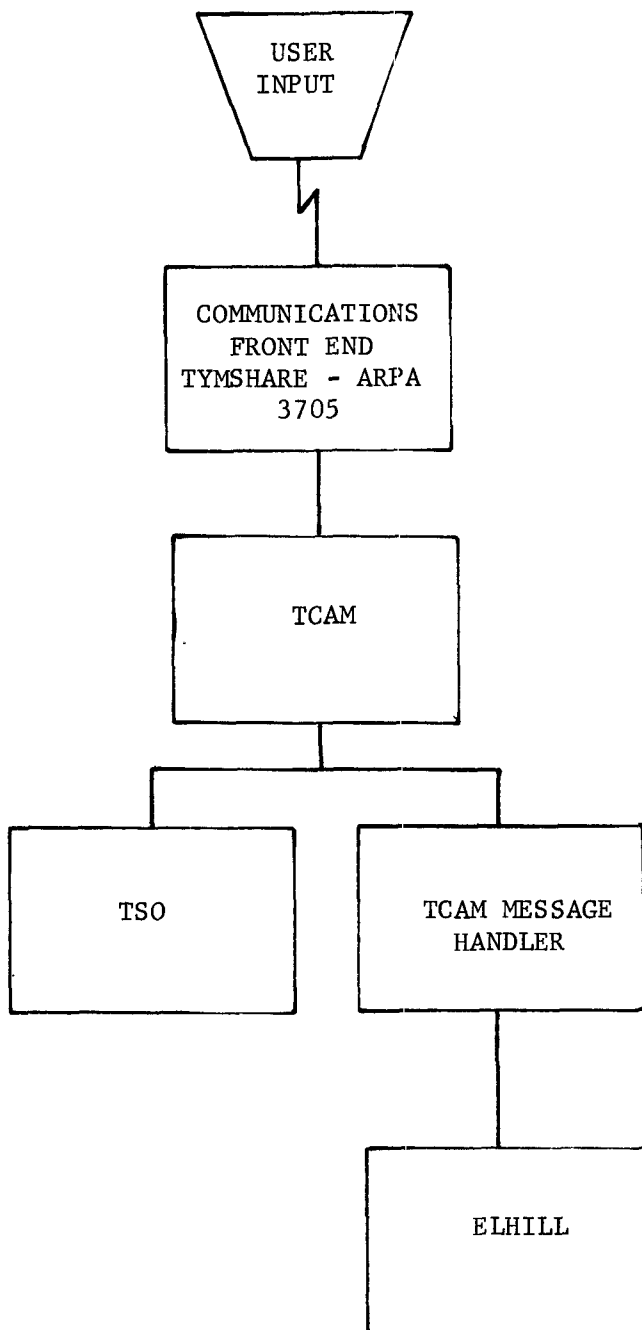
If this conversion to the TCAM message handler is made, it will be announced in the NEWS at least a week before the conversion is implemented. There will be no changes in the SUNY system which will continue to operate with CICS (Customer Information Control System) as its teleprocessing interface for the ELHILL programs.

The following flow chart illustrates the differences in the flow of messages under TSO and with the TCAM message handler.

CURRENT MEDLINE UNDER TSO



MEDLINE USING TCAM MESSAGE HANDLER



HEDGES

P. E. Pothier

MEDLARS Management Section, NLM

MEDLARS Management Section is gradually implementing the MEDLARS II capability of storing search fragments on selected subjects. These search fragments -- colloquially called "hedges," as opposed to "trees," -- are lists of terms on specific subjects taken from many categories in the tree structures. The terms in a MeSH tree all refer to similar sorts of things -- drugs, diseases, etc. In a "hedge" the terms are related by broad subject area, but they cross categories. Thus, for example, a "hedge" on the eye would contain terms dealing with anatomy, diseases, techniques, drugs, diagnosis, etc.

In order to use a "hedge" the searcher merely includes the "hedge" name in his search statement. In search mode, all hedge names are preceded by MEDLARS and a period and must be followed by the category qualifier (SN). Thus, to use the "hedge" dealing with psychological aspects in a search on asthma, one would enter

ASTHMA AND MEDLARS.PSYCHASPECTS (SN)

In order to find out which terms have been used in a "hedge" one may use the "DIAGRAM command. For example:

"DIAG MEDLARS.PSYCHASPECTS"

Note that the category qualifier (SN) is not used with the "DIAGRAM command.

Although it is technically possible to use "hedges" in the on-line mode, it is strongly recommended that they be used only in OFFSEARCH, with NONE as the response to the ON-LINE OUTPUT: NPS/PSTG/NONE? query. Most "hedges" are quite lengthy, and any use of them which requires interaction with the search module will result in excessive time overflows and unacceptable system overload.

At present the following "hedges" are available:

NAME OF HEDGE	SCOPE	POSTINGS 1973- JAN 76	APPROXIMATE NUMBER OF TIME OVERFLOWS
MEDLARS.PSYCHASPECTS	Psychological, behavioral and personality aspects. Includes neuroses but not psychoses.	40,785	23
MEDLARS.NUTRITION	Nutrition, nutrition disorders, diet, feeding behavior. Includes food and vitamins, but not spices. Excludes metabolic disorders.	42,448	12

MEDLARS.NARCOTICS	Narcotics as defined by the Uniform Narcotic Drug Act with the exception of marijuana which is not included. Includes drug dependence.	8,108	2
MEDLARS.SOCIOECONOMIC	Non-medical social and economic aspects of group behavior. Includes ethnic groups but not race. Excludes religion.	22,062	5
MEDLARS.NURSING	Nurses, nursing and nursing care. Excludes patient care not specifically performed by nurses.	24,609	5
MEDLARS.IMMUNO	Immunology, the immune system, antigens, antibodies, immunologic techniques, immunotherapy, immunologic diseases, vaccines, immunity. Excludes blood groups.	94,857	47
MEDLARS.CITIES	Cities, city-states, urban aspects.	4,683	0
MEDLARS.LDC	Developing, less-developed, and under-developed countries. Includes countries where the annual per capita GNP is under \$1,000. Also includes the OPEC countries of the Middle East and Latin America.	44,546	14
MEDLARS.EPIDEMIOLOGY	Occurrence and frequency of diseases. Includes statistics but not socioeconomic, racial, ethnic or family concepts. Excludes specific countries.	57,995	5

As new "hedges" are added, they will be listed in the Technical Bulletin. "Hedges" are available at both NLM and SUNY.

Note: A preliminary epidemiology hedge was prepared by Mrs. Mary Metter, University of North Carolina.

RESPONSIBLE USE OF ON-LINE DATA BASES

Joseph Leiter, Ph.D., Associate Director, Library Operations

With the beginning of the new year we anticipate a substantial increase in activity for MEDLINE and other on-line data bases. Past experience has shown that this activity should peak during the period between January and April. Our current capabilities at NLM and at SUNY should be able to provide satisfactory service, if we all cooperate and avoid unnecessary stresses to the system. In addition, as described elsewhere (p. 5), we are attempting to increase capacity and throughput by modifications to our telecommunications interface. We hope that all users will cooperate voluntarily for proper use of the system and spare us the odious task of imposing arbitrary restrictions.

I wish to take this opportunity to identify a number of practices which affect systems operation significantly and should be avoided.

1. Avoid using the system during peak hours unless absolutely necessary. Peak hours are between 9:30 - 10:30 a.m. and between 1:30 and 4:00 p.m. If you desire to take advantage of non-prime time, you will find the system more responsive before 9:30 and after 5:00 p.m. (on SUNY).
2. Check for users when you log in. If the number of users is greater than 40, you will fare better at another time. If you are in a TYMSHARE node city, you will not incur any significant cost by logging off and logging in at another time.
3. Except for Tuesday mornings when NLM is down, SUNY is greatly underutilized. You are requested to log in for MEDLINE and SDILINE at SUNY first even if you wish to use other data bases available at NLM only. Always use SUNY if the number of users at SUNY is less than 25. Unless we can get fuller use of SUNY, we will have to employ arbitrary procedures to insure full utilization. NLM has gone to substantial expense to maintain MEDLINE and SDILINE at SUNY in order to permit the computers at NLM to provide services and processing not possible on the SUNY computer.
4. Avoid explosions especially those higher up in the trees. Such explosions use inordinate amounts of computer resources. If explosions cannot be avoided, please mitigate the impact by:
 - a) running the search at off peak hours
 - b) using SDILINE on-line for formulations and running against MEDLINE in OFFSEARCH. SDILINE is a much smaller data base and has less impact.
5. Avoid other search procedures that consume computer resources during peak hours and result in time overflows, such as large postings searches, stringsearching, etc. Textword searching will in most instances provide equivalent retrieval much faster and at less cost than stringsearching.

If searches that demand extensive computer resources must be run, run them at off-peak hours or run them on-line against SDILINE and apply the formulation to MEDLINE as an off-search.

We sincerely trust that we will receive the fullest cooperation from all users so that we can continue to extend our on-line services without causing undue stress and can continue our existing services in a timely and satisfactory fashion.

AN EXPERIMENT IN ON-SITE TRAINING
MADISON, WISCONSIN - DECEMBER 15-19, 1975
Laura Eisenberg, On-Line Training Coordinator, NLM

Since the inception of MEDLARS, the NLM has developed and conducted training programs designed to reflect the evolution of the system and the concurrent training requirements of its users. In recent months, the Library has experimented with courses in library schools and with shorter (one-week) training modules offered as alternatives to the full (three-week) On-Line Services program. One of these modules is the Advanced MEDLINE Class which has proved successful in meeting the needs of searchers who have received on-the-job training but still require more intensive, formal instruction in system capabilities, search formulation, and MeSH.

The development of these one-week modules made it feasible for NLM to conduct courses in localities throughout the country having a sufficient concentration of qualified trainees. During the Fall of 1975, the Library and RML VII began planning for an experimental on-site Advanced MEDLINE Training Class. The Library's commitment was to provide instructors and teaching materials, while the RML was responsible for identifying potential trainees and arranging for classroom facilities, hotel accommodations, and the many varied accoutrements required by the instructors to conduct the course. (The latter was no small task as the list includes telephones, terminals, blackboards, a television monitor, slide projector, overhead projector, audiocassette player, projection screen, ad nauseam!) It was also necessary to enlist the aid of local MEDLINE analysts who could spare up to 16 hours away from the job to assist the instructors during the class time spent on hands-on terminal exercises. After a copious exchange of letters and phone calls among the librarians, the MEDLINE Coordinator for the RML and NLM's On-Line Training Coordinator, eleven trainees were selected who did, in fact, have the previous searching experience required by NLM for this type of training, and who could and would travel to some central point in the Region to attend the course. They immediately began a six-week series of prerequisite assignments, including a programmed text, other reading, on-line search exercises, and a test.

In general, the mornings were devoted to lectures, followed by the formulation of search strategies by the whole class, utilizing the information learned about MeSH and Elhill capabilities. The afternoons were used for hands-on searching with a group discussion and review at the end of the day. Several trainees brought their own terminals; additional terminals and the other needed equipment were lent by the RML, the Student Union, and Middleton Medical Library of the University of Wisconsin. Ms. Susan Kirkbride, the MEDLINE analyst at that library, provided the trainees with guidance during the hands-on exercises and assisted the instructors throughout the course. And, of course, the talents of a local photographer were obtained so that everyone could be presented with a copy of the traditional class picture, which all former NLM trainees know and love.

All in all, the course went smoothly, and in the opinion of the instructors as well as the trainees (supported by their scores on the post-test), the experiment was a success. NLM is now considering repeating this venture, in cooperation with the RMLs, several times per year. Despite the happy results of the experiment in Madison, however, the extensive commitment required of the RML and sponsoring institution for such a project should not be underestimated. NLM will be providing guidelines for future field courses. Much credit for the success of the Madison class must go to all those who helped to make the training course the positive experience that it was through the careful planning and resource commitments they provided.

During this time, Paul Olson, the MEDLINE Coordinator for Region VII, was making all the arrangements necessary to hold the course at the University of Wisconsin in Madison. Finally, the instructors culled the essentials from the large number of handouts and instructional materials used for training, and on December 15 the first on-site training class began.

The course was held in the Student Union building which afforded the unusual combination of classrooms, guest rooms, and several cafeterias. (An added feature was the Sweet Shoppe offering University-produced ice cream, which frequently provided a welcome and necessary break from the fast-paced and rigorous training schedule.) The course whose syllabus evolved from previous Advanced MEDLINE Training Classes held at NLM, was taught by Peri Schuyler and Laura Eisenberg, using a team-teaching approach and incorporating much trainee participation.

Tumor Key Errata

Users are requested to note and correct the following errors in Technical Notes: MEDLARS Indexing Instructions, Supplement: Tumor Key, 1975:

- Page 6 carcinoma, adenoid cystic
 change CARCINOMA, BASAL CELL to read CYLINDROMA
- Page 18 glioblastoma
 change GLIOBLASTOMA MULTIFORME to read GLIOMA
- Page 21 leukemia, lymphoblastic
 change LEUKEMIA, LYMPHOCYTIC to read LEUKEMIA, LYMPHOBLASTIC
- Page 22 leukemia, megakaryocytic
 this is an entry term to HEMORRHAGIC THROMBOCYTHEMIA;
 LEUKEMIA, MEGAKARYOCYTIC may be typed on data forms
- Page 24 lymphoma, malignant
 change to read LYMPHOMA or HODGKIN'S DISEASE

Any other errors noticed in the Tumor Key or in other Technical Notes Supplements should be reported to MEDLARS Management Section.

MEDLINE TRAINEES AT THE UNIVERSITY OF WISCONSIN, DECEMBER 15, 1975

A MEDLINE Training Class was held at the University of Wisconsin, Madison, December 15 through December 19, 1975. The following people attended:

Alberta Bailey Mt. Sinai Hospital Minneapolis, Minnesota	Linda Oddan Medical College of Wisconsin Milwaukee, Wisconsin
Carol Ann Baldwin University of Minnesota Minneapolis, Minnesota	Sheila Proudman Middleton Medical Library Madison, Wisconsin
Lorraine Roberts Ettl University of North Dakota Grand Forks, North Dakota	Ruth L. Ridgway Methodist Hospital of Indiana Indianapolis, Indiana
Lawrence Jacobsen Wisconsin Regional Primate Research Center Madison, Wisconsin	Sharon Sanford University of Iowa Iowa City, Iowa
Harriet L. Kling Quain & Ramstad Clinic Bismark, North Dakota	Joan M. Zweifel St. Marys Hospital Medical Center Madison, Wisconsin
John R. Luedtke University of Wisconsin Madison, Wisconsin	

NEW SERIALS ANNOUNCEMENT - DECEMBER 1975
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records and Binding Section during the month of December. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM.

- *ACTA MICROBIOLOGICA VIROLOGICA
1, 1975--
Supersedes Izvestiia na
Mikrobiologicheskii Institut
Institute of Microbiology,
Bulgarian Academy of Science,
Sofia, Bulgaria
- *ANAIIS-ACADEMIA PERNAMBUCANA DE
MEDICINA
1, 1974--
Academia Pernambucana de
Medicina, Recife, Brazil
- *ANNALES DE LA FACULTE DE
MEDECINE ET DE PHARMACIE
n1, 1974--
Presses Universitaires du
Zaire, Kinshasa, Zaire
(Rectorat-Kinshasa B.P. 13399)
- *ARCHIVOS DE FARMACOLOGIA Y
TOXICOLOGIA
1, 1975--
Facultad de Medicina, Ciudad
Universitaria, Madrid, Spain
- BRAIN THEORY NEWSLETTER
1, 1975--
University of Massachusetts
Graduate Research Center,
Worcester(?), Massachusetts
- *BULLETIN OF THE INSTITUTE OF MARITIME
AND TROPICAL MEDICINE IN GDYNIA
26, 1975--
Continues Biuletyn Instytut
Medycyny Morskiej u Gdansk
Institute of Maritime and
Tropical Medicine in Gdynia,
Gdynia, Poland
(50 Starowiejska Street)
- *BUSINESS, HEALTH AND EDUCATIONAL
DISCIPLINES
1, 1975--
Warren H. Green, Inc., St. Louis,
Missouri 63105
(10 South Brentwood Boulevard)
- *CURRENT CONCEPTS IN PSYCHIATRY
1, 1975--
Seiber & McIntyre, Inc., Chicago,
Illinois 60611
(625 North Michigan Avenue)
- *ENGINEERING IN MEDICINE
1, 1975--
Springer-Verlag, New York
- *FOGARTY INTERNATIONAL CENTER SERIES
ON THE TEACHING OF PREVENTIVE MEDICINE
1, 1975--
National Institutes of Health,
Bethesda, Maryland
- *FUNCTIONAL PHOTOGRAPHY
10, 1975--
Continues Photographic Applications
in Science, Technology and Medicine.
Photographic Applications in
Science & Technology, Inc.,
Hempstead, New York 11550
(250 Fulton Avenue)
- *GERONTOLOGY
22, 1976--
Formed by the merger of Gerontologia
and Gerontologia Clinica. Assumes
volume numbering of the former.
Karger, Basel, Switzerland

- *HEARING REHABILITATION QUARTERLY
1, 1975--
New York League for the Hard of
Hearing, New York, New York
(71 West 23rd Street)
- HISTORIAE MEDICINAE VETERINARIAE
1, 1976--
C/O Mimi Dreiler, 2100 Copen-
hagen Ø, Denmark³
(Naestvedgade 35)
- *IMMUNOLOGY ABSTRACTS
1, 1976--
Pilot issue published in 1975.
Information Retrieval, Inc.,
Arlington, Virginia 22202
(1911 Jefferson Davis
Highway)
- INDENT
1, 1973--
London W1 X6AD, England
(40 Berkeley Square)
- *INTERNATIONAL BRAIN RESEARCH
ORGANIZATION MONOGRAPH SERIES
1, 1975--
Raven Press, New York,
New York
- *JOURNAL-AMERICAN HEALTH CARE
ASSOCIATION
1, 1975--
American Health Care Association
Washington, D.C. 20005
(1200 Fifteenth Street, N.W.)
- JOURNAL OF MEMBRANE SCIENCE
1, 1976--
Elsevier, Amsterdam, Netherlands
- *JOURNAL OF MOLECULAR MEDICINE
1, 1975--
Elsevier, Amsterdam, Netherlands
- JOURNAL OF PSYCHOLOGICAL RESEARCH IN
MENTAL SUBNORMALITY
1, 1974--
Muokamore Abbey Hospital,
Department of Psychology,
Muokamore, Northern Ireland
- JOURNAL OF VETERINARY MEDICAL EDUCATION
1, 1975?--
Association of Veterinary Medical
Colleges, Continuing Education
Service, Michigan State University,
East Lansing, Michigan 48824
- *MALAYSIAN JOURNAL OF SURGERY
1, 1975--
Department of Surgery, General
Hospital, Kuala Lumpur, Malaysia
- MAN AND MEDICINE
1, 1976--
College of Physicians and Surgeons
of Columbia University, New York,
New York 10032
(630 West 168th Street)
- MEDICAL STUDENT
1, 1975--
Medical Student, Darien, Connecticut
06820
(P.O. Box 1245)
- MICROBIOS LETTERS
1, 1976--
Companion to Microbios
Faculty Press, Cambridge, England
(88 Regent Street)
- *NEUROLOGIE UND PSYCHIATRIE FÜR DIE PRAXIS
1, 1975--
Verlag Dr. Med. D. Straube,
Erlangen, Germany
(Bohmlach 77, Postfach 3740)
- *NOTFALLMEDIZIN
1, 1975--
Verlag Dr. Med. D. Straube,
Erlangen, Germany
- OPERATIVE DENTISTRY
1, 1976--
American Academy of Gold Foil
Operators and the Academy of Operative
Dentistry
- *PERSPECTIVES IN CARDIOVASCULAR MEDICINE
1, 1976--
Raven Press, New York, New York

- PHARMACEUTICAL NEWS INDEX
1, 1976--
Data Courrier, Inc., Louisville,
Kentucky 40202
(620 South Fifth Street)
- *PROCEEDINGS--ROYAL SOCIETY OF EDINBURGH
SECTION B. (NATURAL ENVIRONMENT)
75, 1975--
Continues Proceedings--Royal
Society of Edinburgh, Section B.
Biology. Royal Society of
Edinburgh, Edinburgh EH2 2PQ,
Scotland
(22 George Street)
- PROGRESS IN CLINICAL AND BIOLOGICAL
RESEARCH
1, 1975--
Alan R. Liss, New York, New York
10011
(150 Fifth Avenue)
- *REVISTA CUBANA DE HIGIENE Y
EPIDEMIOLOGIA
13, 1975--
Continues Boletin de Higiene y
Epidemiologia. Centro Nacional
de Informacion de Ciencias
Medicas, Havana, Cuba
(Aptdo. no. 6538)
- *REVISTA DE MEDICINA DA UNIVERSIDADE
FEDERAL DO CEARA
14, 1974--
Continues Revista da Faculdade de
Medicina da Universidade do Ceara.
Universidade Federal do Ceara,
Ceara, Brazil
(Av. da Universidade 2932)
- *REVISTA DE SALUD PUBLICA
1, 1974--
Universidade de Chile, Dpto. de
Salud Publica, Sede Santiago Norte,
Chile
- STRESS AND ANXIETY
1, 1975--
Halsted Press, New York, New York
- TECHNICAL BIBLIOGRAPHIES ON AGING
1, 1975?--
Andrus Gerontology Center, University
of Southern California, University
Park, California 90007
- TOPICS IN CARBON-13 NMR SPECTROSCOPY
1, 1974--
John Wiley and Sons, New York,
New York
- *TURK TIP CEMİYETİ DERGİSİ
39, no. 10, 1973--
Continues Turk Tip Cemiyeti
Mecmuasi. Istanbul Universitesi
Istanbul Tip
Fakultesi, Istanbul, Turkey

MEDLARS TRAINEES AT NLM, JANUARY 12, 1976

The twenty-sixth NLM On-Line Service (MEDLINE) Training Class was held January 12-30, 1976. The following people attended:

Cynthia A. Bennett
Brown University Library
Providence, Rhode Island

E. Guy Coffee
Veterinary Medical Library
Kansas State University
Manhattan, Kansas

Rita Conyne
Penwalt Corporation
Pharmaceutical Division
Rochester, New York

Bruce S. Delman
Veterans Administration Hospital
Cleveland, Ohio

Renee Guttmann
Cleveland Clinic Foundation
Cleveland, Ohio

Pam Johnson
University of Connecticut
Health Center
Farmington, Connecticut

Sarah Kelly
University of South Alabama
Mobile, Alabama

Terri Lyn Malmgren
East Carolina University
Greenville, North Carolina

Margaret C. Norman
Georgetown University
Medical Center
Washington, DC

Janet M. Schmidle
Dental School Library
Northwestern University
Chicago, Illinois

Bud Smith
Bureau of Radiological Health
Food and Drug Administration
Rockville, Maryland

Shirley Chao Ting
Veterans Administration Hospital
Kansas City, Missouri

Sophie Winston
Brookdale Hospital Medical Center
Brooklyn, New York



LIBRARY NETWORK / MEDLARS TECHNICAL BULLETIN

of the

Library Component of the Biomedical Communications Network

No. 82

February 1976

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LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
of the
Library Component of the Biomedical
Communications Network

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TECHNICAL NOTES EDITOR

Leonard J. Bahlman

The LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
is issued monthly by the Office of the
Associate Director for Library Operations.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with
March 1976 citations at NLM and SUNY on
February 9. The sizes, Index Medicus date
ranges, and entry date ranges are given
below:

MEDLINE (Jan 74 - Mar 76) - 508,911
(Entry Dates: 731130 to 760202)
SDILINE (Mar 76) - 22,035
(Entry Dates: 760108 to 760202)

Note: The digits for the closing date of
the February SDILINE were transposed in
last month's Technical Bulletin. The
February SDILINE covered 751210 to 760102.

ON-LINE TECHNICAL NOTES

PLEASE QUERY THE NLM/ON-LINE NEWS FILES DAILY FOR SPECIAL NOTICES AND MESSAGES

Whenever applicable, in the margin beside each Technical Note, users will be referred to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that in many instances the item may also pertain to other sections of the Manual.

HOURS OF SERVICE, Beginning March 1, the following hours of service will be
EFFECTIVE MARCH 1, in effect for users accessing the National Library of
1976 Medicine's on-line services at NLM in Bethesda, Maryland
and at the State University of New York (SUNY) in Albany,
New York. All hours are quoted in Eastern Time.

NLM

Monday, Wednesday, Thursday, Friday - 3:00 a.m. - 5:00 p.m.
Tuesday - - - - - 12:00 noon - 10:00 p.m.

SUNY

Monday, Wednesday, Thursday, Friday - 9:00 a.m. - 10:00 p.m.
Tuesday - - - - - 3:00 a.m. - 5:00 p.m.

OFF-LINE PRINT/
OFFSEARCH,
PROCESSING

Off-line prints are printed each evening on both the NLM
and SUNY computers and mailed to the requester the morning
of the next official work day. Below is the current
schedule for printing OFFSEARCH requests at NLM and SUNY:

	<u>NLM</u>	<u>SUNY</u>
MEDLINE, SDILINE	Daily	Daily
CATLINE, EPILEPSY CANCERLINE, CANCERPROJ CHEMLINE, AVLINE	Daily	
BACK66	Daily	Tuesday & Friday
BACK69	Daily	Tuesday & Friday
BACK72	Daily	Monday, Wednesday & Friday
TOXLINE	Daily	
TOXBACK	Monday & Thursday	

As with the off-line prints, OFFSEARCHES are also mailed on the morning of the next official work day after they have been printed.

All Off-line Prints and OFFSEARCHES mailed within the continental United States are sent via First Class mail. Requests outside the continental United States are sent via Air Mail.

TYMSHARE NUMBERS:
Honolulu, HI;
Cincinnati, OH;
Ann Arbor, MI;
Cleveland, OH;
New York City, NY;
West Columbia, SC;
Los Angeles, CA;
San Jose, CA;
(Manual II-9)

The following Tymshare access numbers have been added, deleted or changed:

1) New Nodes

Honolulu, HI	808/521-7481	(Correspondence Code)
Cincinnati, OH	513/621-7460	(Correspondence Code)
Ann Arbor, MI	313/995-2121	(Correspondence Code)

2) New Numbers in Existing Nodes

Cleveland, OH	216/888-3900	(Correspondence Code)
New York City, NY	212/344-7445	(EBCDIC Code)
New York City, NY	212/750-9445	(Correspondence Code)

3) Discontinued Node

West Columbia, SC

4) Discontinued Numbers

Los Angeles, CA	213/687-9900
San Jose, CA	408/255-3210

5) Changed Number

San Jose, CA 408/255-3050 changed to 408/446-4850
(Correspondence Code)

DATE DESCRIPTOR
ESTABLISHED - MESH
VOCABULARY FILE
(Manual XII-9)

Information on the date a MeSH term was established may be obtained on-line from the MESH VOCABULARY FILE ("FILE MESH). The user must first search on the term in question, and then print out one or both of the following fields:

(AE) DATE MAJOR DESCRIPTOR ESTABLISHED

(IE) DATE MINOR DESCRIPTOR ESTABLISHED

If there are no dates in these fields, the user can assume that the term has been in the system since the beginning of MEDLARS. Please report any discrepancies found in these fields to MEDLARS Management Section.

CORRECTIONS,
BACKWARD ARROW
(Manual II-21)

The backward arrow as well as the backward slash may now be used on ASCII terminals to correct a single character in ELHILL whether the program is running under TSO or the TCAM message handler.

CHECK TAG,
ANIMAL
ANIMAL EXPERIMENTS
(Manual IV-2)

In the November 1973 issue of the Technical Bulletin, the article entitled "1974 Indexing Orientation" stated in part that the old check tag ANIMAL EXPERIMENTS had been replaced by a new check tag ANIMAL for the 1974 indexing. Due to a delay in file maintenance, a one-for-one change was not made at the time and both terms had to be searched. File maintenance has now been done. Therefore, you may now search on either ANIMAL EXPERIMENTS or ANIMAL, which is an entry term for ANIMAL EXPERIMENTS.

Searchers should keep in mind that beginning with 1974 indexing, the check tag was used for articles dealing with animal observations as well as experiments.

BACK66 - SUNY,
AVAILABILITY
(Manual VII)

The MEDLARS citations for 1966 through 1968 are now available on the SUNY computer. As with the other BACKFILES, BACK66 must be searched via OFFSEARCH.

BACK72 - SUNY,
1973 CITATIONS
(Manual VII)

The BACK72 file on the SUNY computer now contains the 1972 and 1973 MEDLARS citations. As in the past, this file must be searched via OFFSEARCH.

ELHILL 3 - SUNY,
NEW CAPABILITIES
(Manual III)

The new ELHILL 3 capabilities detailed in the November 1975 issue of the Technical Bulletin (page 5), which were previously available only at NLM, are now available on the SUNY computer. These capabilities include:

1. Revised searching default
2. STRINGSEARCHing (TS) in OFFSEARCH
3. Numbered citations when printing on-line
4. The "MESHTERM command
5. EXPlosions on Main Headings
6. The "ELEMENTS command

TYMSHARE LOGIN
TERMINAL
IDENTIFIER
(Manual II-9)

Tymshare nodes in some cities are now transmitting the message PLEASE TYPE YOUR TERMINAL IDENTIFIER, during login, instead of the unrecognizable characters formerly transmitted at 30 characters per second. Conversely, at 10 characters per second, the terminal identification message is now sometimes a string of unrecognizable characters. Please note that although the terminal identifier message may have been changed, the response required of the user has not. If in the past you have entered the letter E, G, D, etc., you must still respond with the same character.

PERMUTED MESH
and MESH
VOCABULARY FILE
(Manual IV-12)

Although no new edition of Permuted MeSH has been published since 1974, it is possible to obtain a permuted listing by requesting ALL preceding the term for which permutation is desired in the MeSH Vocabulary File. Thus by requesting ALL LIVER, the retrieval will include all headings containing LIVER, such as

COD LIVER OIL
FATTY LIVER
LIVER
LIVER CIRRHOSIS

Note: NLM anticipates publishing an updated version of the Permuted MeSH. Announcements will appear in the on-line "NEWS" file and in the Technical Bulletin when the publication becomes available.

1975 CUMULATED
INDEX MEDICUS

An accelerated production schedule for the 1975 Cumulated Index Medicus has resulted in the earliest-ever publication of CIM. The volumes were released by the printer on February 27, and the Superintendent of Documents, GPO, began shipping sets in response to advance orders in early March. The eight-volume set sells for \$192.00 (\$240.00 foreign). It is sold in two-carton complete sets only. Order from GPO by full title, Catalog Number (HE 20.3612/3:16), and Stock Number (S/N 017-052-00164-7).

MEDLARS TOOLS PRICE LIST

The following is a revised price schedule for the MEDLINE tools available from NTIS and GPO.

<u>NTIS Accession No.</u>	<u>Publication Title</u>	<u>Price Per Paper Copy</u>
PB-207-177	MEDLARS TRAINING PROGRAM: MEDLINE TRAINING SYLLABUS	\$ 8.00
PB-207-181	MEDLARS INDEXING MANUAL, 1972	\$12.75
PB-219-054	CUMULATED LIST OF NEW MEDICAL SUBJECT HEADINGS, 1963-1973	\$ 9.25
PB-243-901 (Supersedes PB-240-829)	MEDICAL SUBJECT HEADINGS - ANNOTATED ALPHABETICAL LIST 1976	\$16.25
PB-243-900 (Supersedes PB-240-826)	MEDICAL SUBJECT HEADINGS - TREE STRUCTURES, 1976	\$11.75
PB-240-126	ON-LINE SERVICES REFERENCE MANUAL, MARCH 1975	\$ 9.75
PB-244-327 (Supplements PB-240-126)	ON-LINE SERVICES REFERENCE MANUAL, UPDATE 1, JULY 1975	\$ 5.50
PB-221-463	PERMUTED MEDICAL SUBJECT HEADINGS, 1974	\$18.75
PB-241-734	TECHNICAL NOTES--MEDLARS INDEXING INSTRUCTIONS, 1975	\$ 5.50
PB-245-412	TECHNICAL NOTES--MEDLARS INDEXING INSTRUCTIONS: SUPPLEMENTS I-IV, 1975	\$ 6.75
<u>GPO Catalog & Stock No.</u>		
HE 20.3612: 17/1 pt 2 S/N-017-052- 76301	MEDICAL SUBJECT HEADINGS, 1976 (THE BLACK & WHITE MESH)	\$ 8.20 (\$10.25 foreign)

A full description of these publications appeared in the Technical Bulletin for August 1975.

NTIS publications are available from:

National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, Virginia 22161

When ordering, please include both title and accession number, as well as the superseded accession number if applicable. A check or money order payable to NTIS should be sent with the order. These publications are available in microfiche for \$2.25 per title. Non-U.S. purchasers must include an additional \$2.50 (\$1.50 for microfiche orders) to cover handling and mailing for each item; remittance should be in the form of check drawn on an American bank or Canadian or international money order. Deposit accounts may be established in the same way as GPO deposit accounts: send a minimum of \$25.00 to NTIS asking that a deposit account be set up in your name.

Inquiries and claims should be sent to NTIS at the above address, ATTN: Customer Inquiry Section. (Do not send claims for NTIS publications to the National Library of Medicine.)

GPO publications are available from:

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

When ordering, please include the order date, publication title, GPO catalog and stock numbers, the price and your complete mailing address. A check or money order payable to the Superintendent of Documents, or SD coupons, must accompany the order unless you are a U.S. Government agency submitting a purchase order or you have a deposit account with GPO.

ERRATUM

Due to an error in composing the pages of last month's issue, the concluding paragraphs of the article "An Experiment in On-Site Training, Madison, Wisconsin - December 15-19, 1975" by L. Eisenberg are out of sequence. Paragraphs 3 and 4 on page 13 should precede paragraphs 1 and 2. Correctly composed copies of the article are available upon request.

ON-LINE NEWS FILES AND TCAM
P.E. Pothier
MEDLARS Management Section, NLM

In the article "Proposed Conversion from TSO to TCAM Message Handler as NLM's Teleprocessing Interface" (Technical Bulletin 81:5, Jan 76), it was stated that news files would not be available when ELHILL is running under the TCAM interface. This situation has been partially remedied and three of the news files, NEWS, FILES, and PHONES are now available with the TCAM interface.

At this time ELHILL is running only intermittently under TCAM. The users will recognize TCAM because only the format /LOGIN will be accepted as an ELHILL login on direct dial, and, whether the user logs in direct or through the network, he will receive the message

PLEASE ENTER USERID OR LOGON
#####

When ELHILL is operating under TSO the usual news commands ""NEWS, ""FILES, etc., may be executed in ELHILL. When ELHILL is running under the TCAM interface, the following procedure must be followed to access NEWS, FILES, and PHONES.

SS 1/C?

USER:

ELHILL prompts with a USER: cue.

LOGON XXXØ1

The user responds with a TSO-style logon followed by his 5-character ID.

LOGON IN PROGRESS AT ...
TSO WILL COME DOWN AT 5 TODAY
TOTAL ACTIVE TSO USERS: 10
DO YOU WANT NEWS, PHONES OR FILES?
ENTER YES OR NO

The system gives a TSO greeting, a broadcast message, and a count of users; and then asks the user if he wishes to see a news file.

YES

The user wishes to see one of the three files.

WHICH DO YOU WANT?
ENTER NEWS, FILES, OR PHONES

The system prompts the user to indicate the desired file.

NEWS

The user wishes to see the file NEWS.

29 FEB - RESULTS OF THE TEST OF
THE TCAM INTERFACE HAVE SHOWN ...

The news file NEWS is listed.

DO YOU WANT NEWS, PHONES OR FILES?
ENTER YES OR NO

The system prompts the user for another news file.

NO

The user does not wish to see FILES or PHONES

MEDLINE IS AVAILABLE UNDER TCAM,
ENTER /LOGIN TO USE MEDLINE
LOGGED OFF TSO AT ...

The system informs the user that he must
leave TSO to access MEDLINE and logs him
off TSO.

/LOGIN

The user proceeds to log in to ELHILL.

PLEASE ENTER USER ID OR LOGON
#####

The system prompts for his ID.

XXXØ1

The user enters his ID (over the pattern).

SS 1/C?

The user is back in ELHILL

If you wish to see a news file before you access ELHILL, you may do so by
responding to:

PLEASE ENTER USERID OR LOGON
#####

by entering:

LOGON XXXØ1

You will be prompted to enter the name of the desired news file as in the above
sequence. After you have seen those of the three available news files that you
wish to see, reply NO to the query:

DO YOU WANT NEWS, PHONES OR FILES?
ENTER YES OR NO

You will then be notified that

MEDLINE IS AVAILABLE UNDER TCAM,
ENTER /LOGIN TO USE MEDLINE
LOGGED OFF TSO AT ...

You may then enter /LOGIN to access MEDLINE.

NEW SERIALS ANNOUNCEMENT - JANUARY 1976
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records and Binding Section during the month of January. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM.

*ACTA UNIVERSITATIS OULENSIS.

SERIES D. MEDICA

N1, 1972--

University of Oulu

Oulu, Finland

EUROPEAN JOURNAL OF NUCLEAR MEDICINE

1, 1976--

Springer Verlag

European Nuclear Medicine Society

Berlin, West Germany

AUDIOLOGY

1, 1976--

Grune and Stratton

Audiotope

New York, New York

GASTROINTESTINAL RADIOLOGY

1, 1976--

Springer Verlag

New York, New York

BEHAVIORAL ECOLOGY AND

SOCIOBIOLOGY

1, 1976--

Springer Verlag

Berlin, West Germany

HISTORY OF INTERNATIONAL PUBLIC HEALTH

N1, 1975--

World Health Organization

Geneva, Switzerland

BRITISH BOOK REVIEW INDEX

1, 1976--

Index Publications

Reading, England

INTERNATIONAL FAMILY PLANNING DIGEST

1, 1975--

Planned Parenthood Federation

of America

New York, New York

CLINICS IN RHEUMATIC DISEASES

1, 1975--

W B Saunders

Philadelphia, Pennsylvania

*JAPANESE JOURNAL OF CLINICAL CHEMISTRY

1, 1972--

Osaka, Japan

COMMUNICATIVE DISORDERS

1, 1976--

Grune and Stratton

New York, New York

*JOURNAL OF THE IRANIAN MEDICAL COUNCIL

1, 1971--

Iranian Medical Council

COMPREHENSIVE THERAPY

1, 1975--

American Society of
Contemporary Medicine and
Surgery

Chicago, Illinois

JOURNAL OF VERTIGO

1, 1974--

Excerpta Medica Foundation

Amsterdam, Netherlands

MEDICINA PSICOSOCIAL

1, 1975--

Ateneo de Psicologia Social y

Medicina Psicosomatica

Buenos Aires, Argentina

- MONOGRAPHS IN PHARMACOLOGY AND
PHYSIOLOGY
1, 1976--
Halstead Press
New York, New York
- *NEWSLETTER - AMERICAN INTRA-OCULAR
IMPLANT SOCIETY
1, 1975--
American Intra-ocular Implant
Society
Los Angeles, California
- *NURSE PRACTITIONER
1, 1975--
Medical Media
Trenton, New Jersey
- PERSPECTIVES IN NEUROENDOCRINE
RESEARCH
1, 1975--
Plenum
New York, New York
- *PREVENZIONE STOMATOLOGICA
1, 1975--
GEC
Milan, Italy
- *PROGRESS IN CHEMICAL FIBRINOLYSIS
AND THROMBOLYSIS
1, 1975--
Raven Press
New York, New York
- *RECENT ADVANCES IN RENAL DISEASES
1, 1975--
Churchill Livingstone
Edinburgh, Scotland
- *REVISTA DEL SERVICIO DE SANIDAD DE
LAS FUERZAS ARMADAS
1, 1973--
Uruguay. Servicio de Sanidad
de las Fuerzas Armadas
Montevideo, Uruguay
- SKELETAL RADIOLOGY
1, 1976--
Springer Verlag
International Skeletal Society
Berlin, West Germany
- WOMEN AND HEALTH
1, 1975--
State University of New York,
College at Old Westbury
Old Westbury, New York

MEDLINE TRAINEES AT UCLA, JANUARY 28, 1976

The University of California Biomedical Library, Los Angeles, held its twentieth MEDLINE Training Class January 28 - February 12, 1976. The following people attended:

- | | |
|---|--|
| Eleanor Benelisha
St Mary's Hospital
San Francisco, California | Sandy Parker
Huntington Memorial Hospital
Pasadena, California |
| James P. Craig
Nat'l. Center for Toxicological Research
Jefferson, Arkansas | Linda Steele
California State University
Long Beach, California |
| Beverlee French
University of California at San Diego
La Jolla, California | Marilyn Tinsley
Mills Memorial Hospital
San Mateo, California |
| Lynette Johnson
University of California at Riverside
Riverside, California | Winnie Y. N. Yu
Kaiser Foundation Hospital
Los Angeles, California |
| James Ochoa
Los Angeles County Medical Association
Los Angeles, California | |



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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
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is issued monthly by the Office of the
Associate Director for Library Operations.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with
April 1976 citations at NLM and SUNY on
March 8. The sizes, Index Medicus date
ranges, and entry date ranges are given
below:

MEDLINE	(Jan 74 - Apr. 76)	- 535,019
	(Entry Dates: 731130 to 760301)	
SDILINE	(Apr 76)	- 26,500
	(Entry Dates: 760209 to 760301)	

ON-LINE TECHNICAL NOTES

PLEASE QUERY THE NLM/ON-LINE NEWS FILES DAILY FOR SPECIAL NOTICES AND MESSAGES

TYMSHARE NUMBERS:	<u>Discontinued Numbers</u>	
SAN FRANCISCO, CA;	San Francisco, CA:	415/421-9240
TORONTO, ONT;	Toronto, ONT:	416/360-8863
MADISON, WI;	<u>New Node</u>	
HOUSTON, TX	Madison, WI:	608/221-4211 (Correspondence)
(Manual II-9)	<u>Code Change</u>	
	Houston, TX:	713/785-4420 (Correspondence)

HEDGES,
OFFSEARCH
(Manual XVI)

REMINDER: The January 1976 issue of the Technical Bulletin (page 9) announced the availability of Hedges (stored search fragments on selected subjects). These Hedges are available on both the NLM and SUNY computer, and may be used with all MEDLINE-related files in the OFFSEARCH mode.

OFFSEARCH
SSNOS-OVRIDES?
(Manual XVI-4)

When the user is responding to the SSNOS-OVRIDES? prompt in OFFSEARCH, search statement numbers may now be separated in three different ways: 1) with commas alone, 2) with commas and spaces, 3) with spaces alone. For example:

PROG:	PROG:	PROG:
SSNOS-OVRIDES?	SSNOS-OVRIDES?	SSNOS-OVRIDES?
USER:	USER:	USER:
2,3,4	2, 3, 4	2 3 4

NTIS,
CLAIMING
PUBLICATIONS

If you have not received publications ordered from NTIS, please use this procedure for making a claim:

Address claims to:

National Technical Information Service
ATTN: Customer Inquiry Section
5285 Port Royal Road
Springfield, VA 22161
Phone: 703/321-8560

Include:

- (1) Title and Accession (PB) Number
- (2) Date of order
- (3) Method of payment (if deposit account, give account number and whether account has been charged, with process date)

PRINTED
INDEX MEDICUS,
ERRATUM
MARCH 1976

The spine of the March 1976 issue of Index Medicus reads Vol 17, no. 3, Part 1. The "Part 1" is in error; there is no Part 2.

SDILINE
UPDATES,
1976

The following is the projected schedule of SDILINE updates for the rest of 1976.

<u>Index Medicus</u> <u>Month</u>	<u>Date SDILINE</u> <u>Available</u>
April	March 8
May	April 12
June	May 10
July	June 7
August	July 12
September	August 9
October	September 13
November	October 11
December	November 13

All dates fall on Monday.

CONVERSION FROM
TSO TO TCAM, NLM

On March 5, 1976, the teleprocessing interface for the NLM computer was converted from TSO to TCAM. Primary areas affected by this change are:

- 1) Log-in Procedure
- 2) Passwords
- 3) Error Correction
- 4) Accessing News Files
- 5) Sending Messages to NLM

Detailed explanations of these changes may be obtained from the January and February 1976 issues of the Technical Bulletin. These changes do not apply to the SUNY system.

TOLL-FREE
IN-WATS
LINE

MEDLARS Management now has a toll-free IN-WATS line, 800/638-8480, which may be used from 8:30 to 5:00 Eastern Time to report computer or telecommunications problems, billing errors, off-line or OFFSEARCH print problems and other on-line service problems which are NLM's responsibility such as computer rejection of authorized login ID codes. Telephone restrictions prohibit use by Maryland, Alaska, and Hawaii users.

This number is not to be used for:

1. Searching or indexing questions
2. Administrative questions such as those related to completing a MEDLINE center application
3. Data base errors
4. Training requests
5. Vocabulary suggestions
6. Publication questions
7. Demonstration code requests

Inquiries related to these and other similar areas should continue to be reported via the regular MEDLARS Management number, 301/496-6193, by correspondence, or through the "COMMENT" command.

To report immediate computer or telecommunication problems during times other than 8:30 - 5:00 Eastern Time, the user should call, as appropriate, the NLM computer operator at 301/496-2734 or the SUNY computer operator at 518/474-2921.

HOURS OF
SERVICE,
SUNY

On Tuesdays SUNY MEDLINE service is available at 9:00 a.m. Eastern Time, not 3:00 a.m. as announced in the February 1976 Technical Bulletin.

NOTE ON THE USE OF TELENET AS AN ALTERNATIVE NETWORK

Joseph Leiter, Ph.D., Associate Director, Library Operations, NLM

Elsewhere in the Bulletin (p. 7) is an article by Steve Yanek outlining the details of the use of TELENET. Although access to this network will provide a much needed backup for users for accessing our data bases at times when the Tymshare nodes could be overloaded or inoperative, it is unfortunate that it will provide additional software interfaces which further complicate the life of a MEDLARS Analyst. We hope that MEDLARS Analysts will make a substantial effort to evaluate the use of the TELENET system so that we will be able to make some determination as to its ultimate usefulness. Should the decision to continue using TELENET be made, we would make some effort to minimize the interface problems such as the @@.

3. Location (LO) - This field contains the name and complete address of the organization performing the research. The location field is not directly searchable but components of the field (Performing Organization and Country or State) can be searched directly.
4. Abstract (AB) - The abstract field contains the project summary.
- *5. Hierarchical Terms (HT) - This data element is included in the record for use by the ICRDB Program staff and its contractors.
- *6. Subject Captions (SC) - This data element is included in the record for use by the ICRDB Program staff and its contractors.
- *7. Hierarchical Subject Codes (HC) - This data element is included in the record for use by the ICRDB Program staff and its contractors.
8. Begin Date (BD) - The begin date is the date the project was started or funded and is a two-character year followed by a two-character month.
9. End Date (ND) - The end date is the date the research project's authorization expires. Its format is the same as that for Begin Date.
10. Fiscal Year (FY) - The fiscal year data element indicates the government fiscal year during which funds for the project have been allocated. The format is a two-character numeric. Query format (1975): 75 (FY)
11. Supporting Agency ID Number (AN) - The field contains one or more numbers or alphanumeric codes of varying length by which the supporting agency identifies the project.
12. Supporting Agency (SA) - This field contains the formal name of the agency which is supporting the research project.
13. Type of Award (AT) - A single letter code is contained in this data element to indicate whether the award is a grant (G), contract (C) or fellowship (F). Query format: G (AT)
14. SSIE Accession Number (AC) - The SSIE Accession Number is the unique tag by which SSIE identifies the research project.
15. Performing Organization (PO) - This field contains the name of the organization performing the research. Query format: ALBERT EINSTEIN MEDICAL CENTER (PO)
16. Country (or State) (CO) - The name of the country, or the name of the state itself when the country is the United States, where the research project is being performed.
17. Text Word (TW) - The text word field consists of all the significant words or word fragments which appear in the title, abstract, or index term fields.

The CANCERPROJ manual will be made available in the next update to the NLM On-Line Services Reference Manual.

TELENET COMMUNICATIONS ACCESS
Steve Yanek, Data Communications Branch, NLM

In a continuing effort to offer the users of its on-line services the most modern and reliable communications technology, the NLM has recently connected the SUNY computer system to the TELENET network provided by the Telenet Communications Corporation. Provisions have also been made for a Telenet interface to the NLM computer system which we plan to implement by May 1976. Telenet is not a replacement for Tymshare, rather it provides an alternate access. Telenet will be particularly valuable when Tymshare is "out of ports" or unavailable.

Telenet, which inaugurated operations in July 1975, offers access in 16 cities, (10 additional cities by May 1976) and becomes the second commercial network to serve the information transfer requirements of NLM. Tymshare's TYMNET has been providing network capabilities for the majority of NLM users since February 1972.

In order to connect or interface to the Telenet system, NLM installed a device known as a Telenet Access Controller (TAC) at SUNY, and is installing an IBM 3704 communications controller at NLM in Bethesda. The 3704 will be equipped with Telenet supplied software that effectively makes the network transparent to the computer. The net effect of this interfacing is that various types of terminals will have additional access to MEDLINE with minimal changes in entry procedures. At present, however, the TAC cannot support IBM 2741 or similar terminals, but, when installed, the 3704 will be able to handle them.

Telenet connect/disconnect procedures, dial-in numbers, commands, messages, and terminal identifiers are outlined below. These procedures were provided by Telenet, except as modified by NLM.

I. Login Procedures

Instruction for Full Duplex, ASCII Terminal (tty compatible)	Computer Response	User Response
1. Turn on the terminal (and coupler if separate)		
2. Dial local Telenet access number		
3. Press carriage return, indicated in the User Response column by the (CR) symbol, <u>twice</u>		(CR) (CR)
4. Telenet will identify itself and your dial-in port and ask for terminal model identification. (For most 30-cps ASCII code terminals, the default identifier is (CR). If this does not work properly, please use the specific terminal identifier as listed at the end of this article). This example uses port 9 in Washington, 202 DL9.	TELENET 202 DL 9 TERMINAL=	(CR)

Instruction for Full Duplex, ASCII Terminal (tty compatible)	Computer Response	User Response
5. When you receive the prompt character-- the @ symbol--enter a 'C' and the net- work address of the host computer (The SUNY computer's network address is 518 ML.)	@	C 518 ML (CR)
6. Telenet will respond with a connection message to port n. There are 8 ports	518 MLn CONNECTED, e.g., 518 ML1 connected	
7. SUNY will respond with a request	TYPE SUNY	SUNY
8. SUNY now requests login	NOW LOGIN	/LOGIN _____ (CR) userid


For Half-Duplex setting, you will need to add one extra step (after Step 4 above):

4a. To indicate to the network that you are in Half Duplex, and do not want your input echoed back (as in Full Duplex), enter the word HALF. (Each character will be echoed)	@	HHAALLFF (CR)
5. Same as step 5 above.	@	C 518 ML (CR)
6. Telenet connection message.	518 ML CONNECTED	

NOTE: In the event that a problem occurs during the login process, it is not necessary to redial. Simply begin again with Step 3. Network commands can be deleted by pressing the RUBOUT or the DEL key.

II. Disconnecting from the Network

Instruction	Computer Response	User Response
1. Exit ELHILL.	USER:	"STOP" (CR)
2. Search count. A double at sign (@@) must be entered for each intellectual search.	Before you stop, have you entered an at sign @ for each intellectual search? Please do so before answering yes. USER:	@@ (CR)
3. Final reply.	USER: TIME _____ PROG: GOOD-BYE!	YES (CR)

4. Telenet breaks connection with SUNY. 518 ML DISCONNECTED  Hang up telephone

*Packets entered
Packets received

* A packet consists of up to 128 characters transmitted.

III. Telenet Dial-In Access Numbers (These numbers will be in the PHONES list)

Effective December 1, 1975

Atlanta	404/577-8911	Minneapolis	612/339-0150
Boston	617/338-1400	New York	212/736-7205
Chicago	312/372-4901	Newark	201/623-6818
Cleveland	216/241-0940	Philadelphia	215/574-0620
Dallas	214/748-0127	Pittsburgh	412/765-2681
Detroit	313/961-5115	San Francisco	415/362-6200
Houston	713/224-3380	St. Louis	314/231-8800
Los Angeles (Downtown)	213/624-5230	Washington, DC	202/347-1400
Los Angeles (West)	213/937-3580		

IV. Network Commands

When using Telenet, you are either in "network command mode" (talking to Telenet) or in "connect mode" (talking to the host computer). The following commands or abbreviations (underlined> may be used to talk to the network:

To connect to a host computer address	<u>CONNECT</u>
To disconnect from a host computer	<u>DISCONNECT</u>
To return to network command mode	<u>(CR)@(CR)</u>
To resume an existing connection	<u>CONTINUE</u>
To stop the network from echoing keyboard input on ASCII terminals	<u>HALF.DUPLEX</u>
To echo keyboard input on ASCII terminals	<u>FULL.DUPLEX</u>

V. Explanation of Network Messages

@	A Telenet prompt character indicating that the network is waiting for a command
TERMINAL=	Request for operator to enter terminal model identifier
(address) DOES NOT SUPPORT TERMINAL	The host system is refusing the connection because of the terminal model or mode
(address) ILLEGAL SOURCE ADDRESS	The host system will not communicate because of the terminal's address

In response to CONNECT command:

(address) CONNECTED	The connection between the terminal and the host system has been established successfully
(address) NOT OPERATING	The host system is not operating and the connection thus cannot be established
(address) NOT RESPONDING	The host system is operating but not acknowledging the terminal's request to connect
(address) NOT REACHABLE	The host system cannot be reached because intervening components are out of service
(address) ILLEGAL ADDRESS	The host system address is invalid because it identifies a non-existent system
SUBPROCESS UNAVAILABLE	The specific host process included as part of address is not available
(address) STILL PENDING	The terminal has a connection to this address pending and therefore cannot initiate another
(address) STILL CONNECTED	The terminal still has an active connection to this address and therefore cannot connect to another address
(address) REFUSED COLLECT CONNECTION	The host system is not willing to accept the charges for the connection
(address) NOT AVAILABLE	The host system is operating but is actively refusing to permit the terminal to connect

In response to CONTINUE command:

NOT CONNECTED	No suspended connection exists and the command is ignored
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VI. Terminal Model Identifiers

Enter the identification for your terminal model in response to network inquiry TERMINAL=

Terminal Model	Identifier
Anderson Jacobson 630	AJ63
Anderson Jacobson 841	#
Computer Devices CDI 1030	CD30
Datapoint 2200	DP22
Datapoint 3000	DP30
Datapoint 3300	DP33
DECwriter	DECW
Computer Transceiver Execuport 300	CT30
Data 100 73	DT73
General Electric TermiNet 30	TN30
General Electric TermiNet 300	GE30
Hazeltine 2000	HZ20
IBM 2740/2741 EBCD(with type:)	
963,996,998	IBM1
938,939,961,962,997	IBM2
942,943	IBM3
947,948	IBM4
IBM 2740/2741 Correspondence (with type:)	
001,005,007,008,012,020,030,	
050,053,067,070,085	IBM5
006,010,015,019,059,090	IBM6
021,025-029,031-039,060,068,	
086,123,129-145,156,161	IBM7
043,054	IBM8
Imlac PDS-1	IML1
Infoton Vista Standard	IFVS
Infoton Vistar Display	IFVD
Memorex MRX 1240	MX40
Research Inc. Teleray 3300	RI33
Tektronix 4010	TK10
Tektronix 4013	TK13
Tektronix 4023	TK23
Teletype Model 33	TT33
Teletype Model 35	TT35
Teletype Model 37	TT37
Teletype Model 38	TT38
Teletype Model 40	TT40
Teletype Inktronics	TTIN
Texas Instruments 725	TI25
Texas Instruments 733	TI33
Trendata 1000	#
Univac DCT 500	UV50
Video Systems 1200	VS12
Video Systems 5000	VS50
# same as IBM 2741	

If this list does not contain an identifier for your terminal, enter a carriage return. Default parameters for the speed and code you are using will then be assigned.

NEW SERIALS ANNOUNCEMENT - FEBRUARY 1976
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records and Binding Section during the month of December. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM.

- *ACTA BOTANICA SINICA (ENGLISH TRANSLATION)
15, 1973--
Plenum
New York, New York
- *AGING
1, 1975--
Raven Press
New York, New York
- *AMERICAN JOURNAL OF ROENTGENOLOGY
126, 1976--
Cont of American Journal of
Roentgenology, Radium Therapy
and Nuclear Medicine
Charles C Thomas
Springfield, Illinois
- *APPLIED AND ENVIRONMENTAL MICROBIOLOGY
31, 1976--
Cont of Applied Microbiology
American Society for Microbiology
Washington, D.C.
- *ASIAN JOURNAL OF PHARMACY
1, 1968?--
Federation of Asian Pharmaceutical
Associations
Quezon City, Philippines
- *CAHIERS DE READAPTION
1, 1975--
Seminaires Belges de Readaption
Hopital Universitaire Brug-Mann
Brussels, Belgium
- *CANCER AND AGING
N1, 1975--
Coe Laboratories
Jupiter, Florida
- *CLINICAL STUDIES IN OPHTHALMOLOGY
1, 1975--
Publishing Sciences Group
Acton, Massachusetts
- *DOKKYO JOURNAL OF MEDICAL SCIENCES
1, 1974--
Dokkyo Medical Society
Dokkyo University School of Medicine
Mibu Tochigi, Japan
- *EKSPLRIMENTALNAIA I KLINICHESKAIA
STOMATOLOGIIA
1, 1968--
Tsentralnyi Nauchno-Issledovatel'skii
Institut Stomatologii
Moscow, U.S.S.R.
- *ENDOKRINOPATTI V DERMATOLOGII
1, 1970--
Institut Uovershenstvovaniia
Vrachei
Moscow, U.S.S.R.
- *ENGINEERING IN MEDICINE
1, 1975--
Springer Verlag
New York, New York
- ESSAYS IN MEDICAL BIOCHEMISTRY
1, 1975--
Association of Clinical Biochemists
Biochemical Society
London
- *FIZIOLOGIIA CHELOVEKA
1, 1975--
Izdatelstvo Nauka
Moscow, U.S.S.R.

- HEALTH SYSTEMS MANAGEMENT
1, 1974--
First Three Volumes Published
Unnumbered and Numbered
Retrospectively
Spectrum
New York, New York
- HUMAN GENETICS
1, 1973--
Translation of Genetika Cheloveka
G K Hall
Boston, Massachusetts
- *INITIATIVES IN POPULATION
1, 1975--
Population Center Foundation
of the Philippines
Makati, Philippines
- *INTERNATIONAL BRAIN RESEARCH
ORGANIZATION MONOGRAPH SERIES
1, 1975--
Raven Press
New York, New York
- *JEN - JOURNAL OF EMERGENCY NURSING
1, 1975--
American Journal of Nursing
East Lansing, Michigan
- JOURNAL OF DIALYSIS
1, 1976--
Marcel Dekker
New York, New York
- *JOURNAL OF MEDICAL SYSTEMS
1, 1975--
University of Florida. Department
of Pathology
Gainesville, Florida
- JOURNAL OF MOVEMENT STUDIES
1, 1975--
Lepus Books
London, England
- JOURNAL OF VERTIGO
1, 1974--
Excerpta Medica Foundation
Amsterdam, Netherlands
- *MAURITIUS MEDICAL JOURNAL
1, 1975--
Mauritius Medical Journal
Port Louis, Mauritius
- *MEDICAL RADIOGRAPHER
1975?--
Association of Singapore Radiographers
Singapore General Hospital. Department
of Diagnostic Radiology
Singapore
- *NEPHROLOGIE IN KLINIK UND PRAXIS
1, 1974--
Dustri Verlag
Munich, West Germany
- *NEW YORK STATE JOURNAL OF OPTOMETRY
1, 1975--
New York State Optometric
Association
New York, New York
- *NYSSNIA JOURNAL
7, 1975--
Cont of Journal of the New York
State School Nurse Teachers
Association. New York State
School Nurse Teachers Association
Albany, New York
- OPHTHALMIC SEMINARS
1, 1976--
Marcel Dekker
New York, New York
- POPULATION AND DEVELOPMENT REVIEW
1, 1975--
Population Council
New York, New York
- *SCHRIFTENREIHE MEDIZIN
1, 1975--
Issued by the Bundesinstitut Fuer
Sportwissenschaft. Deutscher
Aerzte-Verlag
Cologne, West Germany

*SCHRIFTENREIHE - ZENTRALINSTITUT
FÜR DIE KASSENÄRZTLICHE VERSORGUNG
IN DER BUNDESREPUBLIK DEUTSCHLAND
1, 1975--
Deutscher Ärzte-Verlag
Cologne, West Germany

SOVIET RESEARCH REPORTS
1, 1975--
University of California, Brain
Information Service
Los Angeles, California

TOXICOLOGY RESEARCH PROJECTS DIRECTORY
1, 1976--
Toxicology Document and Data
Depository - NTIS
Springfield, Virginia

*UNFALLHEILKUNDE
79, 1976--
Cont of Monatsschrift Für
Unfallheilkunde Springer Verlag
Berlin, West Germany

MEDLARS TRAINEES AT NLM, MARCH 8, 1976

The twenty-seventh NLM On-line Service (MEDLINE) Training Class was held March 8-12, 1976. The following people attended:

Susan Chamberlin
State University of New York
at Buffalo
Buffalo, New York

Barbara Cohen
Medical College of Virginia
Virginia Commonwealth University
Richmond, Virginia

Jean E. Crampon
Southern Illinois University
School of Medicine
Springfield, Illinois

Susan Feinglos
Duke University Medical Center
Durham, North Carolina

Janet E. Lemke
Library of Congress
Washington, D.C.

Doris B. Marshall
Ralston-Purina Company
St. Louis, Missouri

Jeanetta McGee
Framingham Union Hospital
Framingham, Massachusetts

Enid Quincoses
Food and Drug Administration
Rockville, Maryland

Judith Russell
Office of Technology Assessment
U.S. Congress
Washington, D.C.

Michele Sansbury
Frederick Cancer Research Center
Frederick, Maryland

Eleanor Scott
Procter & Gamble Company
Cincinnati, Ohio

Dr. Roger J. Stopkie
ICI United States, Inc.
Wilmington, Delaware

KEYWORD INDEX TO NLM LITERATURE SEARCHES (NOS. 73-1 -- 76-12)

P.E. Pothier

MEDLARS Management Section, NLM

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75-29	ABUSE Child (Updates LS 73-28)
75-23	ACCIDENTS Prevention of industrial
73- 9	ACUPUNCTURE (Supplement to LS 72-1)
74- 5	ACUPUNCTURE (Updates LS 73-9)
75- 2	ACUPUNCTURE (Updates LS 74-5)
73- 8	ADDICTION Drugs in control of narcotic
75- 8	ADOLESCENT Hypertension in the child and
73-22	ADVERSE effects of intra-uterine devices
74-20	ADVERSE effects of oral contraceptives
76-11	ADVERSE effects of oral contraceptives and blood coagulation
75-25	ADVERSE effects of vinyl chloride
73-25	ADVERSE effects or toxicity of implant materials
74-22	AGED Nutrition for the (Includes nutritional deficiency states)
74- 3	AIR pollution effects. With emphasis on hypersensitivity
73-11	ALCOHOLISM Drug therapy of
73-12	Alcoholism Psychotherapy in
74- 8	ALLIED health occupation education Audiovisual aids, and computer assisted and programmed instruction in (Updates LS 72-13)
76- 2	AMNIOCENTESIS
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74- 8	AUDIOVISUAL aids, and computer assisted and programmed instruction in allied health occupation education (Updates LS 72-13)
74- 9	AUDIOVISUAL aids, and computer assisted and programmed instruction in dental education (Updates LS 72-12)
74- 6	AUDIOVISUAL aids, and computer assisted and programmed instruction in medical education (Updates LS 72-10)
74- 7	AUDIOVISUAL aids, and computer assisted and programmed instruction in nursing education (Updates but also includes citations from LS 72-11)
75-20	AUDITORY evoked response (ERA) in the infant and preschool child
75-28	AXIAL tomography EMI scanner. Computerized
74-21	B VITAMINS in pregnancy and oral contraception The
75-22	BCG and cancer
74-13	BIRTH weight infants (Causation, complications, development) Low
76-11	BLOOD coagulation Adverse effects of oral contraceptives and
74-19	BRAIN dysfunction Hyperactivity due to minimal (Includes all aspects except therapy. The latter is found in LS 74-18.)
74-18	BRAIN dysfunction Therapy of hyperactivity due to minimal
75-17	BREAST cancer: diagnosis, epidemiology, etiology, genetics, immunology and pathology
75- 5	BREAST cancer Psychological aspects of
5-18	BREAST cancer: therapy
74-12	BREAST neoplasms in the male
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76- 1 CANCER detection and therapy Government/non-government funding of
75-17 CANCER: diagnosis, epidemiology, etiology, genetics, immunology
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73-28 CHILD abuse
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73-16 CONTROL of obesity by diet
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74-14 DEATH by family and social and legal institutions Reaction to infant
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76- 8 DENTAL care for the handicapped
74- 9 DENTAL education Audiovisual aids, and computer assisted and
programmed instruction in (Updates LS 72-12)
75-11 DENTISTRY Hypnosis in
75-21 DEVICES -- Safety, regulation and legislation (with emphasis
on devices directly used by patients) Medical
75-16 DIAGNOSIS and treatment of myocardial infarction, 1974-1975
73-16 DIET Control of obesity by
75-15 DIETARY fibre
7- 3 DIETHYLSTILBESTROL and gynecologic neoplasms
73-33 DOPING and sports

- 73-11 DRUG therapy of alcoholism
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74- 7 EDUCATION Audiovisual aids, and computer assisted and programmed instruction in nursing (Updates but also includes LS 72-11)
75- 7 EDUCATION Patient
75-19 EFFECTS of microwave radiation
73- 2 ELDERLY Day care for the
75- 9 ELDERLY Hypertension in the
73-26 EMERGENCY room The hospital
75-28 EMI scanner (Computerized axial tomography)
73-36 ENURESIS with imipramine Therapy of
75-14 ESSENTIAL hypertension in the U.S. Hypertension: diagnosis, occurrence and prevention with emphasis on (Updates LS 73-32)
76-6 ETHNICAL and racial aspects of hypertension (with emphasis on the U.S.)
75-20 EVOKED response (ERA) in the infant and preschool child Auditory
73- 4 EXPERIMENTATION Human
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75-15 FIBRE Dietary
76- 1 FUNDING of cancer detection and therapy Government/non-government
74- 3 GENETIC counseling
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74- 4 GENETIC intervention (with emphasis on ethical, legal and religious aspects of genetic control)
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76- 1 GOVERNMENT/non-government funding of cancer detection and therapy
75- 3 GYNECOLOGIC neoplasms Diethylstilbestrol and
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75-10 HANDICAPPED patients Rights of mentally
73-19 HEALTH aspects of prison populations
76- 7 HEALTH in China Medicine and
73- 7 HEALTH indices in the United States
73- 5 HEALTH maintenance organizations
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73-10 HOSPITAL architecture
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75- 4 HYPERTENSION and smoking related to heart diseases
73-32 HYPERTENSION: diagnosis, occurrence and prevention (with emphasis on studies in the U.S.)

- 5-14 HYPERTENSION: Diagnosis, occurrence and prevention (with emphasis on essential hypertension in the U.S.) (Updates LS 73-32)
- 75- 8 HYPERTENSION in the child and adolescent
- 75- 9 HYPERTENSION in the elderly
- 76- 6 HYPERTENSION (with emphasis on the U.S.) Ethnical and racial aspects of
- 75-11 HYPNOSIS in dentistry
- 75-13 HYPNOSIS in medicine
- 73-36 IMIPRAMINE Therapy of enuresis with
- 73-25 IMPLANT materials Adverse effects or toxicity of
- 73-7 INDICES in the United States Health
- 75-30 INDUCTION Labor
- 75-23 INDUSTRIAL accidents Prevention of
- 75-20 INFANT and preschool child Auditory evoked response (FRA) in the
- 74-14 INFANT death by family and social and legal institutions Reaction to
- 75-27 INFANT sleep
- 74-13 INFANTS (Causation, complications, development) Low birth weight
- 73-17 INFANTS Sudden unexpected death in
- 74-16 INFORMED consent
- 74- 2 INJURIES Rehabilitation in spinal cord
- 74- 8 INSTRUCTION in allied health occupation education Audiovisual aids, and computer assisted and programmed (Updates LS 72-13)
- 74- 9 INSTRUCTION in dental education Audiovisual aids, and computer assisted and programmed (Updates LS 72-12)
- 74- 6 INSTRUCTION in medical education Audiovisual aids, and computer assisted and programmed (Updates LS 72-10)
- 74- 7 INSTRUCTION in nursing education Audiovisual aids, and computer assisted and programmed (Updates and includes LS 72-11)
- 74- 4 INTERVENTION Genetic (with emphasis on ethical, legal and religious aspects of genetic control)
- 74-11 INTESTINAL bypass for morbid obesity
- 73-22 INTRAUTERINE devices Adverse effects of
- 75-30 LABOR induction
- 75- 6 LABORATORIES Quality control, reliability and standards in clinical (Updates LS 71-25)
- 73-27 LAPAROSCOPIC sterilization
- 75-21 LEGISLATION Medical devices -- safety, regulation and
- 74-13 LOW birth weight infants (Causation, complications, development)
- 74-12 MALE Breast neoplasms in the
- 74-15 MALPRACTICE
- 73-34 MAMMALIAN tumors Herpesviruses and the etiology of
- 75-21 MEDICAL devices -- safety, regulation and legislation (with emphasis on devices directly used by patients)
- 74- 6 MEDICAL education Audiovisual aids, and computer assisted and programmed instruction in (Updates LS 72-10)
- 76- 5 MEDICAL records Confidentially of
- 76- 9 MEDICAL records Problem oriented
- 76- 7 MEDICINE and health in China
- 75-13 MEDICINE Hypnosis in
- 75-26 MEDICINE Sport

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73-35 MENTAL retardation: facilities, rehabilitation, services (with emphasis
on the U.S.)
75-10 MENTALLY handicapped patients Rights of
73-21 MICRO-WAVE oven The
75-19 MICROWAVE radiation Effects of
74-19 MINIMAL brain dysfunction Hyperactivity due to (Includes all aspects
except therapy. The latter is found in LS 74-18)
74-18 MINIMAL brain dysfunction Therapy of hyperactivity due to
73-14 MODELS Neoplasm
75-16 MYOCARDIAL infarction, 1974-1975 Diagnosis and treatment of
73- 8 NARCOTIC addiction Drugs in control of
73-14 NEOPLASM models
75- 3 NEOPLASMS Diethylstilbestrol and gynecologic
74-12 NEOPLASMS in the male Breast
73-23 NOMENCLATURES, subject headings and classifications
74- 7 NURSING education Audiovisual aids, and computer assisted and programmed
instruction in (Updates but also includes LS 72-11)
76- 3 NUTRITION and mental development
74-22 NUTRITION for the aged (Includes nutritional deficiency states)
74- 1 NUTRITION in burns
74-10 NUTRITION in trauma
74-11 OBESITY Intestinal bypass for morbid
73-16 OBESITY by diet Control of
74-11 ORAL contraception and blood coagulation Adverse effects of
74-21 ORAL contraception The B vitamins in pregnancy and
74-20 ORAL contraceptives Adverse effects of
73- 5 ORGANIZATIONS Health maintenance
75-12 PATIENT compliance in therapy
75- 7 PATIENT education
75-10 PATIENTS Rights of mentally handicapped
73- 1 PHYSIOLOGY Prostaglandins in abortion and reproductive
73-29 PLANTS Chemistry of common poisonous
73-29 POISONOUS plants Chemistry of common
73- 3 POLLUTION (With emphasis on hypersensitivity) Air
74-21 PREGNANCY and oral contraception The B vitamins in
75-23 PREVENTION of industrial accidents
73-19 PRISON populations Health aspects
76- 9 PROBLEM oriented medical records
74- 8 PROGRAMMED instruction in allied health occupation education Audiovisual
aids, and computer assisted and (Updates LS 72-13)
74- 9 PROGRAMMED instruction in dental education Audiovisual aids, and
computer assisted and (Updates LS72-12)
74- 6 PROGRAMMED instruction in medical education Audiovisual aids, and
computer assisted and (Updates LS 72-10)
74- 7 PROGRAMMED instruction in nursing education Audiovisual aids, and
computer assisted and (Updates LS 72-11)
73- 1 PROSTAGLANDINS in abortion and reproductive physiology
74-17 PSROS (Professional Standards Review Organizations)
7 5 PSYCHOLOGICAL aspects of breast cancer
73-13 PSYCHOLOGICAL aspects of cancer

- 73-15 PSYCHOPHARMACOLOGY in geriatrics
73-18 PSYCHOSURGERY
73-12 PSYCHOTHERAPY in alcoholism
75- 6 QUALITY control, reliability and standards in clinical laboratories (Updates LS 71-25)
76- 6 RACIAL aspects of hypertension (with emphasis on the U.S.)
Ethical and
75-19 RADIATION Effects of microwave
73-24 RAPE
74-14 REACTION to infant death by family and social and legal institutions
76- 5 RECORDS Confidentiality of medical
76- 9 RECORDS Problem oriented medical
75-21 REGULATION and legislation (with emphasis on devices directly used by patients) Medical devices -- safety,
74- 2 REHABILITATION in spinal cord injuries
75- 6 RELIABILITY and standards in clinical laboratories Quality control, (Updates LS 71-25)
73- 1 REPRODUCTIVE physiology Prostaglandins in abortion and
75-20 RESPONSE (ERA) in the infant and preschool child Auditory evoked
73-35 RETARDATION: facilities, rehabilitation, services (with emphasis on the U.S.) Mental
75- 1 RETINITIS pigmentosa
75-10 RIGHTS of mentally handicapped patients
75-21 SAFETY, regulation and legislation (with emphasis on devices directly used by patients) Medical devices -ren
75-28 SCANNER (computerized axial tomography) EMI
75-27 SLEEP Infant
75- 4 SMOKING related to heart diseases Hypertension and
74- 2 SPINAL cord injuries Rehabilitation in
75-26 SPORT medicine
73-33 SPORTS Doping and
75- 6 STANDARDS in clinical laboratories Quality control, reliability and (Updates LS 71-25)
73-27 STERILIZATION Laparoscopic
73-23 SUBJECT headings, and classifications Nomenclatures,
73-17 SUDDEN unexpected death in infants
73-36 THERAPY of enuresis with imipramine
75-28 TOMOGRAPHY) EMI scanner (computerized axial
73- 6 TRANSPLANTATION - ethical, legal, and religious aspects
76-12 TRAUMA and cancer
74-10 TRAUMA Nutrition in
73-34 TUMORS Herpesviruses and the etiology of mammalian
73- 7 UNITED STATES Health indices in
75-25 VINYL chloride Adverse effects of
74-21 VITAMINS in pregnancy and oral contraception B



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of the

Library Component of the Biomedical Communications Network

v. 84

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
of the
Library Component of the Biomedical
Communications Network

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The LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
is issued monthly by the Office of the
Associate Director for Library Operations.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with
May 1976 citations at NLM and SUNY on
April 12. The sizes, Index Medicus date
ranges, and entry date ranges are given
below:

MEDLINE (Jan 74 - May 76) - 558,796
(Entry Dates: 731130 to 760402)
SDILINE (May 76)
(Entry Dates: 760305 to 760402)

ON-LINE TECHNICAL NOTES

PLEASE QUERY THE NLM/ON-LINE NEWS FILES DAILY FOR SPECIAL NOTICES AND MESSAGES

Whenever applicable, in the margin beside each Technical Note, users will be referred to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that in many instances the item may also pertain to other sections of the Manual.

'USING MESH: A
PROGRAMMED GUIDE' -
MESH TOOLS REQUIRED

Users should save their copies of the January 1975 issue of Index Medicus and the 1975 "black and white" Medical Subject Headings vocabulary list (MeSH). These tools must be used in conjunction with 'Using MeSH: A Programmed Guide' which will be available later this year.

OFFSEARCH
PRINTSPECS,
SINGLE ELEMENTS
(Manual XVI-3)

When the user is responding to the PRINTSPECS? prompt in OFFSEARCH, he may enter one of the standard print options (e.g., FULL or FU, STANDARD or SD (for author, title, and source), or AR (for author, title, source, and abstract). He may also enter tailored print specifications (e.g., AU, TI, SO, CN or SD include AB), but it is a system requirement that at least one "required" data element be included in the print command, or garbled output may result. For instance, all citations must have a title and a source, but they are not required to have an author or an abstract. If the user responded with AU to PRINTSPECS?, problems may result as the element is not a required data element and may be missing from some citations. The

following are the required data elements for the citation files:

ED Entry Date
 RS Record Source
 TA Journal Title Abbreviation
 LA Language
 JC Journal Title Code
 CN Citation Number
 MH Main Headings
 TI Title
 PG Pagination

TYMSHARE NUMBERS:

MIAMI, FL;
 CALGARY, ALB.;
 EDMONTON, ALB.;
 TORONTO, ONT.;
 VANCOUVER, BC;
 UNION, NJ
 (Manual II-9)

The following Tymshare numbers have been added, or changed:

1) New Nodes

Miami, FL	10,15,30 cps	305/374/7115
Calgary, Alb.	30 cps	403/263-0487
	15 cps	403/263-2006
	10 cps	403/263-2072
Edmonton, Alb.	10,15,30 cps	403/452-7014
Toronto, Ont.	30 cps	416/863-6202
	15 cps	416/863-6277
	10 cps	416/863-6252
Vancouver, BC	30 cps	604/688-9811
	15 cps	604/688-4838
	10 cps	604/688-4338

Note: All of the above numbers accept correspondence code.

The Calgary, Toronto, and Vancouver nodes do not prompt for the terminal identifier, which must, nevertheless, be entered about 2 seconds after the connection is established. Because of different rate structures, U.S. users should not use Canadian nodes without prior coordination with NLM.

2) Changed Numbers

Union, NJ, changed to 201/964-6300 (EBCDIC)

E COLI,
 EXPLOSIONS

At the present time the following explosions will fail to retrieve 7,637 of the citations in MEDLINE indexed under ESCHERICHIA COLI:

EXP ESCHERICHIA

EXP B3.475.300.325

EXP ESCHERICHIA COLI

EXP E COLI

EXP B3.475.300.325.300

The citations which will not be retrieved by the above explosions were indexed using the entry version E. COLI, which has since been changed in MeSH to E COLI. The situation will be corrected when the citation file is updated at the end of the year. To retrieve these citations, the searcher must OR his Explosion with the main heading ESCHERICHIA COLI or the entry form E COLI (without the period).

NETWORK MESSAGES
TELENET

Four network messages were not reported in the article "Telenet Communications Access" (Technical Bulletin, March 1976). These are:

- ? The command entered was not understood by the network or is not available to the network.
- (address) BUSY The specific TAC line or line group included in part of address is in use.
- (address) REJECTING CONNECTION The host system is operating but is not authorizing communications with the terminal.
- CONNECTIONS UNAVAILABLE The host system is busy, having no available connection to assign to the terminal.

ON-LINE USERS
SESSION AT MLA

At the MLA meeting in Minneapolis a group of NLM staff members will be available between 5 and 7 p.m. on Monday, June 14, to discuss current trends and changes in NLM's on-line data bases and to answer any questions that on-line users may have. For further details consult the registration packet which will be distributed at MLA.

TELENET, NEW NODES: The following nodes have been added to the TELENET communications network:

SAN DIEGO, CA;	San Diego, CA	714/231-1922	10, 15, 30 cps
CINNATI, OH;	Cincinnati, OH	513/621-7017	10, 15, 30 cps
OTTAWA, ONT;	Ottawa, ONT	613/563-9639	30 cps
TORONTO, ONT.;		613/563-9629	15 cps
MONTREAL, QUE;		613/563-9625	10 cps
MILWAUKEE, WI	Toronto, ONT	416/361-0011	30 cps
		416/361-1515	15 cps
		416/361-1728	10 cps
	Montreal, QUE	514/878-9971	30 cps
		514/878-9977	15 cps
		514/878-9975	10 cps
	Milwaukee, WI	414/271-2560	10, 15, 30 cps

Because of different rate structures, U.S. users should not use Canadian nodes without prior coordination with NLM.

MEDLINE TRAINEES AT UCLA, MARCH 15, 1976

The University of California Biomedical Library, Los Angeles, held its twenty-first MEDLINE Training Class March 15 - 19, 1976. The following people attended:

Joan Burkett
University of Nevada
Reno, Nevada

Connie L. Fly
Fresno Community Hospital
Fresno, California

Ann Carrico
Veterans Administration Hospital
Sepulveda, California

Barbara Nagnuson
California State University
Northridge, California

Wendy Cullotta
California State University
Long Beach, California

Charlie Pierce
Lawrence-Livermore Laboratories
Livermore, California

Anna Fitzgerald
Stanford Research Institute
Menlo Park, California

Jeanne Smyser
Mountain States Tumor Institute
Health Information Retrieval Center
Boise, Idaho

THE EPILEPSY DATA BASE
 Julia L. Long
 Technical Information Specialist
 Epilepsy Branch, NDP, NINCDS

Current Status of the File

Under the terms of an agreement between the National Library of Medicine and the National Institute of Neurological and Communicative Disorders and Stroke, the Epilepsy Data Base became available to all U.S. MEDLINE or TOXLINE users on January 6, 1976. The data base contains 17,150 citations specifically relevant to epilepsy and includes information on the scientific, clinical, and social aspects of the disease. The abstracts encompass the years 1945-1975, and the file is updated quarterly. Each update increases the file by 400-500 abstracts. One may access the Epilepsy Data Base by issuing the command "FILE EPILEPSY.

Citations correspond to entries in Epilepsy Abstracts, a publication generated by Excerpta Medica under contract to NINCDS. The Epilepsy file is a free text system. Titles, abstracts, and keywords are textextracted and can therefore be searched. Keywords derive from a thesaurus developed by Excerpta Medica for all of their abstracting publications. The command "EXPLAIN UNIT RECORD causes the program to list the 17 possible data elements with abbreviations (for qualifying searches), search status, and print options. Nine of these 17 elements are directly searchable, and all may be STRINGSEARCHed.

Epilepsy Unit Record

ABBRE- VIATION	SEARCH STATUS	CATEGORY NAME	PRINT	PRINT FULL	PRINT DETAILED
SI	YES	SOURCE IDENTIFICATION	YES	YES	YES
CC	YES	CLASSIFICATION CODE			YES
TI	NO	TITLE (TEXTTRACTED)	YES	YES	YES
LA	YES	LANGUAGE		YES	YES
VT	NO	VERNACULAR TITLE			YES
AU	YES	AUTHOR	YES	YES	YES
AD	NO	ADDRESS		YES	YES
SO	NO	SOURCE	YES	YES	YES
JC	YES	JOURNAL TITLE CODE			YES
YT	YES	YEAR OF PUBLICATION/PROD	YES	YES	YES
VI	YES	VOLUME/ISSUE			
JT	YES	JOURNAL TITLE			
NO	NO	NOTE			YES
AB	NO	ABSTRACT (TEXTTRACTED)		YES	YES
KW	NO	KEYWORDS (TEXTTRACTED)			YES
SJ	NO	SECONDARY SOURCE JOURNAL			YES
TW	YES	TEXTWORDS (UNIQUE TERMS)			

Print Options

There are three print options, "PRINT", "PRINT FULL", and "PRINT DETAILED". Examples of each option are given below:

"PRINT

AU - Browne TR
 AU - Penry JK
 AU - Porter RJ
 AU - Dreifuss EA
 TI - Responsiveness before, during and after spike wave paroxysms.
 SO - Neurology (Minneap): 23: 403,
 SI - EA/6/1265
 YP - 1973

The source identification field (SI) corresponds to an Epilepsy Abstracts volume and abstract number. In the above example, the abstract for Browne, et al. appears in Epilepsy Abstracts, volume 6, abstract number 1265. The year of publication (YP) field follows the source identification. This field can be searched and ranged (using the FROM ____ TO ____ strategy), but it must be entered as a four digit number, i.e. 1975, not 75. Note that both elements of the source (SO) field can be searched independently as journal title (JT) and volume/issue (VI).

"PRINT FULL

AU - Browne TR

 YP - 1973
 LA - English
 AB - Since moments of mental dysfunction often go unrecognized . . .

The "PRINT FULL" option adds the language field (LA) and the abstract (AB). If the article is in a foreign language, there are 2 language entries, one with the language itself and one with the notation, FOR (foreign).

"PRINT DETAILED

AU - Browne TR

 SO - Neurology (Minneap): 23: 403,
 SJ - 6/10/1973/225/1265
 JC - EURAUSA
 SI - EA/6/1265
 YP - 1973
 LA - English
 C - 32
 E - Since moments of mental dysfunction often go unrecognized . . .
 M - Absence
 KW - Consciousness
 KW - Electroencephalography
 KW - Spike Wave
 KW - During and after paroxysms

The secondary source journal field (SJ) is an expansion of the source identification (SI) field, which is discussed in the first example. In the above example, 6/10/1973/225/1265 means Epilepsy Abstracts 6(10): 225, 1973, abstract number 1265. The secondary source journal field is printable only; the source

identification field is searchable and printable. Journal codens (JC) and journal titles (JT) must be searched according to Excerpta Medica's codens and abbreviations. Classification codes (CC) are directly searchable and rangeable. These codes, which are listed on the first page of the printed issues of Epilepsy Abstracts, arrange the abstracts by subject. Classification codes are entered as two digit numbers, without decimal points, and can be ranged (again using the FROM ___ TO ___ strategy).

Many citations in the file contain the author's address (AD) and some foreign citations include the vernacular title (VT).

A brief taxonomy of anticonvulsants is listed in Appendix I with generic names and trade names. Two books which may be helpful in using the Epilepsy file are listed below.

1. Dictionary of Epilepsy. Part I. Definitions by H. Gastaut. World Health Organization, 1973. (Mainly pertains to clinical aspects of epilepsy.)
2. Pocket Consult: Antiepilepsy Agents. American Society of Hospital Pharmacists, 4630 Montgomery Avenue, Washington, D.C. 20014.

APPENDIX I: Anticonvulsants

The generic names and trade names of anticonvulsants are listed below. The principle drugs used in the management of seizures are barbiturates, hydantoins, and succinimides.

GENERIC NAME	TRADE NAME
Acetazolamide--Diamox	Antilon--Eterobarb
Albutoin--Co-Ord	Atabrine--Quinacrine
Amphetamines--Benzedrine, Dexedrine	Benzedrine, Dexedrine--Amphetamines
Aminoglutethimide--Elipten	Benuride--Pheneturide
Carbamazepine--Tegretol	Celontin--Methsuximide
Chlordiazepoxide--Librium	Clonopin--Clonazepam
Clonazepam--Clonopin	Conadil, Ospolot--Sulthiame
Clorazepate--Tranxene	Co-Ord--Albutoin
Diazepam--Valium	Depakene--Valproate
Eterobarb--Antilon	Dexedrine, Benzedrine--Amphetamines
Ethosuximide--Zarontin	Diamox--Acetazolamide
Ethotoin--Peganone	Dilantin--Phenytoin
Imipramine--Tofranil	Elipten--Aminoglutethimide
Mephenytoin--Mesantoin	Ko 1173--Mexiletine
Mephobarbital--Mebaral	Librium--Chlordiazepoxide
Methsuximide--Celontin	Luminal--Phenobarbital
Mexiletine--Ko 1173	Mebaral--Mephobarbital
Nitrazepam--Mogadon	Mesantoin--Mephenytoin
Paramethadione--Paradione	Milontin--Phensuximide
Pentobarbital--Nembutal	Mogadon--Nitrazepam
Phenacemide--Phenurone	Mysoline--Primidone
Pheneturide--Benuride	Nembutal--Pentobarbital
Penobarbital--Luminal	Ospolot, Conadil--Sulthiame
Phensuximide--Milontin	Paradione--Paramethadione

GENERIC NAME	TRADE NAME
Phenthenylate--Thiantoin	Peganone--Ethotoin
Phenytoin--Dilantin	Phenurone--Phenacemide
Primidone--Mysoline	Tegretol--Carbamazepine
Quinacrine--Atabrine	Thilantoin--Phenthenylate
Sulthiame--Ospolot, Conadil	Tofranil--Imipramine
Trimethadione--Tridione	Tranxene--Clorazepate
Valproate--Depakene	Tridione--Trimethadione
	Valium--Diazepam
	Zarontin--Ethosuximide

MEDLINE TRAINEES AT NLM, APRIL 12, 1976

The twenty-seventh NLM On-line Service (MEDLINE) Training Class was held April 12-16, 1976. The following people attended:

Holly Buchanan
Norton Children's Hospital
Louisville, Kentucky

Susan W. Leggette
University of Virginia Medical Center
Charlottesville, Virginia

Lucy R. Butler
Veterans Administration Hospital
Togus, Maine

Philippe Lemay
National Research Council of Canada, CISTI
Ottawa, Ontario

Wendy N. Carter
Veterans Administration
Washington, D.C.

Senta Lowenstein
National Library of Medicine
History of Medicine Division
Bethesda, Maryland

Gordon Cheatham
Georgetown University
Washington, D.C.

Elaine MacEacheren
Central Intelligence Agency
Washington, D.C.

Deborah D. Gilbert
Children's Hospital
Washington, D.C.

Maynard Marshall
Library of Congress
Washington, D.C.

Rose Holston
National Library of Medicine
Extramural Programs
Bethesda, Maryland

Cliff Nestell
Fairview General Hospital
Cleveland, Ohio

Carstine Horner
Veterans Administration
Department of Medicine and Surgery
Washington, D.C.

Carol Sistrunk
Veterans Administration Center
Jackson, Mississippi

NEW SERIALS ANNOUNCEMENT - MARCH 1976
 Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records and Binding Section during the month of March. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM.

*ANALES CHILENOS DE HISTORIA
 DE LA MEDICINA

1, 1959--
 Universidad de Chile.
 Centro de Investigaciones de
 Historia de la Medicina
 Sociedad Chilena de Historia
 de la Medicina
 Santiago, Chile

ANNUAL REVIEW OF ENERGY

1, 1976--
 Annual Reviews
 Palo Alto, California

*ARCHIVES FOR DERMATOLOGICAL
 RESEARCH

253, 1976--
 Cont. of Archiv fur Dermatol-
 ogische Forschung
 Springer Verlag
 Berlin, West Germany

BEHAVIOR THERAPY: TECHNIQUES,
 PRINCIPLES AND PATIENT AIDS
 (Audio Cassette)

1, 1975--
 Biomonitoring Applications
 New York, New York

BEHAVIORAL ENGINEERING

1, 1973--
 Farrall Instruments
 Grand Island, Nevada

BIOFEEDBACK TECHNIQUES IN CLINICAL
 PRACTICE (Audio Cassette)

1, 1975--
 Biomonitoring Applications
 New York, New York

*BULLETIN EUROPEEN DE PHYSIOPATHOLOGIE
 RESPIRATOIRE

12, 1976--
 Cont. of Bulletin de Physiopath-
 ologie Respiratoire
 Nancy, France

CAHIER DE L' INFIRMIERE

1, 1975--
 Masson et Cie
 Paris, France

HEALTH CARE MANAGEMENT REVIEW

1, 1975--
 Aspen Systems Corporation
 Germantown, Maryland

HUMAN PHYSIOLOGY

1, 1975--
 Consultants Bureau
 Translation of Fiziologia
 Cheloveka, Issued by the
 Akademiia Nauk SSSR in Moscow
 New York, New York

INFORMATION SCIENTIFIQUE DU BIOLOGISTE

1, 1975--
 Expansion Scientifique
 Societe Francaise de Biologie
 Clinique
 Paris, France

*INTERNATIONAL JOURNAL OF RADIATION
 ONCOLOGY, BIOLOGY, PHYSICS

1, 1975--
 Pergamon Press
 American Society of Therapeutic
 Radiologists
 Elmsford, New York

- IROS: INTERNATIONAL REVIEW OF
OPIUM STUDIES
1, 1976--
Institute for the Study of
Human Issues
Philadelphia, Pennsylvania
- *JOURNAL OF OPTOMETRIC VISION
DEVELOPMENT
6, 1976--
College of Optometrists in
Vision Development
Cont. of Optometric Vision
Therapy
Worthington, Minnesota
- MEDICAL INFORMATICS
1, 1976--
Taylor and Francis
London, England
- NATIONAL HEALTH RELATED ITEMS
CODE DIRECTORY
1974--
Bureau of Medical Devices
and Diagnostic Products
Cover Title, 1974- NHRIC;
National Health Related
Items Directory
Rockville, Maryland
- NORDISK TIDSKRIFT FOR BETEENDETERAPI
1, 1971--
Beteendeterapeutiska Foreningen
Uppsala, Sweden
- OPTIONS FOR POLICY AND PRACTICE
1, 1975--
Population Center Foundation
Makati, Philippines
- PHYSIOLOGIE HUMAINE
1975--
Simep Editions
Villeurbanne, France
- *REGISTRY OF TOXIC EFFECTS OF CHEMICAL
SUBSTANCES
1976--
National Institute of Occupational
Safety and Health
Cont. of Toxic Substances List
Rockville, Maryland
- *TURK HIJIYEN VE DENEYSEL BIYOLOJI
DERGISI
35, 1975--
Refik Saydam Merkez
Hifzissihha Enstitusu
Cont. of Turk Hiyije ve Tecruebi
Biyoloji Dergisi
Ankara, Turkey
- UP VETERINARY JOURNAL
1, 1973--
Uttar Pradesh Veterinary
Association
Lucknow, India
- VIROLOGIE
26, 1976--
Cont. of Revue Roumaine de Virologie
Bucharest, Rumania
- *ZOOMORPHOLOGIE
82, 1975--
Springer Verlag
Cont. of Zeitschrift fur Morphologie
der Tiere
Berlin, West Germany



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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

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Library Component of the Biomedical
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The LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
is issued monthly by the Office of the
Associate Director for Library Operations.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE at NLM and SDILINE
at SUNY were updated with June 1976
citations on May 10. MEDLINE at SUNY
was updated June 2. The sizes, Index
Medicus date ranges, and entry date
ranges are given below:

MEDLINE (Jan 74 - June 76) - 582,413
(Entry Dates: 731130 to 760430)
SDILINE (June 76) - 23,617
(Entry Dates: 760406 to 760430)

ON-LINE TECHNICAL NOTES

PLEASE QUERY THE NLM/ON-LINE NEWS FILES DAILY FOR SPECIAL NOTICES AND MESSAGES

Whenever applicable, in the margin beside each Technical Note, users will be referred to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that in many instances the item may also pertain to other sections of the Manual.

TELENET
ACCESS, NLM
(Manual II)

Users may now access the NLM computer as well as SUNY via TELENET. The article "TELENET Communications Network" by Steve Yanek in the March 1976 issue of the Technical Bulletin (page 7) provides instructions on the use of TELENET. To access the NLM computer, enter C 301 20 instead of C 518 ML which is used for SUNY. When TELENET responds with 301 20 CONNECTED, enter /LOGIN and press the carriage return. A carriage return is required after the TIME XX:XX:XX DATE message. (If at any time during your login through TELENET you encounter a waiting period, press the carriage return to elicit a response from the system.)

TELENET NUMBERS
(Manual II)

The following nodes have been added to the TELENET network:

Phoenix	AZ	602/257-1552
San Carlos	CA	415/595-0360
Santa Ana	CA	714/558-6761
Denver	CO	303/623-0876
Miami	FL	305/374-6400
Baltimore	MD	301/962-5010
Portland	OR	503/243-2800
Seattle	WA	206/624-9780

YMSHARE NUMBERS
(Manual II-9)

New Nodes:

Austin, TX	512/477-9084
Akron, OH	216/376-1451 (30 cps)
	216/434-6195 "
	216/434-6648 "
	216/434-1601 (10 cps)
	216/434-6646 "
	216/434-6960 "
Salt Lake City, UT	801/582-8972

Changed Numbers:

Cleveland, OH	(All Numbers) changed to 216/781-7050
San Jose, CA	(408/257-9050) changed to 408/984-5500
Pittsburgh, PA	(412/765-3511) changed to 412/765-1320

All of the above numbers accept correspondence code (C).

IBM 2741 AND
TELENET

Access to the NLM computer via TELENET will be available shortly. When logging in to NLM via TELENET on a 2741, enter a period and a carriage return instead of the two carriage returns used with other terminals. The SUNY computer cannot be accessed via TELENET.

STORESEARCH,
STRINGSEARCH (TS)
(Manual XVI-16)

Centers with access to the STORESEARCH capability may now include STRINGSEARCHING (TS) within their STORESEARCH strategies.

NONSERIAL
LITERATURE,
MEDLINE AND
INDEX MEDICUS
(Manual V)

Index Medicus and MEDLINE are no longer limited strictly to references to articles from the journal literature. Beginning with the May 1976 issue, selected congresses, symposia, proceedings, and multi-authored monographs will be included.

MEDLARS II, NLM's third-generation processing system installed in 1975, has made it possible to cite nonserial literature, including in the citation full bibliographic identification of the source. Each paper or chapter will be indexed to include title, author(s), and pagination, as well as identification of the source volume.

Because of the large amount of such literature, monographs will be selected carefully on the basis of quality, currency, and special interest to particular groups of MEDLARS and MEDLINE users.

There are currently approximately 2,500 nonserial citations in the MEDLINE data base. Each nonserial citation is assigned the checktag MONOGRAPH by the literature analysts at NLM. Searchers may use this checktag to include or exclude the nonserial citations in their search strategies. For example:

SS 2 /C?
USER:

1 AND MONOGRAPH (MH)

HOURS OF SERVICE,
HOLIDAYS

Following is the holiday schedule for the NLM and SUNY systems through February 21, 1977:

	<u>NLM</u>	<u>SUNY</u>
Memorial Day (Mon, May 31)	DOWN	DOWN
Independence Day (Mon, Jul 5)	DOWN	DOWN
Labor Day (Mon, Sep 6)	DOWN	DOWN
Columbus Day (Mon, Oct 11)	UP*	UP*
Veterans Day (Mon, Oct 25)	UP*	UP*
Election Day (Tue, Nov 2)	UP	UP
Thanksgiving Day (Thu, Nov 25)	DOWN	DOWN
Christmas (Fri, Dec 24)	DOWN	DOWN
New Years (Fri, Dec 31)	DOWN	DOWN
George Washington's Birthday (Mon, Feb 21)	UP*	DOWN

*Non-Prime time rates in effect all day.

MEDLINE TRAINEES AT UCLA, MAY 3, 1976

The University of California Biomedical Library, Los Angeles, held its twenty-second MEDLINE Training Class May 3 - 7, 1976. The following people attended:

Lynn Allen
Lawrence-Livermore Laboratories
University of California
Livermore, California

Barbara Klompus
Alza Corporation
Palo Alto, California

William Heinlen
California State University
Fresno, California

Liz O'Connell
Kaiser-Permanente Medical Center
Panorama City, California

VARIANT ENGLISH SPELLINGS AND TEXTWORD SEARCHING
Robin Chivers, Index Section, NLM

When textword searching in MEDLINE, in order to insure complete retrieval, one should be aware of variant English spellings. In general, longer spellings of words are used in Britain and countries where British spelling is preferred, such as Australia, India, New Zealand, South Africa, etc.

1. Some British authors use short forms.
2. Some North American authors use longer forms.
3. Some European journals use both forms.

There is no uniformity of word usage in any particular country or journal. In any particular journal spelling will depend on the whims of the author and editorial policy.

A sample of the more common variants is given below. Note that not all are shorter/longer forms; some involve replacement of one consonant by another, transposition of two letters, etc.

<u>North American</u>	<u>British</u>	<u>North American</u>	<u>British</u>
E	AE	F	PH
Anesthesia	Anaesthesia	Sulf- (sulfates)	Sulph- (sulphates)
Caecum	Caecum		
Cesarean sect.	Caesarean sect.	IZ	IS
-emia (anemia)	-aemia (anaemia)		
Etiology	Aetiology	Organization	Organisation
Feces	Faeces		
Gynecology	Gynaecology	K	C
Hem- (hematuria)	Haem- (haematuria)		
Medieval	Mediaeval	Leukocyte	Leucocyte
Orthopedics	Orthopaedics	L	LL
E	OE	Counseling	Counselling
Celiac	Coeliac		
Edema	Oedema	OR	OUR
Esophagus	Oesophagus		
Estrus	Oestrus	Labor	Labour
Fetus	Foetus	Color	Colour
-rrhea (diarrhea)	-rrhoea (diarrhoea)	Odor	Odour
		Tumor	Tumour
ER	RE	CTION	XION
Center	Centre		
Fiberoptics	Fibreoptics	Connection	Connexion
Goiter	Goitre	Reflection	Reflexion
Liter	Litre		
Meter	Metre		
Theater	Theatre		

<u>North American</u>	<u>British</u>
-----------------------	----------------

MISCELLANEOUS

Hiccup	Hiccough
Jewelry	Jewellery
Licorice	Liquorice
Program	Programme

Consider, for example, the search topic "Pediatric esophageal tumors presenting to community health centers." Naturally, this could be done using main headings and check tags, but if using textwords, consider the following:

PEDIATRIC (TW) OR PAEDIATRIC (TW)
ESOPHAGEAL (TW) OR OESOPHAGEAL (TW)
TUMORS (TW) OR TUMOURS (TW)
CENTERS (TW) OR CENTRES (TW)

Keep in mind also the use of different British words for North American concepts. For example:

MATRON for Director of nurses
OPERATING THEATRE for Operating room

The trend for the future appears to be for shortened spelling, so this variant spelling should be a diminishing problem. Meanwhile, for thorough textword searching variant spellings should be included.

Sources:

Stedman's Medical Dictionary. 23rd ed., 1976. p. xiv. Spelling.
Webster's Third New International Dictionary. Unabridged. 1969.
p. 25a-25b. Spelling.

NEW SERIALS ANNOUNCEMENT - APRIL 1976
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records and Binding Section during the month of April. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM.

ADVANCES IN GENERAL AND CELLULAR
PHARMACOLOGY
1, 1976--
Plenum
New York, New York

ADVANCES IN HETEROCYCLIC CHEMISTRY.
SUPPLEMENT
1, 1976--
Academic Press
New York, New York

ADVANCES IN THE MANAGEMENT OF
CLINICAL HEART DISEASES
1, 1976--
Futura
Mount Kisco, New York

ADVANCES IN PAIN RESEARCH AND
THERAPY
1, 1976--
Raven Press
New York, New York

AESTHETIC PLASTIC SURGERY
1, 1976--
Springer Verlag
New York, New York

AMERICAN JOURNAL OF SPORTS MEDICINE
4, 1976--
Williams and Wilkins
Cont of Journal Sports Medicine
Baltimore, Maryland

ANNUAL PROGRESS IN PSYCHIATRIC DRUG
TREATMENT
1, 1976--
Brunner Mazel
New York, New York

ATOMINDEX
1, 1976--
International Atomic Energy Agency
Cont of Nuclear Science Abstracts
New York, New York

BANGLADESH MEDICAL RESEARCH COUNCIL
BULLETIN
1, 1975--
Bangladesh Medical Research Council
Dacca, Bangladesh

*BEHAVIOR CHANGE
1974--
Aldine Publishing
Cont of Psychotherapy and Behavior
Change
Chicago, Illinois

*BENCHMARK PAPERS IN SYSTEMATIC AND
EVOLUTIONARY BIOLOGY
1, 1975--
Dowden Hutchinson and Ross
Stroudsburg, Pennsylvania

*BIBLIOGRAPHIC GUIDE TO CONFERENCE
PUBLICATIONS
1975--
G K Hall and Company
Boston, Massachusetts

*BIBLIOGRAPHIC GUIDE TO PSYCHOLOGY
1975--
G K Hall
Boston, Massachusetts

BIBLIOGRAPHY ON HEALTH INDEXES

1, 1973--

Clearinghouse on Health Indexes
Issued by National Center for
Health Statistics, Division of
Analysis
Rockville, Maryland

BIOLOGICAL SEPARATIONS SERIES

1, 1975--

Plenum
New York, New York

BIOMATERIALS RESEARCH COMMUNICATIONS

1, 1976--

Pergamon Press
Oxford, England

BIOMEDICAL COMPUTER TECHNOLOGY

1, 1976--

Peter Peregrinus
Stevenage, England

*BREAST: DISEASES OF THE BREAST

1, 1975--

CPC Communications
Greenwich, Connecticut

*BULLETIN DE MEDICINE LEGALE URGENCE
MEDICALE CENTRE ANTI-POISONS

19, 1976--

Masson et Cie
Cont of Bulletin de Medicine legale
et de Toxicologie Medicale
Paris, France

CELL BIOLOGY MONOGRAPHS

1, 1975--

Springer Verlag
New York, New York

CHILD BEHAVIOR AND DEVELOPMENT

1, 1975--

Wiley Interscience
New York, New York

CLINICAL NEUROPHARMACOLOGY

1, 1976--

Raven Press
New York, New York

CLINICAL OTOLARYNGOLOGY

1, 1976--

Blackwell Scientific Publications
Oxford, England

COMPARATIVE ANIMAL NUTRITION

1, 1976--

Karger
Basel, Switzerland

CONTEMPORARY RESEARCH IN CHINESE
ACUPUNCTURE

1, 1975?--

Academy of Oriental Heritage
Blaine, Washington

NEW DEVELOPMENTS IN CHINESE ACUPUNCTURE

1, 1975--

Academy of Oriental Heritage
Supplement to Contemporary Research
in Chinese Acupuncture
Blaine, Washington

CURRENT ADVANCES IN GENETICS

1, 1976--

Pergamon Press
Oxford, England

CURRENT CONCEPTS IN EMERGENCY MEDICINE

1, 1976--

C V Mosby Co
St. Louis, Missouri

*CURRENT PERSPECTIVES IN PSYCHIATRIC
NURSING

1, 1976--

C V Mosby Co
St. Louis, Missouri

*CURRENT PRACTICE IN PEDIATRIC NURSING

1, 1976--

C V Mosby Co
St. Louis, Missouri

CURRENT TECHNIQUES IN SMALL ANIMAL
SURGERY

1, 1975--

Lea and Febiger
Philadelphia, Pennsylvania

DIRECTORY OF PRECEPTORSHIP PROGRAMS
IN THE HEALTH PROFESSIONS

1, 1975--

Manpower Distribution Project,
National Health Council
New York, New YorkDIRECTORY OF US GOVERNMENT
AUDIOVISUAL PERSONNEL

1974--

US National Audiovisual Center
Washington, DCDISASTERS: INTERNATIONAL JOURNAL
OF DISASTER STUDIES AND PRACTICE

1, 1976--

Pergamon Press
Oxford, England

DRUGS OF THE FUTURE

1, 1976--

Drugs of the Future
Barcelona, SpainENVIRONMENTAL AND EXPERIMENTAL
BOTANY

16, 1976--

Pergamon Press
Cont of Radiation Botany
Oxford, England

*ERDA RESEARCH ABSTRACTS

1, 1976--

Energy Research and Development
Administration
Springfield, Virginia

EUROPEAN JOURNAL OF CANCER.

SUPPLEMENT

1, 1976--

Pergamon Press
Elmsford, New YorkHEALTH ISSUES: JOURNAL OF TOTAL
HEALTH EDUCATION

1, 1976--

Baywood
Farmingdale, New York

HEALTH AND SOCIAL WORK

1, 1976--

National Association of Social
Workers
Washington, DC

INTERNATIONAL REVIEW OF PHYSIOLOGY

9, 1976--

University Park Press
Cont of Physiology
Baltimore, Maryland

JOURNAL OF ADVANCED NURSING

1, 1976--

Blackwell Scientific Publications
Oxford, England

JOURNAL OF LIVING, GROWING AND DYING

1, 1976--

Baywood Publishing Co
Farmingdale, New York

KAWASAKI MEDICAL JOURNAL

1, 1975--

Kawasaki Medical School
Kurashiki, Japan

LUNG BIOLOGY IN HEALTH AND DISEASE

1, 1976--

Marcel Dekker

MOLECULAR ASSOCIATION

1, 1975--

Academic Press
New York, New YorkMONOGRAPHS ON THEORETICAL AND
APPLIED GENETICS

1, 1976--

Springer Verlag
New York, New York

PEDIATRIC AND ADOLESCENT ENDOCRINOLOGY

1, 1976--

Karger
Basel, Switzerland

*PHARMATHERAPEUTICA

1, 1976--

Pharmatherapeutica
London, England

- PLASMA PROTEINS
1, 1975--
Academic Press
New York, New York
- PRINCIPLES OF APPLIED CLINICAL
CHEMISTRY. CHEMICAL BACKGROUND
AND MEDICAL APPLICATIONS
1, 1975--
Plenum
New York, New York
- *PROCEEDING OF THE ANNUAL GEORGIA
CONFERENCE ON AGING
1974--
Georgia Department of Human
Resources
Athens, Georgia
- RECENT ADVANCES IN OBESITY RESEARCH
1, 1975--
Newman Publishing Company
London, England
- RECENT ADVANCES IN PLASTIC SURGERY
1, 1976--
Longman Group
London, England
- RECENT ADVANCES IN RHEUMATOLOGY
1, 1976--
Longman Group
London, England
- RECENT ADVANCES IN UROLOGY
1, 1976--
Longman Group
London, England
- RIVISTA DI CLINICA TOSSICOLOGICA
1, 1971--
Societa Editrice Universo
Societa Italiana di
Tossicologia
Roma, Italy
- SERIES ON THANATOLOGY
1, 1976--
MSS Corp
New York, New York
- *SPECIAL REPORT - BRITISH INSTITUTE
OF RADIOLOGY
8, 1974--
British Institute of Radiology
Cont of British Journal of
Radiology; Special Report Series
London, England
- SPINE
1, 1976--
Harper and Row
New York, New York
- TRENDS IN BIOCHEMICAL SCIENCES
1, 1976--
Elsevier
Issued by the International
Union of Biochemistry
Amsterdam, Netherlands
- *USERDA TRANSLATION LIST
157, 1975--
U.S. Energy Research and Development
Administration
Cont of USAEC Translation List
Oak Ridge, Tennessee
- WEST AFRICAN JOURNAL OF SURGERY
1, 1976--
West African Journal of Surgery
Organisation
Lagos, Nigeria
- *ZENTRALBLATT FUR ARBEITSMEDIZIN
ARBEITSSCHUTZ UND PROPHYLAXE
26, 1976--
Verlag Fuer Medizin Dr Ewald Fischer
Formed by Merger of Zentralblatt
fur Arbeitsmedizin und Arbeitsschutz
and Prophylaxe
Heidelberg, West Germany

COMPUTER ACCESS TELEPHONE NUMBERS

The following is a list of Tymshare, TELENET, and direct-dial numbers which may be used to access the NLM and SUNY computers.

TYMSHARE CITY

PHOENIX	AZ 602-249-9261	C	THE HAGUE	HO 46-37-61	C
BRUSSELS	BE 640-0215	E	DES MOINES	IA 515-280-9600	C
CUPERTINO	CA 408-996-2200	E	CHICAGO	IL 312-346-4961	E
CUPERTINO	CA 408-996-1000	C	CHICAGO	IL 312-368-4607	C
EL SEGUNDO	CA 213-640-1570	C	FREEPORT 30 CPS	IL 315-232-2181	C
LOS ANGELES	CA 213-683-0451	E	FREEPORT 10 CPS	IL 315-232-2186	C
LOS ANGELES	CA 213-629-1561	C	WICHITA	KS 316-265-7781	C
MOUNTAIN VIEW	CA 415-965-8815	E	BATON ROUGE	LA 504-927-6400	C
NEWPORT BEACH	CA 714-540-9560	C	NEW ORLEANS	LA 504-586-1071	C
OAKLAND	CA 415-465-7000	E	BOSTON	MA 617-964-3900	C
OXNARD	CA 805-487-0482	C	BOSTON	MA 617-964-3925	E
PALO ALTO	CA 415-494-3900	C	CAMBRIDGE	MA 617-491-5476	E
PALO ALTO	CA 415-326-7015	E	ANNAPOLIS	MD 301-268-9290	C
RIVERSIDE	CA 714-825-9372	C	BALTIMORE	MD 301-547-8100	C
SACRAMENTO	CA 916-441-5450	E	ANN ARBOR	MI 313-995-2121	C
SAN DIEGO	CA 714-291-8700	C	DETROIT	MI 313-355-2950	C
SAN FRANCISCO	CA 415-391-9325	C	DETROIT	MI 313-963-3383	C
SAN JOSE	CA 408-984-5500	C	KALAMAZOO	MI 616-385-3150	C
SAN JOSE	CA 408-446-4850	C	MINN/ST PAUL	MN 612-854-6659	C
CALGARY 30 CPS	CN 403-263-0487	C	ST LOUIS	MO 314-421-5110	C
CALGARY 15 CPS	CN 403-263-2006	C	KANSAS CITY	MO 816-421-7444	C
CALGARY 10 CPS	CN 403-263-2072	C	RESEARCH TRI PK	NC 919-549-0441	C
EDMONTON	CN 403-452-7014	C	ENGLEWOOD CLIFFS	NJ 201-894-8250	C
TORONTO 30 CPS	CN 416-863-6202	C	UNION	NJ 201-964-6300	E
TORONTO 15 CPS	CN 416-863-6277	C	WAYNE	NJ 201-785-4777	E
TORONTO 10 CPS	CN 416-863-6252	C	ALBANY	NY 518-463-7452	C
VANCOUVER 30 CPS	CN 604-688-9811	C	BUFFALO	NY 716-856-1400	E
VANCOUVER 15 CPS	CN 604-688-4838	C	NEW YORK CITY	NY 212-750-9433	C
VANCOUVER 10 CPS	CN 604-688-4338	C	NEW YORK CITY	NY 212-551-9322	E
DENVER	CO 303-458-7921	E	NEW YORK CITY	NY 212-532-7615	E
DARIEN	CT 203-655-8931	C	NEW YORK CITY	NY 212-344-7445	E
HARTFORD	CT 203-568-2610	C	NEW YORK CITY	NY 212-750-9445	C
WASHINGTON DC	DC 703-521-6520	E	POCHESTER	NY 716-546-1410	C
WASHINGTON DC	DC 703-841-9560	C	SYRACUSE	NY 315-437-7111	E
MIAMI	FL 305-374-7115	C	AKRON 30 CPS	OH 216-376-1451	C
ST PETERSBURG	FL 813-536-7823	C	AKRON 30 CPS	OH 216-434-6195	C
TAMPA	FL 813-223-3787	C	AKRON 30 CPS	OH 216-434-6648	C
PARIS	FR 602-5500	C	AKRON 10 CPS	OH 216-434-1601	C
PARIS	FR 602-7030	E	AKRON 10 CPS	OH 216-434-6646	C
PARIS	FR 260-3435	E	AKRON 10 CPS	OH 216-434-6960	C
PARIS	FR TELEX 27308		CINCINNATI	OH 513-621-7469	C
LONDON	GB 01568-4455	C	CLEVELAND	OH 216-781-7950	C
ATLANTA	GA 404-659-6670	C	COLUMBUS	OH 614-421-7270	C
HONOLULU	HI 808-521-7481	C	OKLAHOMA CITY	OK 405-947-0561	C

PORTLAND OR 503-224-0750 C
 HARRISBURG PA 717-233-1047 C
 HARRISBURG PA 717-233-1648 C
 PHILADELPHIA PA 215-561-6120 C
 PITTSBURGH PA 412-765-1320 C
 VALLEY FORGE PA 215-660-9199 E
 LAUSANNE 10 CPS SW 21-25-4357
 LAUSANNE 30 CPS SW 21-25-6634
 AUSTIN TX 512-444-3280 C
 DALLAS TX 214-638-5800 E
 EL PASO TX 915-544-9590 C
 HOUSTON TX 713-785-4420 C
 HOUSTON TX 713-785-4411 C
 MIDLAND TX 915-683-5645 C
 SAN ANTONIO TX 512-734-7381 E
 SALT LAKE CITY UT 801-582-8972 C
 SEATTLE WA 206-622-7930 C
 MADISON WI 608-221-4211 C
 MILWAUKEE WI 414-257-3482 C

DIRECT DIAL

TTY-10 ZZ 301-496-1006
 TTY-10 ZZ 301-496-1007
 TTY-30 ZZ 301-654-7722
 TTY-30 ZZ 301-654-2687
 TTY-30 ZZ 301-654-2688
 2741 ZZ 301-654-2540

TELENET CITY

PHOENIX AZ 602-257-1000
 LOS ANGELES CA 213-621-1100
 LOS ANGELES CA 213-937-2500
 MARINA DEL REY CA 213-821-5000
 SAN CARLOS CA 415-595-9300
 SAN JOSE CA 408-279-8400
 SAN PEDRO CA 213-549-5150
 SANTA ANA CA 714-558-0700
 SAN DIEGO CA 714-231-1900
 SAN FRANCISCO CA 415-382-0200
 MONTREAL 30 CPS CN 514-878-9971
 MONTREAL 15 CPS CN 514-878-9977
 MONTREAL 10 CPS CN 514-878-9975
 OTTAWA 30 CPS CN 613-563-9639
 OTTAWA 15 CPS CN 613-563-9629
 OTTAWA 10 CPS CN 613-563-9625
 TORONTO 30 CPS CN 416-361-0011
 TORONTO 15 CPS CN 416-361-1515
 TORONTO 10 CPS CN 416-361-1720
 DENVER CO 303-623-0276
 WASHINGTON DC 202-347-1400
 MIAMI FL 305-374-6400
 ATLANTA GA 404-577-8911
 CHICAGO IL 312-372-4901
 INDIANAPOLIS IN 317-635-9630
 NEW ORLEANS LA 504-568-1840
 BOSTON MA 617-338-1400
 BALTIMORE MD 301-962-5010
 DETROIT MI 313-961-5115
 MINNEAPOLIS MN 612-339-0150
 KANSAS CITY MO 816-474-1600
 ST. LOUIS MO 314-231-8800
 NEWARK NJ 201-623-6818
 BUFFALO NY 716-847-0600
 NEW YORK NY 212-736-7205
 CINCINNATI OH 513-621-7017
 CLEVELAND OH 216-241-0940
 COLUMBUS OH 216-463-1400
 PORTLAND OR 503-243-2800
 PHILADELPHIA PA 215-574-0620
 PITTSBURGH PA 412-765-2681
 DALLAS TX 214-748-9127
 HOUSTON TX 713-224-3380
 SALT LAKE CITY UT 801-304-2644
 SEATTLE WA 206-624-9780
 MILWAUKEE WI 414-271-2560

MEDLINE TRAINEES AT NLM, MAY 17, 1976

The twenty-eighth NLM On-line Service (MEDLINE) Training Class was held May 17-21, 1976. The following people attended:

Olga Carman
Procter & Gamble
Cincinnati, Ohio

Janet Crager
College of Medicine & Dentistry
of New Jersey
Newark, New Jersey

Ruth Hanna
University of Maryland
Baltimore, Maryland

Madlynne Harris
University of Pittsburgh
Pittsburgh, Pennsylvania

Carol Miller
Framingham Union Hospital
Framingham, Massachusetts

Lester Miller
Edgewood Arsenal
Aberdeen Proving Ground, Maryland

Edith Rood
Information Clearing House, Inc.
New York, New York

Marion Suter
Council on Environmental Quality
Washington, D.C.

Ellen Tinkler
Medical University of South Carolina
Charleston, South Carolina

Deborah Woodward
James L. Borland Medical Library
Jacksonville Hospitals Educational
Program
Jacksonville, Florida

W. J. ...

ISSN 0090-1350



LIBRARY NETWORK / MEDLARS TECHNICAL BULLETIN

of the

Library Component of the Biomedical Communications Network

No. 86

June 1976

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
of the
Library Component of the Biomedical
Communications Network

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Grace H. McCarn
Head, MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, Maryland 20014
(301) 496-6193 TWX: 710-824-9616

ASSISTANT EDITOR

P.E. Pothier

TECHNICAL NOTES EDITOR

Leonard J. Bahlman

The LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
is issued monthly by the Office of the
Associate Director for Library Operations.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE at NLM and SDILINE at SUNY were updated with July 1976 citations on June 7. Medline at SUNY was updated on June 14. The sizes, Index Medicus date ranges, and entry date ranges are given below:

MEDLINE (Jan 74 - Jul 76)	- 607,586
(Entry Dates: 731130 to 760602)	
SDILINE (July 76)	- 25,173
(Entry Dates: 760510 to 760602)	

ON-LINE TECHNICAL NOTES

PLEASE QUERY THE NLM/ON-LINE NEWS FILES DAILY FOR SPECIAL NOTICES AND MESSAGES

Whenever applicable, in the margin beside each Technical Note, users will be referred to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that in many instances the item may also pertain to other sections of the Manual.

ADVANCED
MEDLINE
TRAINING,
SIXTH DAY-
TOXLINE

The NLM five-day Advanced MEDLINE Training Course is being expanded to include an optional sixth day of instruction on TOXLINE and CHEMLINE. The purpose of this expansion is to increase coordination of training for MEDLINE and TOXLINE users, and to prevent the unnecessary duplication of instruction as well as the added expense to centers of attending separate classes on those data bases. Attendance at the sixth day of the Advanced MEDLINE Course will fulfill the training requirement for becoming a TOXLINE Center. Once the center has fulfilled both training and administrative requirements for becoming a TOXLINE Center, access to the TOXLINE data bases will be permitted. See article on page 6 of this issue re single code access.

TYMSHARE
NUMBERS
(Manual II-9)

CHANGED NUMBERS:

- 1) The Detroit, Michigan, Tymshare number 313/522-6380 has been changed to 313/355-2950.
- 2) The Austin, Texas, Tymshare number 512/477-9084 has been changed to 512/444-3280

TELENET
NUMBERS
(Manual II)

NEW NUMBERS:

Marina del Ray, CA	213/822-9287
San Jose, CA	408/279-4850
San Pedro, CA	213/549-5150
Indianapolis, IN	317/635-9630
Kansas City, KS	816/474-1600
New Orleans, LA	504/568-1840
Buffalo, NY	716/847-0600
Columbus, OH	614/463-1400
Salt Lake City, UT	801/364-2644

NONSERIAL
LITERATURE,
MEDLINE/INDEX
MEDICUS
(Manual V)

The May 1976 issue of the Technical Bulletin (Page 3) announced the availability of nonserial literature in MEDLINE and Index Medicus. The references to the monographic materials in MEDLINE will provide access to the computer bibliographic record held in CATLINE. MEDLINE contains the name of the author or editor, specific title of the individual piece, volume, and NLM call number. No series titles or congress names are carried. For these elements, search CATLINE using the call number from the MEDLINE citation. The title or editor may also be used in CATLINE but the call number search is the most efficient search strategy. Each monograph which is indexed will have an "IN:" statement in the Journal Title Abbreviation (TA) field in the MEDLINE file. In Index Medicus, under each subject heading, monographs will file under IN: (title) rather than under the title itself. If you have a need to know which items for any time period were indexed from a single monographic source, use the checktag MONOGRAPH to pull all monographic items in conjunction with your dates on the (ED) field. After you receive this subset, stringsearch the (TA) field for the call number of the monograph desired.

PROGRAM MESSAGES,
NLM
(Manual II-24)

Occasionally, when the searcher is logged into the NLM computer system, he may receive one of the following messages:

- 1) ELHILL3 WILL BE RIGHT BACK
- 2) ELHILL3 IS ABNORMALLY TERMINATING - PLEASE DO NOT HANG UP

If either of these messages appears, all previous search strategy results are lost (except for off-line prints/OFFSEARCHES where the message OFF-LINE PRINT COMPLETED or OFFSEARCH COMPLETED was received), but the user is not disconnected from the system. The searcher should wait for the system to respond with "HELLO FROM ELHILL 3..." and then resume the search activity. Any user input from the time either of these ELHILL3 messages is received until the "HELLO.." message appears will elicit the message INPUT LINE DELETED. No response from the user is required for this message, and the user should simply wait for the "HELLO..." message.

SUBHEADINGS,
SEARCHING
MULTIPLE
(Manual IV-3)

If subheadings are searched in the format MAIN HEADING/
SUBHEADING only one subheading may be "slashed" with each
main heading. If you try to attach more than one subhead-
ing to a main heading, you will not receive an error
message, but the postings will reflect only the first sub-
heading. For example:

SS 1 /C?

USER:

ASPIRIN/AE/PO/TO

PROG:

SS (1) PSTG (324)

SS 2 /C?

USER:

ASPIRIN/AE

PROG:

SS (2) PSTG (324)

If you wish to search several subheadings without repeating
the main heading, use the "SUBS APPLY command.

TELENET,
SEARCH COUNT (@@)
(Manual II)

REMINDER: Users accessing the NLM and SUNY data bases via
TELENET must enter two at symbols (@@) and a carriage
return after a USER: cue to denote a completed search. If
only one at symbol is entered, the searcher will be taken
out of ELHILL and placed back in the TELENET network
command mode. If this happens, and you receive the message
TELENET followed by the @ symbol type in CONT followed by
a carriage return, and you will be returned to the point
at which you were searching.

TREE ALL
COMMAND,
INOPERABLE
(Manual III-45)

The "TREE ALL command which enables the user to display
multiple MeSH Tree Structure segments on-line for a
given term is currently inoperable. Users will be noti-
fied when this capability is reinstated.

ON-LINE SERVICES
REFERENCE MANUAL,
MARCH 1976 UPDATE
AND INDEX

One copy of the second update (March 1976) to the On-Line
Services Reference Manual was mailed to each MEDLINE and
TOXLINE center on June 4, 1976. The sections on CATLINE,
TOXLINE, and CHEMLINE have been rewritten. New sections
on AVLINE, CANCERPROJ and EPILEPSY are also included, and
the index has been updated. Additional copies may be
purchased from NTIS.

Accession Number: PB-253-417

Title: On-Line Services Reference Manual, Update-II
(March 1976)

Price: \$6.00 (\$2.25 microfiche)

National Technical Information Service
 U.S. Department of Commerce
 5285 Port Royal Road
 Springfield, Virginia 22161

There is also now a complete Manual at NTIS which includes both the latest update (March 1976) and the July 1975 update.

Accession Number: PB-253-557
 Title: On-Line Services Reference Manual (including Update I, July 1975 & Update II, March 1976)
 Price: \$10.75 (\$2.25 microfiche)

CHEMLINE UPDATE,
 MAY 1976- MeSH
 MAIN HEADINGS
 (MH) ADDED
 (Manual XIV)

CHEMLINE has been updated and now contains 87,366 records. Of these, 3,736 records contain MeSH Main Headings (MH) and Heading Fragments (HF). The MH field is both searchable (exact match of input character string) and printable; the HF field is searchable only (using same procedure as used with the Name Fragment Field).

OFFSEARCH
 PROCESSING,
 TOXBACK
 (Manual XIII)

TOXBACK OFFSEARCHES are now printed and mailed by NLM daily.

OFFSEARCH,
 STANDARD PRINT
 OPTIONS AND
 DISSIMILAR FILES
 (Manual XVI-3)

It is possible to use OFFSEARCH to retrieve citations from dissimilar files. In order to do so, you must use one of the standard PRINT options (STANDARD or SD, FULL or FU, or DETAILED or DL). Also, the first file name entered after a FILES? prompt cannot be the name of the file to which you are connected while you are in OFFSEARCH. For example, if you are connected to MEDLINE and you want retrieval from MEDLINE, CATLINE, and BACK72, you may specify either CATLINE or BACK72 first in response to the FILES? prompt, but you may not specify MEDLINE first. For example:

PROG:	[or]	PROG:
FILES?		FILES?
USER:		USER:
BACK72, MEDLINE, CATLINE		CATLINE, MEDLINE, BACK72
PROG:		PROG:
PRINTSPECS?		PRINTSPECS?
USER:		USER:
FULL		SD

STORESEARCH, AUTOMATIC SDI SERVICE, AND SINGLE CODE ACCESS
Joseph Leiter, Ph.D., Henry M. Kissman, Ph.D., Davis B. McCarn
National Library of Medicine

Effective July 1, 1976, three changes will take place which will be of major importance to users of the National Library of Medicine's on-line services. These are:

- I. STORESEARCH - Centers may now store searches on the NLM or SUNY computer for later execution as desired. Once a search has been stored it cannot be called up and executed on-line, but can be executed via OFFSEARCH at any time or through the Automatic SDI Service (see below item II.).
- II. AUTOMATIC SDI SERVICE - Centers may now store searches on the NLM computer to be processed automatically against the current month's SDILINE or TOXLINE citations. Automatic SDI processing will begin with the September 1976 update to SDILINE and TOXLINE. In order to take advantage of this service, users must complete and return one Automatic SDI Request form for each ID code under which searches will be stored. (See form on page 14 and the extras included with this issue.)
- III. SINGLE CODE ACCESS - Where a presently subscribing user institution has both a MEDLINE and a TOXLINE access code, the NLM will provide to that institution on a voluntary basis a single code with access to both services. Furthermore, in the future the NLM will provide single access codes for users requesting access to more than one of the Library's bibliographic services where appropriate agreements have been executed, training has been arranged, and such is mutually acceptable. Thus, centers which have both MEDLINE and TOXLINE codes may now request that either ID code have access to both the MEDLINE and TOXLINE files, and that one of their existing codes be deactivated so as to avoid the monthly minimum charge for the additional code(s). Also, centers which have access to only MEDLINE or only TOXLINE may request the necessary information from NLM to become a user of the data bases to which it does not currently have authorized access, thus avoiding the monthly minimum charge associated with obtaining the second ID code. Centers wishing to consider combining/deleting codes should decide on their course of action before storing searches under a code they may wish to drop. THIS IS AN IMPORTANT CONSIDERATION SINCE THE SYSTEM APPENDS THE LOGON CODE TO EACH SEARCH STORED. EVEN THOUGH THE SEARCHER IS NOT TO ENTER HIS ID CODE WHEN CALLING UP THE SEARCH, THE SYSTEM DOES HOWEVER CHECK FOR THE SEARCH NAME AND THE CODE UNDER WHICH THE SEARCH WAS STORED. One Code Change Form must be completed and returned if a center desires to have the status of a code(s) changed. (See form on page 15 and the extras included with this issue.)

Following are instructions, rules, and restrictions on the use of these new capabilities which cover the following topics:

- A. STORING A SEARCH FOR FUTURE USE VIA OFFSEARCH
- B. EXECUTING A STORESEARCH VIA OFFSEARCH

- C. STORING A SEARCH FOR MONTHLY EXECUTION BY NLM (SDI)
- D. STORESEARCH RULES AND RESTRICTIONS
- E. MODIFYING AND DELETING STORED SEARCHES
- F. STORESEARCH CHARGES

These instructions supersede Chapter XVI of the On-Line Services Reference Manual and prior letters or other communications re stored searches. A sample Automatic SDI Request Form and a Code Change Form are included at the end of this article, and extra copies are included with this issue. After you have had ample time to use and evaluate the STORESEARCH and the Automatic SDI capability, we would appreciate receiving any comments you may have about them. Should any problems arise with the use of STORESEARCH, please contact MEDLARS Management Section (301/496-6193 or 800/638-8480).

A. STORING A SEARCH FOR FUTURE USE VIA OFFSEARCH

<u>STEP NUMBER</u>	<u>SYSTEM PROMPT</u>	<u>USER RESPONSE</u>
1. Login to system where you would like the search to be stored (NLM or SUNY). MEDLINE users should then request "FILE SDILINE to avoid unnecessary time overflow messages. TOXLINE users should request "FILE TOXLINE.		
2. Enter STORESEARCH mode.	SS 1 /C? USER:	"STORESEARCH
3. Enter name of search being stored (30 character limit including spaces. Alphanumeric characters only, no punctuation or special characters).	PROG: SEARCHNAME USER:	RAT CONTROL
4. Specify output (User should specify PSTG during input of the STORESEARCH to check accuracy. When executing through OFFSEARCH, NPS must be specified.	PROG: ON-LINE OUTPUT:-- NPS/PSTG/NONE USER:	PSTG
5. Enter the search to be stored.	PROG: ENTER SEARCH-- *STS* SS 1 /C? USER:	ALL WARFARIN
	PROG: SS (1) PSTG ()	

<u>STEP NUMBER</u>	<u>SYSTEM PROMPT</u>	<u>USER RESPONSE</u>
	STS SS 2 /C? USER:	ALL RAT OR ALL RATS
	PROG: SS (2) PSTG ()	
	STS SS 3 /C? USER:	1 AND 2
	(Only the final search statement of the STORESEARCH will be stored)	
	PROG: SS (3) PSTG ()	
6.	Analyst should check retrieval.	
	STS SS 4 /C? USER:	"PRT 4
7.	Indicate completion of search.	
	STS SS 4 /C? USER:	"FINISHED
8.	Notify computer if search is ok.	
	PROG: OK? Y/N/C?	
	Y=Yes, store the search and leave STORESEARCH mode. N=No, erase search and return to *STS* SS 1 /C? C=Cancel, leave STORESEARCH mode ("STORESEARCH CANCEL in response to a USER: cue will take user out of STORESEARCH mode at any time.)	Y

B. EXECUTING A STORESEARCH VIA OFFSEARCH

1. Login to system where search was stored (NLM or SUNY).
2. After any USER: cue, execute an "OFFSEARCH command.
3. Respond to all system prompts as appropriate, except for the ON-LINE OUTPUT: prompt where the response must be NPS.
4. When the system prompts with ENTER SEARCH, enter the STORESEARCH name followed by the qualifier (SN). For example:

```
*STS* SS 1 /C?
USER:
```

```
RAT CONTROL (SN)
```

(If the search is to be run automatically, you must use the naming conventions described below.)

5. If no other data elements are being ANDED to the STORESEARCH, enter "FINISHED after the next *STS* SS x /C? USER: prompt.
6. In response to the SSNOS-OVRIDES? prompt, enter the search statement number(s) which is to be printed, e.g., 1.
7. Respond to remaining system prompts as appropriate.

C. STORING A SEARCH FOR MONTHLY EXECUTION BY NLM

1. Login to the NLM computer system. (Searches stored at SUNY will not be processed automatically).

MEDLINE users should then request "FILE SDILINE to avoid unnecessary time overflow messages. TOXLINE users should be in "FILE TOXLINE.

2. Except for Step No. 3 (naming a search) in item A above, all conventions for storing a search for execution in OFFSEARCH apply to storing searches for automatic processing by NLM. When naming a search to be processed by NLM, the search names must begin with one of the following numbers, depending on the print option selected.

SDILINE

Numbers S001
through
S200

PRINT STANDARD

Numbers S201
through
S400

PRINT FULL

Numbers S401
through
S600

SDILINE:
PRINT AU, TI, SO, TT, LA, MH, AB, RP
TOXLINE: PRINT DETAILED

TOXLINE

Numbers T001
through
T200

Numbers T201
through
T400

Numbers T401
through
T600

The names of the searches which are to be processed automatically by NLM, in addition to beginning with one of the above alphanumeric character strings, may have additional characters appended. This makes the title of the search output more meaningful to the requester (e.g. S001 RAT CONTROL). The following restrictions apply when appending names to the alphanumeric character string:

- a. The alphanumeric character string must be followed by one space.
- b. The character string being appended cannot exceed 25 characters, including spaces.
- c. Only alphanumeric characters may be used in names being appended. Special characters and punctuation may not be used (see below item D-3).

3. In general, the following procedures will be followed in using Automatic SDI STORESEARCH capability:

Center:

- A. User stores searches and names them with "S" or "T" numbers as outlined above for various print formats. Each center is limited to 600 stored searches total but is further limited to 200 of each print option per ID code. If a center uses one code for both MEDLINE and TOXLINE, it is allowed a total of 600 STORESEARCHES.
- B. After testing at least one month in OFFSEARCH mode, user completes Automatic SDI Request Forms (see sample attached) and mails to MEDLARS Management Section. This form can be returned to MMS as soon as the center decides to use the automatic SDI service as long as at least five searches are stored and tested.

National Library of Medicine:

- A. After a form is submitted, all searches beginning with "S" or "T" followed by a three digit number between 001 and 600 (and followed by a space and a name, if used) will be run in batch each month against the current SDILINE or TOXLINE and all off-line prints will be mailed to your center in a timely manner. It is essential that your center keep records identifying each stored search so that it will be known what the output represents and to whom it should go. The stored search printout will contain the name as its title, e.g. S059 RAT CONTROL, and the name and address of the center storing the search as specified on the Automatic SDI Request Form. The output will not contain the requester's name unless it is included in the search name.

D. STORESEARCH RULES AND RESTRICTIONS

General:

1. Only one search can be stored under any search name. If more than one person at a center is storing searches, it is imperative that search names be coordinated so as to avoid duplication. The system does allow multiple searches to be stored under a single name if they are input on the same day, but if this happens the searches subsequently cannot be executed or purged; thus the center would pay \$2.00 per month for non-useful stored searches.
2. STORESEARCH names cannot be purely numeric, e.g. 47658.
3. Punctuation marks and terms used in the boolean logic should never be used in stored search names. These include: and, or, not, less than symbol, greater than symbol, left and right parentheses, plus sign, dollar sign, semi-colon, dash, hyphen, comma, percent, apostrophe, equal, pound sign, colon, backward slash, star, period, ampersand, etc. In other words, use only A-Z, single blank, and 0-9.

4. In order to execute (via OFFSEARCH) or "DIAGRAM a STORESEARCH, the user must be logged in under the ID code under which the search was stored.
5. The user must wait until the day after a search was stored to use or "DIAGRAM the search. It takes at least one night for a search to be completely stored by the computer. UNDER NO CIRCUMSTANCES SHOULD A USER ATTEMPT TO STORE THE SAME SEARCH TWICE ON THE SAME DAY, AS TWO SEARCHES WITH IDENTICAL NAMES CANNOT BE STORED.
6. STORESEARCHES, which result in '0' retrieval whether run in OFFSEARCH or automatically by NLM, will produce a cover page which will indicate '0' retrieval.
7. If a STORESEARCH is run via OFFSEARCH and results in '0' retrieval, the user should check his search strategy (e.g. number of terms being searched, etc.) to be sure his search is logically and technically sound, if he is reasonably sure that positive retrieval should have resulted.
8. STORESEARCHES processed through OFFSEARCH or batch are limited to 380 terms per search, and 1800 generated terms per search statement. The on-line limits are 380 terms and 450 generated terms.
9. The following commands may not be used in STORESEARCH:

"ELEMENTS	"RESTACK	"PRINT OFF-LINE
-----------	----------	-----------------
10. When "DIAGRAMING a STORESEARCH, the search name must be entered without the qualifier (SN) (e.g. "DIAGRAM RAT CONTROL).
11. The system will append the user's ID code to each STORESEARCH automatically so that the search title is unique to each code. The user should never enter his ID code with a STORESEARCH name.
12. The truncation symbol (:) cannot be used in a "PURGESEARCH command (e.g. "PURGESEARCH RAT:).

When running searches via OFFSEARCH:

13. A STORESEARCH to be run by the center via OFFSEARCH can only be executed on the system on which it was stored (i.e. NLM or SUNY).
14. There is no limit to the number of searches that may be stored to be run via OFFSEARCH.

For searches run by NLM monthly:

15. STORESEARCHES to be processed automatically by NLM must be stored on the NLM computer system with an appropriate search name (see item II.)
16. For STORESEARCHES to be processed automatically by NLM; each ID code is restricted to 200 STORESEARCHES in each of the print formats; a total of 600 STORESEARCHES per ID code.
17. Only the final Search Statement Number will be stored.

18. Searches stored for processing automatically by NLM can be run in the OFFSEARCH mode if the user responds with NPS to the On-LINE OUTPUT prompt.
19. Verify the existence of a stored search by diagramming (e.g. "DIAGRAM S101 RAT CONTROL. A search that is being stored for processing by NLM should be tested by the user in the OFFSEARCH mode the day after it was formulated at the terminal. The NPS option should be used when testing.
20. If a center is taking advantage of the Automatic SDI capability, an initial batch of at least five searches must be stored beginning with an "S" or a "T" name prior to submitting the Automatic SDI Request Form to NLM. Once these five searches have been tested and stored, users may store searches at will to be processed by NLM.

E. MODIFYING AND DELETING STORESEARCHES

1. To delete a STORESEARCH:

- A. Login to system where search was stored (NLM or SUNY).
- B. After a USER: cue, execute a "PURGESEARCH command with the appropriate search name excluding the qualifier (SN). For example:

```
SS 1 /C?
USER:
```

```
"PURGESEARCH RAT CONTROL
```

Note: The truncation symbol (:) cannot be used in the "PURGESEARCH command (e.g. "PURGESEARCH RAT:)

```
PROG:
OK? (Y/N/C)
```

```
USER:
Y
```

```
PROG:
PURGESEARCH COMPLETED.
```

2. To modify a STORESEARCH:

- A. Delete old STORESEARCH using the "PURGESEARCH command (see above).
- B. If the previous search name is to be re-used, you must wait a day before re-entering search. If the user selects a new search name, the modified search may be re-entered immediately.

F. STORESEARCH CHARGES

Each stored search is \$1.00 per month plus the usual charge for OFFSEARCHES and pages. Note: The OFFSEARCH charge does not apply for automatic processing of stored searches. Thus, using the automatic processing saves you \$1.00 per month per search.

AUTOMATIC SDI REQUEST FORM

Page 13

Please return to:
MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, Maryland 20014

USER LOGIN ID CODE (e.g. XYZ01): _____

MAILING ADDRESS (Maximum: 47 characters per line, including spaces)

CENTER NAME: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

(Country, if non-USA)

1. Check One: STORESEARCHES input under this code to be run by NLM automatically each month are to be run against the following file: (Note: The user ID specified above must have on-line access to the specified file.)

_____ SDILINE

_____ TOXLINE

2. NAMING CONVENTIONS - The names of all searches to be processed by NLM must begin with one of the following alphanumeric character strings.

SDILINE

*TOXLINE

S001
through
S200

PRINT STANDARD

T001
through
T200

S201
through
S400

PRINT FULL

T201
through
S400

S401
through
S600

SDILINE:
PRINT AU, TI, SO, TT, LA, MH, AB, RP

TOXLINE: PRINT DETAILED

T401
through
T600

3. One form must be submitted for each code under which searches will be stored for execution by NLM. Once a form is submitted, all searches stored and named beginning with one of the above numbers will be automatically executed by NLM each month.
4. It is the responsibility of each center to submit a revised Automatic SDI Request Form if there is a change in the address where all SDIs for the center are to be sent.
5. One of these forms must be submitted for each file against which automatic SDIs will be processed. That is, if the code XYZ01 will be storing "S" searches and "T" searches, two forms must be submitted.

*TOXLINE STORESEARCHES which are run automatically by NLM will be processed only against the current month's update of the TOXLINE file.

July 1976

CODE CHANGE FORM

Please return to:
MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, Maryland 20014

I. We currently have the following MEDLINE and TOXLINE codes:

MEDLINE ID Codes:

TOXLINE ID Codes:

Since in the future a single code will provide access to all files, we request that NLM take the following action:

Delete the following
Code(s):

Provide both MEDLINE and
TOXLINE access to the
following code(s):

- II. We currently have access to only the MEDLINE data bases with the ID code(s) _____, and would like to have access to the TOXLINE data bases with this code(s). Please send the necessary documents to be completed to the address below.
- III. We currently have access to only the TOXLINE data bases with the ID code(s) _____, and would like to have access to the MEDLINE data bases with this code(s). Please send the necessary documents to be completed to the address below. (NLM will route these requests for MEDLINE access through the Regional Medical Library for processing).

Signature

Institution

Name (typed)

Street Address

Title

City State Zip

Date

Phone

CHEMLINE NAME SEARCHES

Melvin L. Spann, Toxicology Information Program, NLM

In a search of CHEMLINE for names commonly found in the drug literature (generic names, trivial names, trade names, and experimental drug names), three fields are primarily involved. These are:

N1 - Chemical Abstracts Service Preferred Name
NF - Name Fragments
SY - Other Chemical Names and Synonyms

As stated in the CHEMLINE Manual, a search involving the use of the (SY) or (N1) qualifiers requires an exact match of the input character string (including blanks and other special characters) with names on file in order to retrieve postings. Accordingly, no Boolean logic is used to connect multiple terms in a substance name. However, the (NF) field contains all meaningful parts of a chemical name or synonym, and the Boolean connector AND must be used to coordinate multiple terms. The following searches for d,l-Amphetamine should illustrate this condition.

```
SS 1 /C?  
USER:  
(SY) D,L-AMPHETAMINE  
  
PROG:  
SS (1) PSTG (1)  
  
SS 2 /C?  
USER:  
(N1) D,L-AMPHETAMINE  
  
PROG:  
NP (D,L-AMPHETAMINE (N1))  
  
SS 2 /C?  
USER:  
(NF) D,L AND AMPHETAMINE  
  
PROG:  
SS (2) PSTG (2)
```

Thus, d,l-Amphetamine can be found in CHEMLINE as a synonym, but not as an N1 name. In addition, coordinating d,l and Amphetamine retrieves two records containing at least the two terms specified (d,l-Amphetamine and d,l-Amphetamine Hydrochloride).

When a chemical or common name is input without field identifiers, a default search is performed by the system involving the three name fields previously discussed as well as the MeSH terms expressed as Main Headings (MH) and Main Heading Fragments (HF) (for those 3,736 records containing MeSH terms.) This type of search results, in many cases, in the generation of Multi-Meaning (MM) messages, indicating that the name used for input exists in more than one field. When such a message is received, the searcher should exercise care in properly responding to the system's prompt. The following is an example of an unqualified

name search which exemplifies the MM message:

```
SS 3 /C?
USER:
CHLORMADINONE

PROG:
MM (CHLORMADINONE) (4)
    1 CHLORMADINONE (MH)
    2 CHLORMADINONE (NF)
    3 CHLORMADINONE (SY)
    4 CHLORMADINONE (HF)
SPECIFY NUMBERS, ALL, OR, NONE-
```

If "1" or "4" is keyed as the response, a record containing a Chlormadinone derivative and a record containing Chlormadinone as part of a mixture will be retrieved. "2" will retrieve eight records having Chlormadinone as a full or partial name (base, salts, derivatives and mixtures). Selection of "3" will retrieve the single record for the base. Of course, ALL is equivalent to ORing the four previous responses.

Whenever ALL or the numbers for Name Fragments, Main Headings or Heading Fragments are selected following a Multi-Meaning message, the relevancy of the compounds retrieved should be checked through one of the print options available. This check procedure should especially be followed whenever a name is searched without qualifiers, and postings are indicated without a Multi-Meaning message. In this case, any one of the five name fields could have been responsible for the postings, and the retrieved record(s) may not be for the desired compound.

Finally, use of the "NEIGHBOR (NBR) command can be quite helpful in a search for common names. The following search illustrates this point:

```
SS 1 /C?
USER:
HYDROCODEINE TARTRATE

PROG:
NP (HYDROCODEINE TARTRATE)
```

```
SS 1 /C?
USER:
"NBR HYDROCODEINE TARTRATE
```

```
PROG:

POSTINGS      TERM
    1      HYDROCODEINE BITARTRATE (SY)
    1      HYDROCODEINE HYDROGEN TARTRATE (SY)
    1      HYDROCODIN (NF)
    1      HYDROCODIN (SY)
    3      HYDROCODONE (NF)
```


UP N OR DOWN N?

USER:

"FIND HYDROCODEINE BITARTRATE

PROG:

SS (1) PSTG (1)

As can be seen in the above listing, a search of CHEMLINE for Hydrocodeine Tartrate results in No Postings. However, NEIGHBORing the name shows that this salt of Hydrocodeine is recorded as a Bitartrate or Hydrogen Tartrate. (Both names retrieve the same record.) Of course, HYDROCODEINE AND TARTRATE searched as Name Fragments would also retrieve the record of interest. This approach to the search follows:

SS 2 /C?

USER:

(NF) HYDROCODEINE AND TARTRATE

PROG:

SS (2) PSTG (1)

SS 3 /C?

USER:

"PRT FULL

PROG:

1

RN - 5965-13-9

MF - C18-H23-N-03.C4-H6-06

N1 - Morphinan-6alpha-01, 4,5alpha-epoxy-3-methoxy-17-methyl-,
tartrate (1:1) (salt) (8CI)

N1 - Morphinan-6-ol, 4,5-epoxy-3-methoxy-17-methyl-,
(5alpha,6alpha)-, (R-(R*,R*)))-2,3-dihydroxybutanedioate
(1:1) (salt) (9CI)

SY - Codeine, dihydro-, tartrate (1:1)

SY - DF 118

SY - Dihydrocodeine bitartrate

SY - Hydrocodeine bitartrate

SY - Hydrocodeine hydrogen tartrate

SY - Dihydrocodeine acid tartrate

SY - Paracodeine bitartrate

LO - TOXLINE

NEW SERIALS ANNOUNCEMENT - MAY 1976
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records and Binding Section during the month of May. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM.

AMERICAN JOURNAL OF HEALTH PLANNING
1, 1976--
American Association for Comprehensive Health Planning
Alexandria, VA

*ANALES DE MEDICINA
62, 1976--
Academia de Ciencias Medicas de Cataluna et Baleraes
Cont of Anales de Medicina
Barcelona, Spain

*ANNUAL REVIEW OF PHARMACOLOGY AND TOXICOLOGY
16, 1976--
Annual Reviews
Cont of Annual Review of Pharmacology
Palo Alto, CA

ARN JOURNAL
1, 1976--
Association of Rehabilitation Nurses
Glenview, IL

BIOMEDICAL ENGINEERING AND INSTRUMENTATION
2, 1976--
Marcel Dekker
Cont of Biomedical Engineering Series
New York, NY

*BULLETIN ET MEMOIRES DE L'ACADEMIE ROYALE DE MEDECINE DE BELGIQUE
130, 1975--
Academie Royale de Medecine de Belgique
Formed by the merger of Bulletin de L'Academie Royale de Medecine de Belgique and Memoires de L'Academie Royale de Medecine de Belgique
Brussels, Belgium

*CANADIAN JOURNAL OF RADIOGRAPHY RADIOTHERAPY NUCLEAR MEDICINE
5N5, 1974--
Canadian Society of Radiological Technicians
Cont of Canadian Journal of Radiography radiotherapy, nucleography
Ottawa, Ontario

*CELL STRUCTURE AND FUNCTION
1, 1975--
Japan Society for Cell Biology
Okayama, Japan

CONTRIBUTIONS TO OBSTETRICS AND GYNAECOLOGY
1, 1976--
Karger
Supersedes Fortschritte der Gebuburtshilfe und Gynaekologie
Basel, Switzerland

DEVELOPMENTAL NEUROBIOLOGY
1, 1976--
Brain Information Service
Los Angeles, CA

- *DRUG THERAPY-HOSPITAL EDITION
1, 1976--
Biomedical Information Corporation
New York, NY
- *ECOLOGICAL ENTOMOLOGY
1, 1976--
Royal Entomological Society
of London
Supersedes Transactions; Royal
Entomological Society of London
London, England
- *FOLIA ANATOMICA
1, 1972--
Universiteta u Sarajevu.
Anatomsk Institut
Medicinskog Fakulteta
Zagreb, Yugoslavia
- FUNDAMENTALS OF OBSTETRICS AND
GYNECOLOGY
1, 1976--
Faber and Faber
London, England
- *GROUP STUDIES JOURNAL
1, 1973--
Trinity College. Psychiatric
Institute Foundation
Washington, DC
- GUIDE TO OCCUPATIONAL SAFETY
LITERATURE
1, 1975--
National Safety Council
Chicago, IL
- *IATRIKE - CHEIROURGIKE KUPROS
1, 1976--
Pancyprian Medical Association
Nicosia, Cyprus
- JOURNAL OF HAND SURGERY
1, 1976--
C V Mosby
St. Louis, MO
- JOURNAL OF HEALTH POLITICS,
POLICY AND LAW
1, 1976--
Duke University Press
Durham, NC
- *JOURNAL OF THE HOSPITAL FOR SPECIAL
SURGERY
1, 1975--
Hospital for Special Surgery
New York, NY
- JOURNAL OF INTELLIGENCE AND MENTAL
RETARDATION
1, 1976--
Pergamon Press
Oxford, England
- *JOURNAL OF INTER-AMERICAN MEDICINE
1, 1976--
American Hospital of Miami
Miami, FL
- *KANSER
1, 1969--
Turkish Association for Cancer
Research and Control
Ankara, Turkey
- KEEPING ABREAST JOURNAL
1, 1975--
Denver, CO
- LACTATION REVIEW
1, 1976--
Human Lactation Center
Westport, CT
- *LYMPHOCYTE LITERATURE INDEX
1, 1975--
Exerpta Medica
Called Section 62
Amsterdam, Netherlands
- *MEDICAL LABORATORY SCIENCES
33, 1976--
Academic Press
Cont of Medical Laboratory
Technology
London, England
- METABOLIC OPHTHALMOLOGY
1, 1976--
Pergamon Press
Oxford, England

NURSING AUDIO JOURNAL
1, 1976--
Trainex Corporation
Garden Grove, CA

PHYSIOLOGICAL ENTOMOLOGY
1, 1976--
Blackwell Scientific Publishers
Supersedes Journal of
Entomology: Series A
Oxford, Great Britain

RECEPTORS AND RECOGNITION, SERIES A
1, 1976--
John Wiley and Sons
New York, NY

RECEPTORS AND RECOGNITION, SERIES B
1, 1976--
John Wiley and Sons
New York, NY

SCIENCE AND PRACTICE OF CLINICAL
MEDICINE
1, 1976--
Grune and Stratton
New York, NY

RESEARCH COMMUNICATIONS IN PSYCHOLOGY
PSYCHIATRY AND BEHAVIOR
1, 1976--
PJD Publications
Westbury, NY

REVISTA ENFERMAGEM EM NOVAS DIMENSOES
1, 1975--
Sao Paulo, Brazil

RIVISTA DI SCIENZA E TECNOLOGIA DEGLI
ALIMENTI E NUTRIZIONE UMANA
1, 1975--
Istituto Nazionale Della Nutrizione
Supersedes (?) Quanderni Della
Nutrizione
Rome, Italy

SCIENTIFIC BASIS OF CLINICAL ANESTHESIA
1, 1976--
Grune and Stratton
New York, NY



LIBRARY NETWORK / MEDLARS TECHNICAL BULLETIN

of the

Library Component of the Biomedical Communications Network

No. 87

July 1976

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LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
of the
Library Component of the Biomedical
Communications Network

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The LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
is issued monthly by the Office of the
Associate Director for Library Operations.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE at NLM and SUNY were updated with August 1976 citations on July 12. The sizes, Index Medicus date ranges, and entry dates are given below:

MEDLINE	(Jan 74 - Aug 76)	- 631,031
	(Entry Dates: 731130 to 760706)	
SDILINE	(Aug 76)	- 23,445
	(Entry Date: 760706)	

ON-LINE TECHNICAL NOTES

PLEASE QUERY THE NLM/ON-LINE NEWS FILES DAILY FOR SPECIAL NOTICES AND MESSAGES

Whenever applicable, in the margin beside each Technical Note, users will be referred to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that in many instances the item may also pertain to other sections of the Manual.

CANCERLINE,
UPDATING
(Manual XV)

The CANCERLINE data base is now being updated on a regular monthly basis, usually during the third weekend of the month. Information regarding currency and the number of records in the file may be obtained from the NLM on-line News File, FILES. Approximately 97% of the citations in this file now include abstracts.

TELENET,
(Manual II)

In the May 1976 issue of the Technical Bulletin (page 12), the area code for the TELENET number in Columbus, Ohio was listed as 216. The area code and TELENET number in Columbus, Ohio is 614/463-1400.

The June 1976 issue of the Technical Bulletin (page 3) lists a TELENET number for Kansas City, Kansas. The number is correct (816/474-1600) but is located in Kansas City, Missouri.

NEW NUMBERS:

Hartford, CT	203/522-0344
New Haven, CT	203/789-0211

Albany, NY	518/445-9111
Rochester, NY	716/454-3430
White Plains, NY	914/682-8777

DELETED NUMBERS:

Los Angeles, CA	213/937-3580
-----------------	--------------

**HEDGES,
OFFLINE ONLY
(Manual XVI)**

In the January 1976 issue of the Technical Bulletin (Page 9) the availability of "Hedges" (stored search fragments on selected subjects) was announced. In the future, these hedges can only be executed off-line. That is:

1. They may be called up in the OFFSEARCH mode if the user has responded with NPS to the ON-LINE OUTPUT prompt.
2. They may be included in STORESEARCHES and executed via OFFSEARCH with the NPS option applied.
3. They may be included in STORESEARCHES which are to be processed as Automatic SDIs by NLM each month.

**STORESEARCH/HEDGE
EXECUTION VIA
OFFSEARCH
(Manual XVI)**

If a user attempts to execute a STORESEARCH (or HEDGE) via OFFSEARCH and he has not specified NPS in response to the ON-LINE OUTPUT prompt, he will be instructed by the computer that the search cannot be performed unless the NPS option is elected. When this happens he must enter either an "OFFSEARCH or an "OFFSEARCH CANCEL command and start again, specifying NPS in response to the ON-LINE OUTPUT prompt.

**BACKFILE CITATION
COUNTS, MESH
VOCABULARY FILE
(Manual XII)**

REMINDER: The MeSH VOCABULARY FILE, "FILE MESH, includes the number of postings in each of the BACKFILES for each MeSH heading. The postings are broken down into two categories: total and IM only (*). Following is one "PRT FULL record from the MeSH VOCABULARY FILE which illustrates this feature.

MH - ASTHMA
 DT - 1
 MC - C8.127.108
 MC - C8.674.212
 MC - C20.543.480.680.212
 DC - 1
 B6 - 1908 BACK66 cits. under ASTHMA (Total)
 B6 - *1500 BACK66 cits. under ASTHMA (IM (*) only)
 B9 - 3001 BACK69 cits. under ASTHMA (Total)
 B9 - *2084 BACK69 cits. under ASTHMA (IM (*) only)
 B2 - 2016 BACK72 cits. under ASTHMA (Total)
 B2 - *1286 BACK72 cits. under ASTHMA (IM (*) only)

ENTRY DATE
 SEARCHING,
 NEW FORMAT
 (Manual V-3)

Beginning with the input into MEDLINE of citations for the August 1976 Index Medicus two new features have been implemented:

1. All the citations for a given month have the same 6-digit entry date which may be searched directly rather than ranged.
2. A 4-digit tag representing the year and month of the issue of Index Medicus in which the citation appears has been added to each citation. This tag is searchable.

Thus, if after the September 1976 citations have been input into the SDILINE and MEDLINE file, the user wishes to search on only those citations from the August 1976 update, he could use either of the following strategies in MEDLINE:

SS 1 /C?		SS 1 /C?
USER:	[or]	USER:
BRAIN AND 7608		BRAIN AND 760706

The July update contained the update tag 7607, but the citations were not all added on the same day. For July, therefore, one has the option of using the update tag or ranging:

SS 1 /C?		SS 1 /C?
USER:	[or]	USER:
BRAIN AND 7607		BRAIN AND FROM 760510 TO 760602

If the user wishes to search on a given input month's citations prior to July 1976 (e.g., June 1976) he would have to use the ranging capability:

SS 1 /C?
 USER:
 BRAIN AND FROM 760406 TO 760430

NLM ON-LINE SERVICES PROGRAM POLICY

Davis B. McCarn

Associate Director

Office of Computer and Communications Systems, NLM

In June 1975 the Board of Regents of the National Library of Medicine appointed a Subcommittee to review the computer and communication activities of the NLM. The Subcommittee was made up of the following:

Chairman: Brig. General Ernest J. Clark, USAF, MC
Members: Colonel Mims C. Aultman, USA, MC
Mr. Alfred R. Zipf, Exec. V.P. (Ret.)
Bank of America
Mr. Benjamin Erdman, Deputy Director, LHC, NLM
Mr. Davis B. McCarn, Assoc. Director, OCCS, NLM

As a part of its activities, the Subcommittee reviewed the on-line services Policy Statement previously approved by the Board in November 1971 and developed a revised policy statement. This new policy statement was approved by the Board of Regents at its meeting on June 9-10, 1976. A copy of the new policy follows for your information.

NATIONAL LIBRARY OF MEDICINE ON-LINE SERVICES PROGRAM POLICY STATEMENT

INTRODUCTION

The National Library of Medicine is committed to the development of a Biomedical Communications Network (BCN) to serve health services delivery, education and research.

The Regional Medical Library Program (RMLP) is one part of the development of the library component of the BCN. Another part now assuming an increasingly important role in the development of the BCN is a variety of on-line services. These services have greatly increased the accessibility of the biomedical literature and specialized information and will allow economies and improvements in medical libraries and information centers throughout the nation.

Since these new services facilitate access to the literature, the development of this aspect of the BCN must be coordinated with the RMLP to insure appropriate document delivery services and to improve the efficiency of the delivery service to meet the growing demand on-line services will place on this service.

The implementation of this program is to be achieved through existing institutions willing and able to assume these additional service responsibilities. It is neither desirable nor necessary to build separate institutions for this purpose.

I. PROGRAM OBJECTIVES

To support the development and operation of a range of on-line information services for the nation's health professionals. This network should include, but not be limited to, the following characteristics:

- A. Rapid and efficient delivery of bibliographic and specialized information.
- B. Optimal cost effectiveness of the on-line services and the related document delivery services.
- C. National coordination with local and regional management planning.
- D. Access to on-line services on a balanced basis to serve the fundamental purpose of the network, i.e., health services delivery, education and research.
- E. The various on-line services of NLM should, to the maximum extent practicable, adopt common policies and standards and user groups should be encouraged to develop intergroup service arrangements.

II. SERVICE POLICIES

A. General

The system design is generally not hierarchical except in its management aspects. The NLM exercises overall management and provides supporting services, e.g., training and trouble resolution, but each unit obtains service on an equal and self-sufficient basis. The RMLs provide planning and support functions for their regions.

B. Qualified Institutional Users

Terminals having access to the on-line services of NLM are usually in institutions having document holdings to provide the delivery of identified literature. Qualified institutional users include:

1. Regional Medical Libraries and Participating Libraries.
2. Hospitals.
3. Large institutions with meaningful health science education and training programs.
4. Other health-related schools, research organizations, commercial organizations involved in health and information activities, library schools, or governmental agencies.
5. In some cases, individuals in the health professions with a need for direct access to the services.

There may be a limit to the on-line services of the NLM, and they will be available to only a limited number of requesting institutions; however, the NLM will provide increasing capabilities to meet the legitimate needs of the biomedical community. Access to the service will be provided to institutions to achieve the immediate objectives above (I.).

C. Specific Responsibilities of Institutional Users

1. Institutions undertaking to provide on-line services should function in a manner consistent with the rapidity inherent in such services. In general, search requests should be handled as quickly as practicable, generally within one working day.
2. When feasible, users should be encouraged to use the search services themselves or at least be present when their requests are run. As a general rule, requests should not be returned or forwarded to another center. If the request is from outside the area of responsibility, unless inappropriate to the services, it should be fulfilled and the requester informed where he should obtain the service in the future.
3. Using institutions and individuals must agree to pay the rates levied by NLM for the services. Further, since this is a Government service, they must agree to adhere to NLM established maximum charges to their users or to identify in any charges levied on their users the actual cost of the services they have used from the NLM.

III. PRICES

The NLM should price its on-line services so as to recover those costs beyond the walls of NLM associated with the provision of the service, e.g., communications, back-up computer services, and use fees for data bases from other organizations. The Director, NLM, to insure effective and efficient management of the system, is authorized to set prices above this level. To the extent practicable, such prices will be independent of geographic location.

MEDLARS INDEXING MANUAL, 2d EDITION, 1976
Thelma Charen
Index Section, NLM

The Index Section is preparing a second edition of the MEDLARS INDEXING MANUAL. We have always issued annual supplements as separate addenda, but this is the first major revision since 1969.

The format is somewhat different. It is being printed on both sides of the page, in elite type and with narrower margins. A new feature has been added: that of a segmentation into 37 self-contained sections. The chapters of the first edition have been retained; one on monographs has been added. Each chapter or section has been provided with its own light cardboard cover with the title MEDLARS INDEXING MANUAL and a section number with the title of the section. A complete manual contains the 37 sections, but it is being published in two parts by NTIS.

Available now through NTIS is the part of the Manual which contains the general bibliographic principles governing the citation of articles and monographs indexed. It is entitled MEDLARS INDEXING MANUAL (PART I): BIBLIOGRAPHIC PRINCIPLES AND DESCRIPTIVE INDEXING, 1977. It includes ten sections: 1. MEDLARS; 2. Journal Title Abbreviations; 3. Handstamp; 10. Pagination; 11. Language; 13. Author; 14. Title; 15. Author Affiliation; 16. Author Abstract; 37. Monographs.

The chapters dealing with the technical aspects of indexing for INDEX MEDICUS and other MEDLARS products have almost been completed and will comprise Part II. They are similarly issued in separate modules in the same form: soft cardboard cover with the over-all title and section number and title. These concern indexing principles on check tags, subheadings, general indexing approach, and, category by category, indexing principles for each. The PB number, title and price will be announced as soon as they are available.

The 1976 revision of the Manual will reflect the indexing policy changes wrought by the new capabilities of the MEDLARS II program, such as title- and text-word searching. As usual, changes had to be made to bring the examples up to date with MeSH changes and, indeed, this second edition uses illustrations with terms from the forthcoming 1977 MeSH (e.g., the new use of the subheadings /surgery with animals of Category B2 and /ultrastructure with neoplasms and cysts of Category C4). With the introduction of the indexing of monographs and resultant expansion in the size of INDEX MEDICUS, a few indexing policy changes were made in the use of IM vs NIM (i.e., INDEX MEDICUS terms vs NON-INDEX MEDICUS terms) which will have general application.

The second edition is being revised and re-written by Thelma Charen. Following is the NTIS purchase information for Part I:

ACCESSION NUMBER: PB-254-270
PRICE: \$6.00
TITLE: MEDLARS INDEXING MANUAL (PART I): BIBLIOGRAPHIC
PRINCIPLES AND DESCRIPTIVE INDEXING, 1977

NEW SERIALS ANNOUNCEMENT - JUNE 1976
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records and Binding Section during the month of June. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM.

ACTA BIOLOGICA

1, 1975?--
Supersedes Acta Biologica et Medica
Gdanskie Towarzystwo Naukowe
Gdansk, Poland

ACTA EUROPAEA FERTILITATIS. COLLANA
DI MONOGRAFIE

1, 1974--
Piccin
Padua, Italy

ANNALS OF THE ICRP

1, 1976--
Consists of Reports and Recommendations of the International Commission on Radiological Protection
Previous Reports Classed Separately
Pergamon Press
Oxford, England

BRITISH JOURNAL OF CLINICAL
EQUIPMENT

1, 1975--
Hospital Medicine Publications
England

CLINICAL NUCLEAR MEDICINE

1, 1976--
J B Lippincott
Philadelphia, Pennsylvania

COMPREHENSIVE DESK REFERENCE OF
VETERINARY PHARMACEUTICALS AND
BIOLOGICALS

1976/77--
F A Davis
Philadelphia, Pennsylvania

CREATIVE DEVELOPMENTS IN PSYCHOTHERAPY

1, 1971--
Case Western Reserve University
Press
Cleveland, Ohio

DIABETES EDUCATOR

1, 1975--
American Association of Diabetes
Educators
Chicago, Illinois

ESSAYS IN NEUROCHEMISTRY AND
NEUROPHARMACOLOGY

1, 1976--
John H Wiley
London, England

*ESSENCE: ISSUES IN THE STUDY OF AGING,
DYING, AND DEATH

1, 1976--
York University. Atkinson College
Downsview, Ontario, Canada

HOSPITAL MANAGEMENT SERIES

1, 1975--
Catholic Hospital Association
St. Louis, Missouri

INTERNATIONAL JOURNAL OF RADIATION
STERILIZATION

1, 1976--
Jacob Stonim
Tel Aviv, Israel

JAPAN PHARMACEUTICAL ABSTRACTS

1, 1975--
Iyakuin Sangyo Kenkyusho
Tokyo, Japan

- JOURNAL OF THE AMERICAN ACADEMY
OF PSYCHIATRY AND NEUROLOGY
1, 1976--
Menta Publications
Scarsdale, New York
- JOURNAL OF MEDICAL VIROLOGY
1, 1976--
Alan R Liss
New York, New York
- *JOURNAL DE MICROSCOPIE ET DE
SPECTROSCOPIE ELECTRONIQUES
1, 1976--
Societe Francaise de
Microscopie Electronique
Ivry, France
- LECTURE NOTES IN BIOMATHEMATICS
1, 1974--
Springer Verlag
Berlin, West Germany
- MEDICAL MONITOR (AUDIO CASSETTE)
1, 1976--
Modern Medicine Publications
Minneapolis, Minnesota
- NUCLEIC ACIDS RESEARCH. SPECIAL
PUBLICATION
1, 1975--
Proceedings of the Third
Symposium on the Chemistry of
Nucleic Acids Components
Information Retrieval
London, England
- PHILOSOPHY AND MEDICINE
1, 1975--
Reidel Publishing Co
Dordrecht, Netherlands
- *POPULATION TRENDS
1, 1975--
England. Office of Population
Censuses and Surveys
London, England
- PRACTICAL CARDIOLOGY
1, 1975--
Med Publishing
New York, New York
- PROGRESS OF DIGESTIVE ENDOSCOPY
1, 1972--
Kyowa Kikaku Tushin
Tokyo, Japan
- RECENT ADVANCES IN RESPIRATORY MEDICINE
1, 1976--
Churchill Livingstone
Edinburgh, Scotland
- REHABILITATION WORLD
1, 1975--
Rehabilitation World
New York, New York
- *REVISTA CUBANA DE ADMINISTRACION DE
SALUD
1, 1975--
Centro Nacional de Informacion
de Medicas
Havana, Cuba
- *RIVISTA DI TOSSICOLOGIA: SPERIMENTALE
E CLINICA
5, 1975--
Cont of Rivista di Clinica
Tossicologia
Societa Editrice Universo
Rome, Italy
- *SEMINARS IN COMMUNITY MEDICINE
1, 1976--
Oxford University Press
London, England
- SOLID-PHASE BIOCHEMISTRY
1, 1976--
Plenum
New York, New York
- *SUICIDE AND LIFE-THREATENING BEHAVIOR
6, 1976--
Cont of Suicide. American
Association of Suicidology
Behavioral Sciences Press
New York, New York
- *TIJDSCHRIFT VOOR ALCOHOL, DRUGS EN
ANDERE PSYCHOTROPE STOFFEN
1, 1975--
Volksbond Tegen Drankmisbruik
The Hague, Netherlands

***TIJDSCHRIFT VOOR KINDERGENEESKUNDE**

44, 1976--

Cont of Maandschrift Voor
Kindergeneeskunde
Bohn Scheltem and Holkem
Amsterdam, Netherlands

WORLD JOURNAL OF SURGERY

1, 1977--

Supersedes Bulletin de la Societe
Internationale de Chirurgie
Springer Verlag
New York, New York

***TRANSNATIONAL MENTAL HEALTH
RESEARCH NEWSLETTER**

18, 1975--

Cont of International Mental
Health Research Newsletter
Postgraduate Center for
Mental Health
New York, New York



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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

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JOURNAL CITATION DATA BASES

SDILINE was updated with September 1976 citations at NLM and SUNY on August 9. MEDLINE was updated at NLM on August 11 and at SUNY on August 16. The sizes, Index Medicus date ranges, and entry date ranges are given below:

MEDLINE (Jan 74 - Sept 76)	- 652,270
(Entry Dates: 731130 to 760803)	
SDILINE (Sept 76)	- 21,468
(Entry Dates: 760610, 760802, 760803)	

ON-LINE TECHNICAL NOTES

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EPILEPSYLINE,
NAME CHANGE
AND FREE USE
(Manual XIX)

The Epilepsy file is now designated EPILEPSYLINE but is accessed in the same way as before, i.e., "FILE EPILEPSY or an abbreviation thereof. As of September 1, 1976, the file will contain approximately 19,000 abstracts from 1947 through the current year.

To encourage users of EPILEPSYLINE to become more familiar with the file, the National Institute of Neurological and Communicative Disorders and Stroke will absorb connect time charges for all users of EPILEPSYLINE during September 1976. Users accessing EPILEPSYLINE during September will pay for pages generated off-line.

CODE
CONSOLIDATION

In the June 1976 issue of the Technical Bulletin (Page 6), it was announced that centers with both a MEDLINE and a TOXLINE ID code may request that one code be deactivated and that the remaining code have access to both the MEDLINE and TOXLINE data bases. Forms requesting this action were distributed with that issue of the Bulletin. Requests returned to NLM by July 15 became effective August 1, 1976. Requests received by August 15 will be effective September 1, 1976.

AUTOMATIC SDI,
INITIAL
PROCESSING
(Manual XVI)

The availability of monthly Automatic SDI processing against the current month's citations in SDILINE was announced in the June 1976 issue of the Technical Bulletin (page 6). Forms for requesting Automatic SDI service were distributed with that issue of the Bulletin. Requests returned to NLM by September 3, will be processed the week of September 13 against the October 1976 citations and every month thereafter. Requests received at NLM between September 4 and October 1 will be processed the week of October 11, 1976 against the November 1976 citations and every month thereafter.

ABSTRACTS -
MEDLINE,
PERCENTAGE
(Manual V-11)

Currently, approximately 120,000 or 18% of the citations in the MEDLINE data base contain author abstracts. NLM began to include abstracts in the MEDLINE file with the March, 1975, update. About one third of the citations added to the file since then contain abstracts.

TELENET NUMBERS
(Manual II)

New Numbers:

Hempstead, NY	516/292-0320
Stamford, CT	203/357-1800

Deleted Numbers:

Santa Ana, CA	714/558-6071
---------------	--------------

TYMSHARE NUMBERS
(Manual II-9)

New Numbers:

San Francisco, CA	415/421-9240	(Correspondence Code)
Memphis, TN	901/396-4411	" "
Allentown, PA	215/433-6131	" "

Changed Numbers:

The Ann Arbor, MI number 313/995-2121 has been changed to 313/995-6260.

The three 10 cps numbers in Akron, OH (216/434-1601, 6960, 6646) have been replaced by 216/434-4523 (10 cps).

The three 30 cps numbers in Akron, OH (216/434-6648, 6195, 376-1451) have been replaced by 216/434-4593 (30 cps).

Deleted Numbers:

New York, NY	212/750-9445
--------------	--------------

COMPUTER/ELAPSED
TIME, NEW
FORMAT - NLM
(Manual II)

During the log in process to the NLM computer, users now receive the NLM TIME (computer clock time) and the date. Since the NLM computer is located in Bethesda, Maryland, the time given by the computer is Eastern Time (e.g., 16:07:22 which is translated as 4:07 pm and 22 seconds, Eastern Time). After the log-in has been completed, each time an @ symbol or a "STOP command is entered, the computer will provide the user with the elapsed TIME (e.g., 0:08:47 (8 min. and 47 seconds)), from the last @ symbol, log-in, or "STOP command which took place. The computer also provides the NLM TIME along with the elapsed TIME.

ON-LINE
TRAINING CLASSES,
NLM & UCLA

Below are the schedules for future on-line training classes to be held at the National Library of Medicine (NLM) in Bethesda, Maryland, and at the University of California, Los Angeles.

NLM Training Schedule

MEDLINE

January - December 1977

January 31 - February 18	On-Line Services (3-week)
March 7 - 11	Advanced (1-week)
March 28 - April 1	Introductory (1-week)
April 25 - May 13	On-Line Services (3-week)
June 20	To be determined
July 25 - 29	Advanced (1-week)
September 12 - 30	On-Line Services (3-week)
October 17 - 21	Advanced (1-week)
November 14 - 18	Introductory (1-week)
November 28	To be determined

NLM Training Schedule

TOXLINE

January - December 1977

January 26 - 28
March 2 - 4
May 4 - 6
July 13 - 15
September 7 - 9
November 9 - 11

UCLA Training Schedule

September - December 1976

September 20 - 22	TOXLINE
October 13 - 29	On-Line Services (3-week)
December 6 - 10	Advanced (1-week)

CITATION NUMBER RANGING DISCONTINUED, MEDLINE (Manual V-3) The ranging capability can no longer be used for searching Citation Numbers (CN) in the MEDLINE file.

MONOGRAPH TAG - IM, CATLINE (Manual VIII) Users may now search the CATLINE file for those monographs which are also included in Index Medicus and MEDLINE. Each CATLINE monograph which is also in Index Medicus and MEDLINE will carry the tag IM. The Print/Search qualifier is (IX), but is not required in order to search the IM tag.

MEDLINE TRAINEES AT UCLA, JULY 28, 1976

The University of California Biomedical Library, Los Angeles, held its twenty-third MEDLINE Training Class July 28 - August 13, 1976. The following people attended:

Florence Jakus
Sunrise Hospital
Las Vegas, Nevada

Bob Kearney
California College of
Podiatric Medicine
San Francisco, California

Barbara Mahoney
St. Francis Memorial Hospital
San Francisco, California

Margaret McNamara
Bannock Memorial Hospital
Pocatello, Idaho

Merle Ochs
Dominican Santa Cruz Hospital
Santa Cruz, California

Rita Ryan
Mountain States Tumor Institute
Health Information Retrieval Center
Boise, Idaho

Jean Schmidt
Montana State University
Bozeman, Montana

Judy Schultz
Bauer Hospital/St. Mary Medical Center
Long Beach, California

Sherrill Sorrentino
LAC-Harbor General Hospital
Torrance, California

Daniel Taylor
Creighton University
Omaha, Nebraska

NEW SERIALS ANNOUNCEMENT - JULY 1976
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records and Binding Section during the month of July. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM

- *ACTA MICROBIOLOGICA POLONICA
25, 1976--
Formed by the merger of Acta Microbiologica Polonica. Series A and Acta Microbiologica Polonica. Series B.
Panstwowe Wydawnictwo Naukowe
Warsaw, Poland
- *ARCHIVES D'ANATOMIE ET DE CYTOLOGIE PATHOLOGIQUES
24, 1976--
Cont of Archives d'Anatomie Pathologique
Expansion Scientifique Francaise
Paris, France
- ATHEROSCLEROSIS REVIEW
1, 1976--
Raven Press
New York, New York
- *COLLANA SCIENTIFICA ALFA FARMACEUTICI
1, 1976--
Edizioni Skema
Bologna, Italy
- *COMMUNICATIONS MONOGRAPHS
43, 1976--
Cont of Speech Monographs
Speech Communication Association
Falls Church, Virginia
- CONTEMPORARY ISSUES OF MENTAL HEALTH
1, 1975--
Pennsylvania. Bureau of Research and Training - Mental Health
Philadelphia, Pennsylvania
- *ENTRETIENS DE BICHAT, ODONTO-STOMATOLOGIE
1972--
Cont of Entretiens de Bichat Stomatologie
Expansion Scientifique Francaise
Paris, France
- FORTSCHRITTE DER ONKOLOGIE
1, 1975--
Akademie-Verlag
Berlin, West Germany
- *GENERAL DENTISTRY
24, 1976--
Cont of Journal-Academy of General Dentistry
Academy of General Dentistry
Chicago, Illinois
- *JOURNAL OF CANCER
1, 1973?--
University of Tehran.
Pahlavi Medical School
Tehran, Iran
- MODERN PSYCHOANALYSIS
1, 1976--
Manhattan Center for Advanced Psychoanalytic Studies
New York, New York
- *NUKLEARMEDIZIN/NUCLEAR MEDICINE
15, 1976--
Cont of Nuclear-Medizin
F K Schattauer Verlag
Stuttgart, West Germany

- *NURSING PAPERS/PERSPECTIVES EN NURSING
7, 1975--
Cont of Nursing Papers
McGill University. School of Nursing
Montreal, Quebec
- *PAABS SYMPOSIUM SERIES
1975--
Cont of Paabs Symposium
Academic Press
New York, New York
- PALEOPATHOLOGY NEWSLETTER
1, 1973--
Paleopathology Association
Philadelphia, Pennsylvania
- RASSEGNA ITALIANA DI CHIRURGIA PEDIATRICA
1, 1976--
Supersedes Rivista di Chirurgia Pediatrica
Societa Italiana di Chirurgia Pediatrica
Rome, Italy
- REVIEW OF ALLIED HEALTH EDUCATION
1, 1974--
University of Kentucky Press
Lexington, Kentucky
- *REVUE D'EPIDEMIOLOGIE ET DE SANTE PUBLIQUE
24, 1976--
Cont of Revue d'Epidemiologie Medecine Sociale et Sante Publique
Revue D'Epidemiologie et de Sante Publique
Paris, France
- REVUE FRANCAISE DU DOMMAGE CORPOREL
1, 1975--
Supersedes Bulletin des Medecins-Conseils de Societes d'Assurances Federation Francaise des Associations de Medecins-Conseils de Societes d'Assurances
Paris, France
- *RIVISTA MEDICA DELLA SVIZZERA ITALIANA
41, 1976--
Cont of Bolletino dei Medici Della Svizzera Italiana
Ordine Dei Medici del Canton Ticino
Locarno, Switzerland
- *S-A TYDSKRIF VIR APTEEKWESE/ SA PHARMACEUTICAL JOURNAL
43, 1976--
Cont of South African Pharmaceutical Journal
Mims
Pretoria, South Africa
- SCIENCES HYGIENE - NATURE ET SANTE
1, 1975--
Association Sciences, Hygiene et Vie Naturelle
Pierrelatte, France
- *TIJDSCHRIFT VOOR VERLOSKUNDIGEN
1, 1976--
Supersedes Tijdschrift Voor Praktische Verloskunde Leden Administratie Nov
Rotterdam, Netherlands
- *ZEITSCHRIFT FUER IMMUNITAETSFORSCHUNG
151, 1976--
Cont of Zeitschrift fuer Immunitaetsforschung, Experimentelle und Klinische Immunologie
Gustav Fischer Verlag
Stuttgart, West Germany

MEDLINE TRAINEES AT NLM, JULY 12, 1976

The twenty-ninth NLM On-line Service (MEDLINE) Training Class was held July 12-30, 1976. The following people attended:

Elizabeth Berryman
Merck Sharp & Dohme
West Point, Pennsylvania

Jorge Cervantes
National Health Information and
Documentation Center
Mexico City, Mexico

Dale Eliasson
Memorial Hospital at Easton
Easton, Maryland

Susan Gregory
Federal Bureau of Investigation
Quantico, Virginia

Alfrieda Keeling
Veterans Administration Hospital
St. Louis, Missouri

Barbara Kelso
University of Texas Medical Branch
Galveston, Texas

Eleanor Kleman
Prince George's General Hospital
and Medical Center
Cheverly, Maryland

Forough Koochek
Pahlavi Library of Medicine
Teheran, Iran

Barbara Longo
University of Pittsburgh
Pittsburgh, Pennsylvania

Taekun O
Mercy Hospital
Chicago, Illinois

Jefferson Palmore
Bureau of Foods, FDA
Washington, D.C.

Steven Rossouw
South African Medical Research Council
Capetown, South Africa

Susan Selig
University of Tennessee
Memphis, Tennessee

Eleanor Shonn
Ohio Valley Medical Center
Wheeling, West Virginia

Elsie Yuen
National Institute of Arthritis, Metabolism
and Digestive Diseases, NIH
Bethesda, Maryland



LIBRARY NETWORK / MEDLARS TECHNICAL BULLETIN

of the

Library Component of the Biomedical Communications Network

No. 89

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
of the
Library Component of the Biomedical
Communications Network

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The LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
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JOURNAL CITATION DATA BASES

MEDLINE and SDILINE at NLM and SUNY were updated with October 1976 citations on September 13. The sizes, Index Medicus date ranges, and entry dates are given below:

MEDLINE (Jan 74 - Oct 76)	- 678,031
(Entry Dates: 731130 to 760902)	
SDILINE (October 76)	- 26,108
(Entry Dates: 760823, 760901, 760902)	

ON-LINE TECHNICAL NOTES

PLEASE QUERY THE NLM/ON-LINE NEWS FILES DAILY FOR SPECIAL NOTICES AND MESSAGES

Whenever applicable, in the margin beside each Technical Note, users will be referred to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that in many instances the item may also pertain to other sections of the Manual.

TYMSHARE
NUMBERS

(Manual II-9)

New Number:

Tulsa, OK 918/492-5306 (30 cps only)

Deleted Numbers:

Cupertino, CA	408/996-2200
Cupertino, CA	408/996-1000
San Jose, CA	408/446-4850
Annapolis, MD	301/268-9290

EXPLOSIONS, LONG
MESH TERMS
(Manual II-16)

When exploding a MeSH term, if the combination of the term, the instruction EXP, and the preceding space exceeds 36 characters the search will not be performed. Therefore, when exploding some long MeSH terms, searchers must truncate the term before the thirty-sixth character limit is exceeded.

For example, to explode the MeSH term SURGERY, DIGESTIVE SYSTEM (NON MESH) the input might be:

EXP SURGERY, DIGESTIVE SYSTEM:

In order to avoid a multi-meaning message, you must input enough characters to make the term unique.

TREE ALL
COMMAND,
REPAIRED
(Manual III-45)

The "TREE ALL" command which enables the user to display multiple MeSH Tree Structure segments on-line for a given term is again functioning properly on both NLM and SUNY.

CANCERLINE
SDI's
(Manual XV)

The CANCERLINE file is now being updated on a regular monthly basis, effective with the July 1976 update. Citations added during each update will carry year and month of that update in the Entry Date (ED) field, i.e. 7607. Therefore, CANCERLINE SDI's may now be performed, searching only the most recent citations in the file, for example:

FIBROSARCOMA AND 7607

MeSH - 1977
AND STANDING
ORDERS
(Manual IV-11)

The 1977 editions of the NLM Medical Subject Headings (MeSH) will be available from the National Technical Information Service (NTIS) in October 1976. Although they will not be needed for use with MEDLINE until the end of the year and distribution by NTIS will not begin until October, orders may be placed prior to that time using the following information:

<u>ACCESSION NO.</u>	<u>TITLE</u>	<u>PRICE</u>
PB-255-932	Medical Subject Headings - Annotated Alphabetic List, 1977	\$16.25 (2.25 microfiche)
PB-255-933	Medical Subject Headings - Tree Structures, 1977	\$12.00 (2.25 microfiche)

Centers which have NTIS DEPOSIT ACCOUNTS may have the above tools placed on a standing order by contacting Mr. Alexander at the following address:

Mr. A.W. Alexander
National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, Virginia 22161

Until further notice, all other MEDLINE tools available from NTIS must be ordered on an individual basis.

EVOKED POTENTIALS, The term EVOKED POTENTIALS appears in the following two
INCORRECT TREE locations in the MeSH Tree Structure:
NUMBER

ACTION POTENTIALS G11.561.450.100
EVOKED POTENTIALS G11.561.450.100.300

MEMBRANE POTENTIALS G7.453.697
EVOKED POTENTIALS G7.453.697.400

Many of the EVOKED POTENTIALS citations which should have the tree number G7.453.697.400 incorrectly carry the MeSH Classification number G7.483.697.400. Thus, explosions of the G7.453 category will yield incorrect postings. This situation will be corrected at the end of the year when the file is maintained. Until that time, explosions of G7.453 which include the term EVOKED POTENTIALS should be ORed with the heading EVOKED POTENTIALS in order to retrieve all citations, for example:

EXP MEMBRANE POTENTIALS OR EVOKED POTENTIALS

Searches on the individual term EVOKED POTENTIALS and of the G11 category are not affected by this tree number error.

HYDROGEN-ION
CONCENTRATION (PH)

The entry of HYDROGEN-ION CONCENTRATION in the 1976 annotated MeSH states that PH is an acceptable abbreviation. However, since PH had already been assigned as an abbreviation for PHILIPPINES, citations input for 1976 with the abbreviation PH were indexed for PHILIPPINES rather than HYDROGEN-ION CONCENTRATION. As a result, approximately 3400 citations input after 751119 are indexed under PHILIPPINES when the Indexer's intent was to index them under HYDROGEN-ION CONCENTRATION. During this time, some citations were indexed to HYDROGEN-ION CONCENTRATION since in these instances the Indexer entered the heading spelled out.

Unfortunately, this situation will not be correct until the 1977 data base is available. In the meantime, to search HYDROGEN-ION CONCENTRATION for 1976 input, one must search the heading PHILIPPINES as well. Although a very small proportion of the citations indexed under PHILIPPINES really concern the Philippines, the noise should be minimal because of the nature of the subject.

The 1976 MeSH file has been corrected so that all citations input after 760803 where the abbreviation PH was used are being indexed to HYDROGEN-ION CONCENTRATION.

DIRECT DIAL
NUMBERS
(Manual II-8)

On September 14, 1976, the following changes were made to
NLM direct dial numbers:

Deleted:	Added:
652-0142	*656-2715 (10, 15, 30 cps)
652-0963	657-1896 (30 cps only, at present)
652-9363	
654-2687	*User must enter a carriage return
654-5550	before /LOGIN
654-7722	

These changes were made to consolidate the direct dial numbers and to improve efficiency. The total number of telephone lines available remain approximately the same but users will have fewer numbers to remember.

HOURS OF SERVICE,
EFFECTIVE 10/1/76

As of October 1, 1976, the on-line hours of service at NLM and SUNY are as follows:

	<u>NLM</u>	<u>SUNY</u>
MON.	3 a.m. - 6 p.m.	8 a.m. - 8 p.m.
TUES.	12 noon - 8 p.m.	3 a.m. - 6 p.m.
WED.	3 a.m. - 6 p.m.	8 a.m. - 8 p.m.
THURS.	3 a.m. - 8 p.m.	8 a.m. - 6 p.m.
FRI.	3 a.m. - 6 p.m.	8 a.m. - 8 p.m.
*SAT.	12 noon - 4 p.m.	NONE

The above hours are based on the Eastern Timezone. As in the past, if you have trouble using the on-line files at NLM or SUNY, notify MEDLARS Management Section (800/638-8480 or 301/496-6193) Monday through Friday between the hours of 8:30 a.m. and 5:00 p.m. Eastern Time. Users may contact the NLM computer room (301/496-2734) to report NLM or SUNY problems all other times.

*During October, for one month, NLM will provide service at non-prime time rates on Saturdays to see if the demand warrants such service.

QUESTIONS ASKED AT THE JUNE 1976 MLA ON-LINE USERS GROUP MEETING

Joseph Leiter, Ph.D., Davis B. McCarn

National Library of Medicine

Following are the answers to questions asked at the June 1976 MLA On-Line Group Meeting:

1. Q: *What is the status of the SERLINE file?*

A: NLM anticipates that a new version of the SERLINE file (SERials on-LINE) will be available again sometime in the Fall of 1976. When it becomes available, it will also include the information now contained in the JOURNAL AUTHORITY FILE. The JOURNAL AUTHORITY FILE will then be discontinued.

2. Q: *Will there be a published list of the monographs included in Index Medicus?*

A: Yes. A list of those monographs which were included in Index Medicus from May through August 1976 appears in the August 1976 issue of Index Medicus. In the future, each monthly issue of Index Medicus and Cumulated Index Medicus will carry a list of these monographs.

3. Q: *Will there be an indicator in CATLINE for those titles which are also included in MEDLINE?*

A: Yes. CATLINE titles which also appear in Index Medicus and MEDLINE will carry the tag IM. The Print/Search qualifier is (IX), but is not required in order to search the IM tag in CATLINE.

4. Q: *Are one term searches appropriate in MEDLINE?*

A: Yes.

5. Q: *How does a center gain access to both MEDLINE and TOXLINE with its MEDLINE ID code, if it does not currently have TOXLINE access?*

A: Centers wishing TOXLINE access with their MEDLINE ID code should contact the Toxicology Information Program, National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20014, if they are not already TOXLINE users. Centers which currently have both MEDLINE and TOXLINE access with two different ID codes may contact MEDLARS Management Section at NLM to obtain access to both files with a single code. They may also request that one of their ID codes be deactivated to avoid the monthly minimum charge and the additional code surcharge.

6. Q: *What are the plans to make AVLINE more current?*

A: AVLINE acquisition and input procedures have been revised and AVLINE will be more current by January 1977.

7. Q: *Why not add new materials to AVLINE by subject area rather than randomly?*

- A: The AVLINE data base is still in the process of being evaluated. Current plans are to concentrate on adding the most recently produced materials. Materials will be added from recent productions in the order in which they are acquired and processed.
8. Q: *How can the evaluation of AVLINE materials be improved?*
- A: The Association of American Medical Colleges (AAMC), in conjunction with NLM, is in the process of restructuring the review criteria.
9. Q: *How does the searcher locate the NLM call number, author(s), and/or series title of a monograph which appears in the MEDLINE data base?*
- A: The NLM call number of a monograph in MEDLINE appears in the TA field and prints in the SO field. The author of the piece appears in the AU field. To obtain the series title or congress name, users must search the CATLINE file, using the call number obtained from MEDLINE.
10. Q: *Would it be possible to add a running date in Index Medicus?*
- A: Yes. Beginning with the January 1977 issue of Index Medicus the date of the IM issue will appear on each page.
11. Q: *Is there a way to tie your login code to a procedure to cut out the "experienced user" message?*
- A: NLM does not believe this message should be eliminated. NLM will, however, shorten the message to: "Would you like the New or Experienced user format? (N E)"
12. Q: *Would it be possible to restrict printouts to first author only?*
- A: Yes, NLM is investigating how this might be done. However, this change will probably not be practicable until early 1977.
13. Q: *If SUNY goes down at night, who should be called to take corrective action?*
- A: The procedure to follow has been changed. If SUNY is not functioning properly, users should call the NLM computer room (301/496-2734). The NLM will test the SUNY system and take necessary corrective action.
14. Q: *Can the result of a CHEMLINE search be used automatically as input to a search of other files?*
- A: Not at present. This is a capability which was considered for implementation but it was decided to postpone its development indefinitely.
15. Q: *Are there plans to update the published Permuted MeSH?*
- A: NLM does plan to update the Permuted MeSH for the 1977 vocabulary. This publication will be available from NTIS and will be announced in

- the Technical Bulletin. The On-Line MeSH is searchable on text words.
16. Q: *Why is CATLINE available only during prime time for West Coast users?*
- A: CATLINE is currently available Tuesday during non-prime for the West Coast. New hours will become effective on October 1; see Technical Note.
17. Q: *Can the Bibliography of Medical Reviews (BMR) be provided on-line for the back years 1966-1973?*
- A: NLM is investigating the establishment of such a new file.
18. Q: *Could NLM provide an index for individual specified serials based on MeSH terms?*
- A: No.
19. Q: *Would it be possible to print Index Medicus in a quarterly format?*
- A: **Yes, it is** possible but there are problems such as the size of the publication. NLM is considering microfilm.
20. Q: *Will it be possible to sequence the output of searches, such as by first author?*
- A: Not on-line. On-line sorting would seriously impact the NLM's capability to support the growing demand for service. Sorting of off-line prints would be possible but there would have to be an additional charge for this service, probably \$.10 extra per page. Users should inform MMS of their interest in such sorting at an increased charge.
21. Q: *Will it be possible to store user addresses permanently for use with off-line prints?*
- A: NLM is examining the possibility of storing addresses.
22. Q: *Is there a minimum number of searches that must be stored under an ID code in order for a center to request that NLM process the stored SDI's automatically each month?*
- A: Yes. Five searches must be stored under a particular code, using the appropriate naming conventions for Automatic SDI's, in order for NLM to begin automatic processing each month. (See the June 1976 Technical Bulletin).
23. Q: *Will consideration be given to separating the monographs out of the MEDLINE file?*
- A: This is not being considered at present as it would involve building an additional data base. Also, searchers would have to input searches

twice to search both files. All monographs in the MEDLINE file carry the tag MONOGRAPH which may be used in search strategies to include or negate these monographs (e.g., HEPATITIS AND NOT MONOGRAPH).

24. Q: *Can on-line services be provided on Saturdays?*

A: Yes. Saturday service was dropped because usage did not warrant keeping the system up. In October, for one month, NLM will provide service at non-prime rates on Saturdays from 12:00 noon to 4:00 p.m. to see whether the demand now warrants such service.

25. Q: *How current is the CANCERLINE data base?*

A: Cancer articles for 1976 are now being processed and added to CANCERLINE during regular monthly updates. Editor approved author abstracts appear in the data base within two months of the article's presentation in a primary journal. Articles requiring abstracting by ICRDB contractors are appearing in the data base within five months of the articles presentation in the primary journal. (This five-month lag will eventually be narrowed to a 2 - 3 month lag.) Some 1975 information (a small portion still remains) is being added as time permits, with top priority going to 1976 material. CANCERLINE searches may be updated by inputting the year and month of the update; e.g., FIBROSARCOMA AND 7607.

26. Q: *Will prime and non-prime on-line time continue at NLM and SUNY?*

A: Yes.

27. Q: *Is it possible to allow searchers to switch from one file to another without losing their prior search results?*

A: Yes. In the late fall, we anticipate that this will be practicable.

28. Q: *Do many off-line prints get lost?*

A: There are approximately 30,000 off-line prints/OFFSEARCHES generated per month. MEDLARS Management receives very few calls each month about lost prints.

29. Q: *Is it possible to search title words only and exclude words from abstracts without using stringsearch?*

A: No. All textwords are handled together. Separating title words from abstract words would result in a substantial increase in storage and processing costs. However, once an initial search has been performed the stringsearch capability may be used to search only the title field.

30. Q: *Would it be possible to input "AND *" after a search and reduce the retrieval to only print headings?*

A: No. This would be very complex and expensive.

31. Q: *Can the response time on SUNY MEDLINE be decreased?*
- A: NLM is aware of the SUNY response time, and under the new contract with SUNY we will require that the response time be decreased if practicable.
32. Q: *Users in the Central time zone have very little non-prime time available for searching. Can this situation be alleviated?*
- A: NLM recognizes that this is a problem, and new hours will be effective October 1; see Technical Note.
33. Q: *Is it possible to get new serials and monographs into the system earlier?*
- A: Not at present. All serials and monographs must go through the selection process.
34. Q: *Should symposia and proceedings be indexed?*
- A: Some folks think so...which is why we're doing it.
35. Q: *Why do we get TOXLINE locators in CHEMLINE when the citation is not in TOXLINE?*
- A: TOXLINE citations prior to 1971 are in the TOXBACK file. Therefore, CHEMLINE users may receive TOXLINE locators in CHEMLINE where the citation is actually in the TOXBACK file.
36. Q: *Are there plans to add other data bases at SUNY?*
- A: Not at present. Only the most used data bases can be mounted at SUNY because of the high cost of storage.
37. Q: *Is there any way to include or negate monographs in an SDILINE or MEDLINE search?*
- A: Yes. All monographs are assigned the tag MONOGRAPH, thus this tag may be included in the search strategy; e.g., HEPATITIS AND NOT MONOGRAPH.
38. Q: *Why, in some instances, does the same citation appear in multiple data bases?*
- A: Because of multiple sources, and variations in the Unit record, it is inevitable that some of the same citations will appear in multiple files. If a citation appears more than once in the same file, please notify MEDLARS Management Section so the situation can be corrected.
39. Q: *Is there any possibility of adding a third computer to the system in the mid-west or west?*

- A: No. There is no economic or operational advantage to adding a third computer. Such an addition would probably result in higher rates for on-line services.
40. Q: *Are there any plans to change the searching default in MEDLINE?*
- A: Not at present. The MEDLINE searching default will continue to be to all elements except for Text Words (TW) and Journal Title Abbreviations (TA).
41. Q: *Can the invoices from NTIS be changed to show the connect time for each terminal session rather than just a total of use for the month in a given file?*
- A: Not at present.
42. Q: *Are many people dissatisfied with the quality of the publications received from NTIS, etc.?*
- A: In January 1976, on-line centers were asked by NLM to report about the publications ordered from NTIS. Some 220 centers responded. The time from the date an order was placed until it was received was usually within 39 days (80% of tools ordered - 1,205 items). The quality of printing for these publications was indicated as follows:
- Excellent (18.6%) Good (56.4%) Poor (19.7%) Unspecified (5.3%)
- At MLA, users seemed to be generally dissatisfied with NTIS service. Dissatisfied customers should write to the Office of Publication Management, NLM, providing specifics as to why they are not pleased with the NTIS service.
43. Q: *Would it be possible to stringsearch on MeSH class numbers?*
- A: No. These numbers are not in the citation record and, therefore, cannot be stringsearched.
44. Q: *What is the nature of cooperation between OCLC and NLM?*
- A: NLM is currently in the process of negotiating an agreement with OCLC.
45. Q: *Can searchers use either TELENET or TYMSHARE?*
- A: Yes, if they represent equal toll rates. Rates to NLM are nearly the same for both networks. Only those users whose nearest node is one or the other are restrained in that their line credit will be based on charges to the least expensive node of either network.
46. Q: *When exploding on MeSH terms, can users explode all terms?*

A: Not in on-line mode with one input. Users can certainly enter the multiple explodes and OR the results, but such searching represents a very high use of the computer and slows the service to other users.

47. Q: *Will 120 character, second service be available?*

A: Yes 120 cps service is available now through direct dial and at TYMSHARE or TELENET nodes in:

Boston, Mass.
Chicago, Ill.
Detroit, Mich.
Los Angeles, Calif.
New York, N.Y.
San Jose, Calif.
Washington, D.C.

Searchers who have appropriate terminals and wish to use 120 cps on a trial basis may contact MMS for instructions; NLM does not yet know the impact in computer and communication costs of 120 cps service and may establish higher rates for such service in the future.

48. Q: *What is the status of the AVSTAT file?*

A: There are no plans for establishing an AVSTAT file. For information on any AV material in process, contact NLM through MMS.

49. Q: *When will MEDLEARN be made available?*

A: Beginning in October 1976, MEDLEARN will be made available to training facilities such as Library Schools on a limited basis. Charges will be the same as that for other NLM on-line services. Details regarding MEDLEARN will be included in a future issue of the Technical Bulletin.

50. Q: *What effect will the new Biomedical Communications Network (BCN) have on NLM?*

A: The new BCN will probably have no effect on NLM.

51. Q: *What is the chance of NLM providing a Psychology subheading?*

A: Changes to 1977 MeSH have been completed. This subheading will receive fresh consideration for 1978.

52. Q: *Do searchers still need to enter @ symbols on-line to denote completed searches?*

A: @ signs should no longer be entered for CATLINE. Only searches of other on-line files which do not involve off-line prints/OFFSEARCHES require @ signs.

53. Q: *How can searchers obtain the total connect time for a terminal session without adding up the intervals between @ symbols?*

A: NLM now provides the time of the "STOP" which can be subtracted from the login time to obtain total session time.

MEDLINE TRAINEES AT THE UNIVERSITY OF TEXAS, AUGUST 16, 1976

An Advanced MEDLINE Training Class was held at the University of Texas Southwestern Medical School, Dallas, August 16 through 20, 1976. The following people attended:

Elizabeth Brown
Texas Medical Association
Austin, Texas

Sherry Pastryk
Armour Pharmaceutical Company
Kankakee, Illinois

Mary Gammage
Louisiana State University
Medical Center Library
New Orleans, Louisiana

Carol Phillips
Houston Academy of Medicine
Texas Medical Center Library
Houston, Texas

John Hunter
University of Texas
Health Science Center Library
San Antonio, Texas

Nancy Tissing
Texas Medical Association
Austin, Texas

Elaine Jones
Louisiana State University
Medical Center
Shreveport, Louisiana

Nancy Trask
University of Oklahoma
Health Science Center Library
Oklahoma City, Oklahoma

Sylvia Kyle
University Medical Center
Jackson, Mississippi

Patricia Weaver
University of Oklahoma
Health Science Center Library
Oklahoma City, Oklahoma

Paula Wykoff
University of Texas System Cancer Center
Houston, Texas

RULES FOR ALPHABETIZING CHEMICALS CONTAINING ISOMERIC TERMS
AND GREEK LETTERS IN THE 1977 MeSH

Ruth L. Stander, Chemical Specialist

Index and Medical Subject Headings Sections, NLM

It has come to our attention that indexers, searchers and the public have had difficulties at times locating terms in the Medical Subject Headings List if they contain isomeric terms such as ortho (o), meta (m) and para (p), or Greek letters. It has been our practice in the past to alphabetize terms which contain an isomeric designator under the parent compound. For example, P-AMINOAZOBENZENE was alphabetized in the A's. Likewise, O-CHLOROBENZYLIDENE MALONITRILE was alphabetized in the C's after CHLOROBENZOATES. Greek letters also were alphabetized under the parent compound if the prefix denotes positional isomerism, e.g., ALPHA-NAPHTHYLISOTHIOCYANATE was alphabetized in the N's. If the prefix does not denote positional isomerism but is an integral part of the name such as BETA GLOBULINS, the term was alphabetized under the Greek letter prefix, e.g., BETA GLOBULINS appears in the B's. Due to the large volume of chemical headings which were input in 1975, there occurred inconsistencies which could easily be corrected following the above rules. However, it has been called to our attention that there have been difficulties distinguishing between the different uses of the isomeric prefixes or Greek letters. Therefore, starting with the 1977 MeSH, the following rules will be followed:

1. Isomers

A. Positional--Ortho, Meta and Para

All terms with the prefixes ortho (o), meta (m), and para (p) will be in the system both with the full notation ortho-, meta-, and para- and with the letter designators o-, m-, and p-. The letter designator version will be the main heading and will be alphabetized under the parent compound as before, e.g., P-AMINOAZOBENZENE will continue to appear in the A's. The full notation version will be the entry term (see reference) and will be alphabetized under the prefix spelling, e.g., PARA-AMINOAZOBENZENE will appear in the P's. This will result in the following format:

P-AMINOAZOBENZENE (alphabetized at AMINO---)
X PARA-AMINOAZOBENZENE (alphabetized at PARA-)

and

PARA-AMINOAZOBENZENE (alphabetized at PARA-) see P-AMINOAZOBENZENE
(alphabetized at AMINO--)

Both the full prefix version and the letter designator version will be followed by a hyphen.

B. Stereoisomers---Dextro and Levo

It is accepted pharmacological practice to write the dextro and levo form of drugs as one word, e.g., DEXTROMETHORPHAN and LEVODOPA. We will change the dextro and levo form of drugs now in MeSH which are not written as one word to the one word style and add an entry term (see reference) for each compound with a letter designator version. For example, DEXTRO AMPHETAMINE will be changed to DEXTROAMPHETAMINE, alphabetized at D with an entry term (see reference) D-AMPHETAMINE alphabetized at A. DEXTRO-THYROXINE, already in MeSH as one word will get the entry term (see reference) D-THYROXINE alphabetized at T.

Compounds which are not drugs but which contain as a prefix the isomeric notation levo or dextro will not be written as one word. The letter designator version will be the main heading and will be alphabetized under the parent compound, e.g., D-AMINO ACID OXIDASE will appear in the A's. The full notation version will be the entry term (see reference) and will be alphabetized under the prefix spelling. This will result in the following format:

D-AMINO ACID OXIDASE (alphabetized at AMINO---)
X DEXTRO-AMINO ACID OXIDASE (alphabetized at DEXTRO-)

C. Geometric Isomers---Cis and Trans

Terms which carry the above prefixes will be alphabetized under the parent compound, e.g., TRANS-ACETYLGLUCOSAMINOSYLASE will appear in the A's. The isomeric designation will be followed by a hyphen.

2. Greek Letters

All terms with Greek letters will be found in the system under the Greek letter prefix. However, if the prefix denotes positional isomerism, the term will also appear under the parent compound. The latter form will be the main heading. This will be accomplished in most cases by translating the Greek letter prefix into a number. For example, ALPHA-NAPHTHYLISOTHIOCYANATE will be found under ALPHA- as the entry term (see reference) and under 1-NAPHTHYLISOTHIOCYANATE as the main heading. This will result in the following format:

1-NAPHTHYLISOTHIOCYANATE (alphabetized at NAPHTHYL--)
X ALPHA-NAPHTHYLISOTHIOCYANATE (alphabetized at ALPHA-)

and

ALPHA-NAPHTHYLISOTHIOCYANATE (alphabetized at ALPHA-) see
1-NAPHTHYLISOTHIOCYANATE (alphabetized at NAPHTHYL-)

There are some chemical terms for which the equivalent of a number for the Greek prefix is hardly ever seen in the literature, e.g.,

ALPHA-CHLOROHYDRIN. These terms will not be translated into numbered synonyms. They will be alphabetized under the Greek letter prefix only and the Greek letter prefix version will be the main heading. Similarly for enzymes, the Greek letter prefix will not be translated into a number unless the numbered compound is listed as a synonym in Enzyme Nomenclature, Recommendations (1972) of the International Union of Pure and Applied Chemistry and the International Union of Biochemistry. Therefore, for nearly all enzymes, the main heading will be alphabetized under the Greek letter prefix. For example, BETA-LYSINE AMINOMUTASE will be found at BETA-.

For all terms in which the Greek letter prefix denotes positional isomerism, the Greek letter will be followed by a hyphen.

If a Greek letter does not denote positional isomerism but is an integral part of the name, e.g., GAMMA GLOBULINS, the Greek letter obviously must not be translated into a number. These terms will be alphabetized following 1976 and earlier practices. In these terms, the Greek letter will not be followed by a hyphen.

If the Greek letter is found in the middle of the term, all the above rules will apply. The Greek letter will be translated into a number when chemically feasible, with the exceptions of enzymes, or will be alphabetized letter by letter if the Greek letter prefix is used. For example, CYSTATHIONINE BETA-SYNTHASE and CYSTATHIONINE GAMMA-LYASE will be alphabetized in the following format:

CYSTATHIONINE BETA-SYNTHASE
CYSTATHIONINE GAMMA-LYASE

A diligent effort has been made to locate all chemical terms in MeSH which contain isomeric terms and Greek letters and to sort them to conform to the above rules. If any have been missed, we will appreciate your calling it to our attention.

In summary, we show the resultant alphabetization, using the examples in the text above.

A

TRANS-N-ACETYLGLUCOSAMINOSYLASE
ALPHA-CHLOROHYDRIN
ALPHA-NAPHTHYLISOTHIOCYANATE see 1-NAPHTHYLISOTHIOCYANATE
D-AMINO ACID OXIDASE
P-AMINOAZOBENZENE
D-AMPHETAMINE see DEXTROAMPHETAMINE

B

BETA GLOBULINS
BETA-LYSINE AMINOMUTASE

C

O-CHLOROBENZYLIDENE MALONITRILE
CYSTATHIONINE BETA-SYNTHASE
CYSTATHIONINE GAMMA-LYASE

D

DEXTRO-AMINO ACID OXIDASE *see* D-AMINO ACID OXIDASE
DEXTROAPHETAMINE
DEXTROMETHORPHAN
DEXTROTHYROXINE
L-DOPA *see* LEVODOPA

G

GAMMA GLOBULINS

L

LEVODOPA

M

D-METHORPHAN *see* DEXTROMETHORPHAN

N

1-NAPHTHYLISOTHIOCYANATE

O

ORTHO-CHLOROBENZYLIDENE MALONITRILE *see* O-CHLOROBENZYLIDENE MALONITRILE

P

PARA-AMINOAZOBENZENE *see* P-AMINOAZOBENZENE

T

D-THYROXINE *see* DEXTROTHYROXINE

MEDLINE TRAINEES AT NLM, SEPTEMBER 13, 1976

The thirtieth NLM On-line Service (MEDLINE) Training Class was held September 13 - October 1, 1976. The following people attended:

Judith Baker
The Hahnemann Medical College and
Hospital of Philadelphia
Philadelphia, Pennsylvania

Joseph Donohue
Food and Drug Administration
Washington, D.C.

Jo Ferguson
The Cosmetic, Toiletry and
Fragrance Association, Inc.
Washington, D.C.

Margaret Hardy
Miami Valley Hospital
Dayton, Ohio

Sister Frances Healy
Providence Hospital
Washington, D.C.

Cesar Macias
National Center for Information,
Documentation and Health
Mexico City, Mexico

Vicki McMillan
Ross Laboratories
Columbus, Ohio

John Price
Veterans Administration Hospital
Brooklyn, New York

Pongsri Sangkachand
Brooklyn College of Pharmacy
Brooklyn, New York

Joseph Stoia
Kettering Medical Center
Kettering, Ohio

Jeanny Tong
University of South Dakota
Vermillion, South Dakota

Carol Wargula
Children's Hospital
Buffalo, New York

Anita Wechsler
Nassau Academy of Medicine
Garden City, New York

NEW SERIALS ANNOUNCEMENT - AUGUST 1976
 Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records and Binding Section during the month of August. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM

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|--|--|
| *BIBLIOTEKA CHIRURGIA I ANESTEZJOLOGA
1, 1976--
Panstwowy Zaklad Wydawictw
Lekarskich
Warsaw, Poland | CONSUMER HEALTH EDUCATION;
A DIRECTORY
1975--
US Department of Health
Education and Welfare
Washington, D.C. |
| BIOETHICS DIGEST
1, 1976--
Information Planning Association
Rockville, Maryland | *CURRENT BIBLIOGRAPHY OF PLASTIC AND
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4, 1976--
American Society of Plastic and
Reconstructive Surgeons
Cont of Ongoing Current Bibliog-
raphy of Plastic and Recon-
structive Surgery
Chicago, Illinois |
| BOLETIN DEL COLEGIO DE PROFESIONALES
DE LA ENFERMERIA
1, 1975--
Colegio de Profesionales de la
Enfermeria de Puerto Rico
Rio Piedras, Puerto Rico | DIAGNOSTIC RADIOLOGY
1974--
University of California,
School of Medicine
San Francisco, California |
| BULLETIN OF THE INTERNATIONAL
PEDIATRIC ASSOCIATION
1, 1975--
Ankara, Turkey | *FORUM UMWELT HYGIENE
1, 1975--
Berlin, West Germany |
| CANCER IMMUNOLOGY AND IMMUNOTHERAPY
1, 1976--
Springer Verlag
New York, New York | FOUNDATIONS OF ETHICS AND ITS
RELATIONSHIP TO SCIENCE
1, 1976--
Hastings Center
Hastings on Hudson, New York |
| CARDIOPULMONARY COMMENTARY (AUDIOTAPE)
1, 1976--
American College of Chest
Physicians
Chicago, Illinois | FUND SOURCES IN HEALTH AND ALLIED
FIELDS
1, 1976--
Oryx Press
Scottsdale, Arizona |
| *CHEMICAL INFORMATION BULLETIN
28, 1976--
American Chemical Society
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Philadelphia, Pennsylvania | |

- *GACETA NEURO-PSIQUIATRICA
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- *GRUPPENPRAXIS
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- *IMMUNOLOGIA POLSKA
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Przyjaciel Nauk
Supersedes Annals of Immunology
Poznan, Poland
- *INDIAN JOURNAL OF CHEST DISEASES
AND ALLIED SCIENCES
18, 1976--
Indian Association for Chest
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Cont of Indian Journal of
Chest Diseases
Delhi, India
- *INTERDISCIPLINARY SCIENCE REVIEWS
1, 1976--
Heyden and Son
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- *JOURNAL OF THE ASSOCIATION FOR THE
CARE OF CHILDREN IN HOSPITALS
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Thorofare, New Jersey
- JOURNAL OF BLINDNESS AND VISUAL
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- *MEDECINE ET NUTRITION
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- *MEYCLERS SIDE EFFECTS OF DRUGS
8, 1972/75--
Excerpta Medica Foundation
Cont of Side Effect of Drugs
Amsterdam, Netherlands
- NATIONAL CONFERENCE - AUSTRALIAN
INSTITUTE OF HEALTH SURVEYORS
1, 1974--
Thomas W Williams
Melbourne, Australia
- NEW DIMENSIONS IN MENTAL HEALTH
1, 1976--
US National Institute of
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Rockville, Maryland
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Faculdade de Medicina de
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Sao Paulo, Brazil
- *PNEUMONOLOGIA HUNGARICA
29, 1976--
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Tudobetegsegek
Budapest, Hungary
- *POSTGRADUATE AUDIO-CASSETTE LIBRARY
1, 1974--
Ayerst Laboratories
New York, New York
- PROGRESS IN DRUG METABOLISM
1, 1976--
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New York, New York
- PROGRESS IN NEURO-PSYCHOPHARMACOLOGY
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New York, New York

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TREATMENT

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New York, New York

RADIOLOGICAL QUALITY OF THE
ENVIRONMENT

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US Environmental Protection
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Washington, D.C.

REVUE MEDITERRANEENNE DES SCIENCES
MEDICALES

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Nice, France

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1, 1976
Highly Specialized Promotions
Brooklyn, New York

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1, 1976--
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1, 1976--
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VICTIMOLOGY

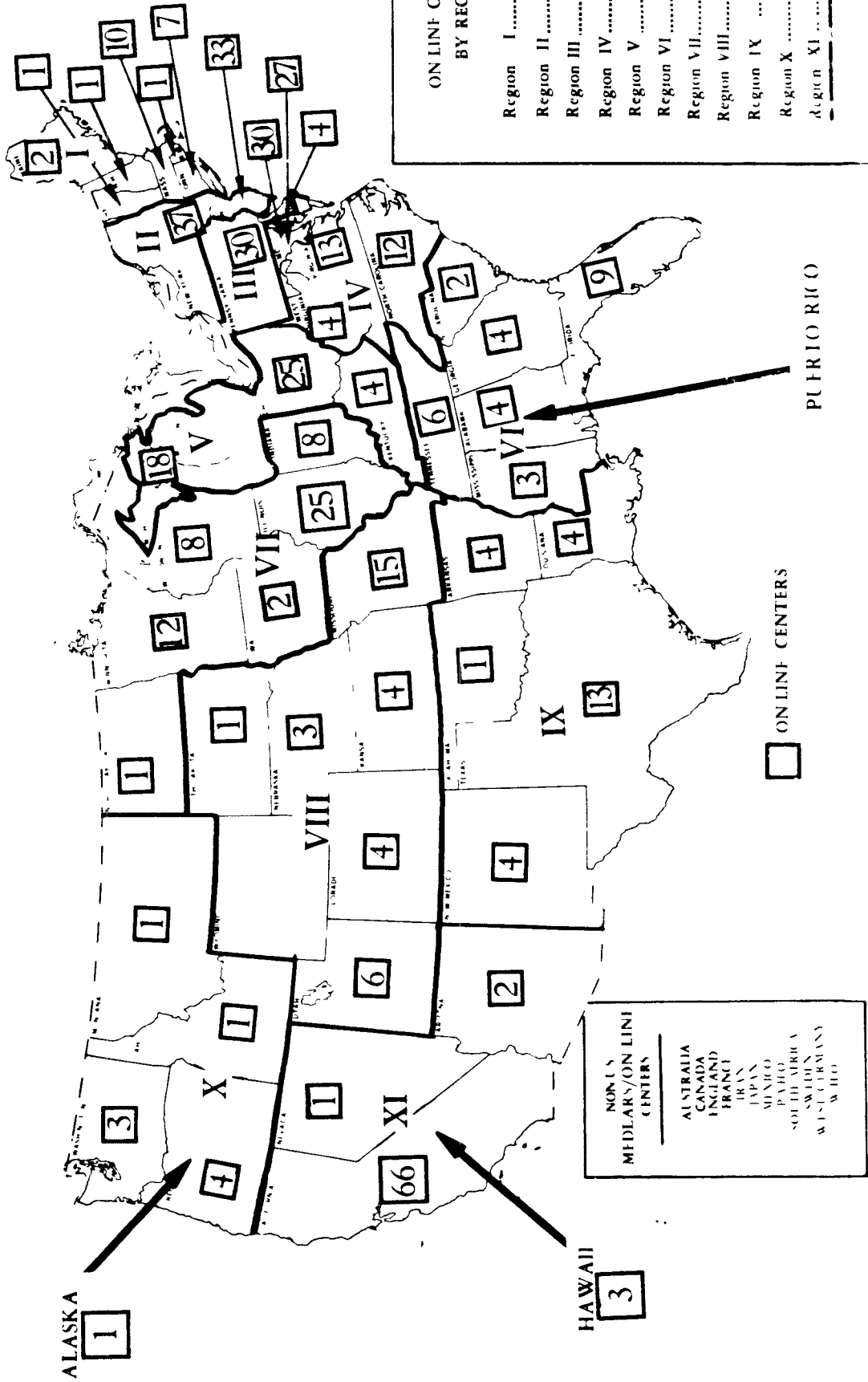
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Allgemeinmedizin
Stuttgart, West Germany

ON-LINE CENTERS IN THE UNITED STATES

JULY 1976





LIBRARY NETWORK/MEDLARS
technical bulletin

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Office of the Associate Director for Library Operations
National Library of Medicine

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

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INDEX MEDICUS, March 1976 - errata	Mar 76	83-	3
MEDLARS INDEXING MANUAL, 2d Edition, 1976	Jul 76	87-	8
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claiming information (NTIS only)	Mar 76	83-	3
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ON-LINE SERVICES REFERENCE MANUAL, March 1976, update and index	Jun 76	86- 4
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RANGING ON CITATION NUMBER, discontinued	Aug 76	88- 5
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CANCERLINE, entry date field added	Sep 76	89- 3
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SPELLING, English variants and textword searching	May 76	85- 5
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STORESEARCH		
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CA: Marina del Ray	Jun 76	86- 3
San Carlos	May 76	85- 2
San Diego	Apr 76	84- 5
San Jose	Jun 76	86- 3
San Pedro	Jun 76	86- 3
Santa Ana	May 76	85- 2
Santa Ana	Aug 76	88- 3

TELENET NODES - ADDITIONS/CHANGES/DELETIONS (contd)

CO	Denver	May 76	85- 2
CT	Hartford	Jul 76	87- 2
	New Haven	Jul 76	87- 2
	Stamford	Aug 76	88- 3
IL	Chicago	May 76	85- 2
IN	Indianapolis	Jun 76	86- 3
IA	Des Moines	Jun 76	86- 3
MD	Baltimore	May 76	85- 2
MI	Ann Arbor	Jul 76	87- 2
	Dearborn	Jul 76	87- 2
	Hemphstead	Aug 76	88- 3
	Rochester	Jul 76	87- 2
	White Plains	Jul 76	87- 2
OH	Cincinnati	Apr 76	84- 5
	Columbus	Jun 76	86- 3
	Columbus	Jul 76	87- 2
ON	Ottawa	Apr 76	84- 5
	Toronto	Apr 76	84- 5
OR	Portland	May 76	85- 2
OU	Montreal	Apr 76	84- 5
UT	Salt Lake City	Jun 76	86- 3
WI	Milwaukee	Apr 76	84- 5
WA	Seattle	May 76	85- 2
TELEPHONE NUMBERS (phones list)		May 76	85-11
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new		Sep 76	89- 5
phones list		May 76	85-11
TELEPHONE NUMBERS, IN-WATS		Mar 76	83- 4
TELEPHONE NUMBERS, TELENET (phones list)		May 76	85-11
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OFFSEARCH processing		Jun 76	86- 5
TOXLINE training, 6th day of advanced MEDLINE			
training		Jun 76	86- 5
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MEDLINE, advanced, 6th day for TOXLINE		Jun 76	86- 2
MEDLINE, advanced, experiment in Region VII		Jan 76	81-12
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MEDLINE trainees at NLM, March 8, 1976		Mar 76	83-14
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MEDLINE trainees at NLM, July 12, 1976		Aug 76	88- 8
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TOXLINE, 6th day of advanced MEDLINE class	Jun 76	86- 2
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TROUBLE, IN-WATS telephone number	Mar 76	83- 4
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ALB: Calgary	Apr 76	84- 3
Edmonton	Apr 76	84- 3
BC: Vancouver	Apr 76	84- 3
CA: Cupertino	Sep 76	89- 2
Los Angeles	Feb 76	82- 3
San Francisco	Jan 76	81- 4
San Francisco	Mar 76	83- 2
San Francisco	Aug 76	88- 3
FL: Miami	Apr 76	84- 3
HI: Honolulu	Feb 76	82- 3
MD: Annapolis	Sep 76	89- 2
MI: Ann Arbor	Feb 76	82- 3
Ann Arbor	Aug 76	88- 3
Detroit	Jun 76	86- 2
Kalamazoo	Jan 76	81- 4
NJ: Union	Apr 76	84- 3
NY: New York	Jan 76	81- 4
New York	Feb 76	82- 3
New York	Aug 76	88- 3
OH: Akron	May 76	85- 3
Akron	Aug 76	88- 3
Cincinnati	Feb 76	82- 3
Cleveland	Feb 76	82- 3
Cleveland	May 76	85- 3
OK: Tulsa	Sep 76	89- 2
ONT: Toronto	Mar 76	83- 2
Toronto	Apr 76	84- 3
PA: Allentown	Aug 76	88- 3
Pittsburgh	May 76	85- 3
SC: West Columbia	Feb 76	82- 3
TN: Memphis	Aug 76	88- 3
TX: Austin	May 76	85- 3
Austin	Jun 76	86- 2
Houston	Mar 76	83- 2
UT: Salt Lake City	May 76	85- 3
WI: Madison	Mar 76	83- 2

UCLA			
	MEDLINE trainees, January 28, 1976	Feb 76	82-11
	MEDLINE trainees, March 15, 1976	Apr 76	84- 5
	MEDLINE trainees, May 3, 1976	May 76	85- 4
	MEDLINE trainees, July 28, 1976	Aug 76	88- 5
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	MEDLINE trainees, August 16, 1976	Sep 76	89-13
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of the

Library Component of the Biomedical Communications Network

OCTOBER 1976

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LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
of the
Library Component of the Biomedical
Communications Network

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The LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
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JOURNAL CITATION DATA BASES

MEDLINE and SDILINE at NLM and SUNY were updated with November 1976 citations on October 11. The sizes, Index Medicus date ranges, and entry dates are given below:

MEDLINE (Jan 74 - Nov 76)	- 699,180
(Entry dates: 731130 to 761002)	
SDILINE (November 76)	- 21,151
(Entry dates: 760925 to 761002)	

ON-LINE TECHNICAL NOTES

PLEASE QUERY THE NLM/ON-LINE NEWS FILES DAILY FOR SPECIAL NOTICES AND MESSAGES

Whenever applicable, in the margin beside each Technical Note, users will be referred to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that in many instances the item may also pertain to other sections of the Manual.

YEAR-END
PROCESSING

During November and December, NLM will undergo its annual year-end processing. All citation files will be maintained to reflect the 1977 vocabulary and all 1974 citations will be retired from MEDLINE to BACK72. Centers who have stored searches must review all searches and make appropriate changes to reflect the '77 vocabulary. This updating must be completed by December 20 when the Automatic SDI's will be processed against the January 77 SDILINE. Between November 15 and December 3, stored searches will be executable on-line to aid in this updating. Note: NLM recommends that terms, not tree numbers, be used when exploding in stored searches to reduce the impact of changed tree numbers each year. If the term appears in more than one tree, the default is to all trees.

The November issue of the Bulletin, which we expect to distribute by November 15, will contain lists of new terms, deleted terms and terms whose tree numbers were

changed. Copies of the '77 Annotated MeSH and Tree Structures are available through NTIS as previously announced.

Following is the update schedule NLM expects to follow:

<u>Date</u>	<u>Place</u>	<u>File Changes</u>
Nov 1,2 or 3	NLM	- MEDLINE (Jan 74-Dec 76) with '76 terms
Nov 8	NLM	- SDILINE (Dec 76) with '76 terms
Nov 15	SUNY	- SDILINE (Dec 76) with '76 terms - MEDLINE (Jan 74-Dec 76) with '76 terms
Nov 15	NLM	- 1977 MeSH vocabulary ("FILE NEW MESH) Note: 1976 MeSH vocabulary ("FILE MESH) will be available until mid-February for use with CATLINE. - SDILINE (Dec 76) with '77 terms - MEDLINE (Jan 75-Dec 76) with '77 terms containing all BMR citations (reviews) - BACK72 (Jan 72-Dec 74) with '76 terms - Stored searches executable on-line until Dec 3 for testing '77 MeSH term changes
Dec 20	NLM & SUNY	- SDILINE (Jan 77) - MEDLINE (Jan 75-Jan 77) - BACK72 (Jan 72-Dec 74) - BACK69 (Jan 69-Dec 71) - BACK66 (Jan 66-Dec 68) } all with '77 terms

* In lieu of a separate on-line file, reviews from all backfiles will be included in MEDLINE as well as the appropriate backfile. If all files are being searched, one must remember to negate reviews from the backfile searches to avoid duplicate retrieval.

All automatic SDI's will be processed against the Dec 76 SDILINE by November 12th since that is the last day the December 76 SDILINE will be available at NLM with '76 terms. After that date, all searches, including SDI's, formulated with '76 terms will have to be processed at SUNY by the Center. Updating with '77 terms of all automatic SDI's must be completed by December 20.

Backfiles with '77 terms will be made available as file maintenance is completed. All files will be available with '77 terms by December 20. Announcement of availability will be made in the on-line News file.

Text words will be corrected during file maintenance and all commas, periods, etc. will be deleted from the current MEDLINE file only.

@ SIGNS
(Manual III-28)

As noted in the September 1976 issue of the Technical Bulletin (page 12), @ signs should no longer be entered for CATLINE searches. @ signs should still be entered for all other on-line file searches which do not involve off-line prints or OFFSEARCHES, even though the system will no longer prompt for these at logoff as of November 1. If you wish to determine elapsed time for searches involving off-line prints or OFFSEARCHES, you should enter @\ . The system will not count @ signs if they are followed by the correction symbol (\).

HOURS OF SERVICE,
SATURDAYS

During October 1976, the NLM computer was made available on a trial basis from noon to 4:00 p.m. (Eastern Time) at non-prime time rates in order to ascertain if there was a need for Saturday service.

Hours of on-line time used on Saturdays is as follows:

October 2 - 25 hours
October 9 - 17 hours
October 16 - 22 hours
October 23 - 35 hours
October 30 - 22 hours

THEREFORE, NLM WILL NOT CONTINUE SATURDAY HOURS.

NTIS
PUBLICATIONS,
MICROFICHE

The price for microfiche copies of all MEDLARS tools available from the National Technical Information Service (NTIS) is now \$3.00. The microfiche size is 20X.

TYMSHARE NUMBERS
(Manual II-9)New Numbers:

Montreal, CN	514/878-0584 (30cps)
"	514/878-0589 (15cps)
"	514/878-0588 (10cps)

Changed Numbers:

The Calgary (30cps) number in Canada, 403/263-0487, has been changed to 403/263-7301.

The Washington, D.C. number, 703/521-6520, has been changed to 703/841-0200.

TELENET NUMBERS
(Manual II)New Number:

Long Beach, CA	213/549-5150
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TROUBLE CALLS,
PROCEDURE

Reminder: The procedure for reporting telecommunications, computer and data base problems, etc. is as follows: Between the hours of 8:30 a.m. and 5:00 p.m. (Eastern Time), Monday thru Friday, all trouble calls for both the NLM and SUNY system should be directed to MEDLARS Management Section (800/638-8480, 301/496-6193). Calls regarding the operating status of either system during other times should be directed to the NLM Computer room (301/496-2734). If there is a SUNY computer problem, the NLM computer operator will communicate with SUNY.

Note: The NLM computer operator should only be called if you feel that there may be a computer operating problem. Calls relating to off-line prints not received, searching techniques, demonstration code requests, etc., should be directed to MEDLARS Management Section, the next official workday.

MEDICAL SUBJECT
HEADINGS: TREE
ANNOTATIONS, 1977
(Manual IV-11)

A new publication, MEDICAL SUBJECT HEADINGS: TREE ANNOTATIONS is now available for purchase from the National Technical Information Service (NTIS). The TREE ANNOTATIONS is meant to be the companion to MEDICAL SUBJECT HEADINGS ANNOTATED ALPHABETICAL LIST, familiarly called the "Annotated MeSH."

The Annotated MeSH notes pertinent information on an individual term, aiming at a synthesis of indexing scope and policy concerning it. The TREE ANNOTATIONS have a two-fold purpose: first, to give a general statement on the approach an indexer or searcher should pursue to a given tree, and second, to advise him of special features within that tree that he should be aware of before indexing or searching.

Each tree carries a list of subheadings (qualifiers) available for use with terms in that tree, and most trees carry a repeated admonition to avoid general terms and to prefer specifics. The trees thus reflect the same policies in indexing: use only those subheadings available to a given term and always prefer a specific to a general descriptor in indexing a concept.

The indexers and searchers may want to dismantle their TREE ANNOTATIONS and to insert each page opposite the first page of the corresponding tree.

Below is the necessary order information:

<u>Accession No.</u>	<u>Title</u>	<u>Price</u>
PB-257-939	Medical Subject Headings: Tree Annotations, 1977	\$5.50
	Microfiche	\$3.00

SEARCHING ON JOURNAL TITLE CODES

Clifford A. Bachrach, M.D.

Head, Medical Subject Headings Section, NLM

Until now the MEDLINE searcher has been able to input Journal Title Codes as part of a search statement in the same way that he inputs MeSH descriptors. For example, to obtain citations on mercury poisoning from the journal Toxicology and Applied Pharmacology, he merely inputs:

MERCURY POISONING AND VWO

It has been found that several of the Journal Title Codes conflict with some of the acceptable three-letter MeSH descriptors or entry versions. This creates confusion and leads to unanticipated retrievals -- particularly in off-searches. To rectify the situation, the ELHILL program will be modified so that searching by Journal Title Codes will require the explicit use of the field identifier (JC). Thus, the search statement above will become:

MERCURY POISONING AND VWO (JC)

This change will be effective on November 1, 1976. Any person having a stored search that includes Journal Title Codes should modify his search strategy accordingly.

A CLARIFICATION OF THE PURPOSE OF THE
ELEMENTS COMMAND WHEN SEARCHING MEDLINE

William H. Caldwell
Chief, Bibliographic Services Division, NLM

Many MEDLINE analysts have expressed their lack of understanding of the purpose and use of the "ELEMENTS command. In retrospect, the Technical Note (see Library Network/MEDLARS Technical Bulletin, November 1975) which explained this feature could use some clarification.

When searching MEDLINE, any search term input is presumed to be some searchable data element other than a Text Word (TW) or a Journal Title Abbreviation (TA). Therefore, the input term is validated against the list of MeSH Headings (MH), Subheadings (SH), Authors (AU), Languages (LA), Entry Dates (ED), Journal Title Codes (JC), etc., etc., which are directly searchable - - BUT NOT AGAINST TEXT WORDS (TW) or JOURNAL TITLE ABBREVIATIONS (TA)*. This mechanism prevents the appearance of multi-meaning messages due to the presence of an identical MeSH Heading and Text Word (of which there are many), or an identical MeSH Heading and Journal Title Abbreviation (of which there are a few, like BLOOD).

There are occasions, of course, when the ability to search on Text Words is useful. This may be done in either of two ways:

1) By entering the desired Text Word and qualifying it by the addition of (TW), as in:

```
SS 6 /C?  
USER:  
5 AND BENIGN (TW)
```

This method requires that each search term input must be qualified with a (TW) if you wish it to be searched as a Text Word. Or, an entire line of several terms may be preceded by a (TW), as in:

```
(TW) PRIMARY OR ALL EARL: OR INITIAL
```

2) By issuing an "ELEMENTS command. The previous Technical Note lists each version of this command. Their purpose is to enable the searcher to either add Text Words and/or Journal Title Abbreviations to the list of data elements which will be searched, or to specify those types of terms which you wished searched (similar in principle to a tailored print command). Thus, by using "ELEMENTS APPLY TW, AU", for example, all terms input will be validated against only Text Words and Authors. Using this method, any term(s) which you wish searched as a MeSH Heading would have to be qualified with (MH).

There is little practical need for most MEDLINE analysts to use the "ELEMENTS command, and our computer usage reports indicate that most searchers prefer to search MeSH Headings. For the occasional search requiring that Text Words be searched, they may simply be incorporated into the search statement with the qualifier (TW).

*As of November 1, (JC) will also be added to this list of exceptions. See page 6.

After a welcome and statement of appreciation by Mr. William Caldwell, Chief, Bibliographic Services Division, Mr. Jablonski opened the orientation with a talk on the landmarks in the development of MEDLARS, starting with MEDLARS I in 1963 and proceeding through the achievements to the present under MEDLARS II. He presented slides showing the impact of the various developments on the statistical progressions through the years.

As annually, we presented a discussion of the new 1977 MeSH descriptors arranged by category and commented on with helpful hints to indexers. Additional features of the 1977 Annotated MeSH were emphasized, e.g., the annotations of 78 new NON MESH terms for searchers only and the wholesale annotation of chemical function groups with their clinical targets (i.e., ANTIFUNGAL AGENTS annotated to read "consider also FUNGI/drug eff & MYCOSES/drug ther or pertinent specifics"). The new "Tree Annotations" were introduced. These are tree counterparts of Alphabetic MeSH annotations: each tree has been annotated with helpful hints to indexers and searchers on the approach to indexing or searching terms in a given tree. There are 107 annotated trees. The Tree Annotations are available through NTIS as Publication No. PB-257-939.

For those who are statistics-prone, here are some figures: the 1977 MeSH now contains 9,603 major descriptors and 3,474 minor descriptors; 401 terms are new for 1977 and of these 245 are chemicals; 700 annotations were added and 1,937 were changed to conform to MeSH additions and changes; of a total of 13,656 MeSH descriptors (this includes check tags, NON MESH terms and geographicals), 12,206 have been annotated.

Devoted as Index Section is to the benefits of continuity, it tries to institute changes only when necessary. Toward that end, for the first time in 17 years the policy on RADIATION EFFECTS has been changed. Since 35 or more columns of RADIATION EFFECTS each cumulation tend to overwhelm the INDEX MEDICUS users, we are discontinuing the practice of making IM RADIATION EFFECTS the only exception to the ban against indexing main heading/subheading correspondents. Effective in 1977 an article on the effect of radiations on the pancreas will be indexed under PANCREAS/radiation effects but not also RADIATION EFFECTS as in the past. Since a searcher can garner all articles on radiation effects (if indeed she ever needs them) by searching on RE, the overwhelming duplication in INDEX MEDICUS is no longer necessary.

Another change toward decreasing the volume of INDEX MEDICUS bonuses while still preserving search exactitude is reflected in the handling of the clinical aspects of infections caused by MeSH organisms not assigned a pre-coordinated infection heading. That is, while MeSH gives you SALMONELLA and SALMONELLA INFECTIONS and STREPTOCOCCUS and STREPTOCOCCAL INFECTIONS, it does not give you less common pairs: it gives MORAXELLA but not also "Moraxella Infections", ERWINIA but not also "Erwinia Infections." In such cases, only the infection concept will appear in INDEX MEDICUS but the identifying organism will be stored for search specificity:

1976: Moraxella infections: MORAXELLA (IM)
BACTERIAL INFECTIONS (IM)

1977: BACTERIAL INFECTIONS (IM)
MORAXELLA (NIM)

1976: Drug therapy of Moraxella infections:

MORAXELLA (IM)
BACTERIAL INFECTIONS / drug therapy (IM)

1977: BACTERIAL INFECTIONS / drug therapy (IM)
MORAXELLA (NIM)

Although it is easy enough to remember this as a principle, I have fully annotated the 1977 MeSH under most organisms conceivably pathogenic to give the indexer and the searcher the IM/NIM directions and the correct IM infection term:

CLADOSPORIUM

infection: coord NIM with probably MYCOSES or TINEA

ELECTROLYTES will now be used more widely as IM in order to cut down on the growing volume of specifics in INDEX MEDICUS such as SODIUM (IM) + POTASSIUM (IM) + CHLORIDES (IM) + BICARBONATES (IM) ad infinitum in electrolyte studies.

As you can see the above minor changes are in the direction of making INDEX MEDICUS, steadily growing volumminously, more meaningful.

Starting with 1977 /diagnostic use will be used with radioactive elements when the radioisotope is merely a label or a tracer. Formerly its use was more complicated and more restrictive.

The only other indexing change has been in the interests of bibliothecal integrity. The rubrics "editorial", "letter", "clinical conference" and "proceedings" will now appear at the end of the author's formal title in brackets instead of at the beginning:

1976: Letter: Birth control

1977: Birth control [letter]

MeSH did not introduce any new subheadings for 1977 but at the indexers' request we were given new good uses for two old ones: /surgery with animals in Category B2 (CATTLE / surgery, DOGS / surgery, etc.) for popular use with veterinary animals; and /ultrastructure with Category C4 (neoplasms) for use with neoplastic tissue: OVARIAN NEOPLASMS / ultrastructure; HEMANGIOMA / ultrastructure.

Many new data form abbreviations were assigned at the request of indexers for both indexers and searchers. In addition to several hundred available in the form of entry terms for long chemical names (DCI see DICHLOROISOPROTERENOL), we can now use CPDS for any MeSH term containing the word COMPOUNDS: ALKYL MERCURY CPDS for ALKYL MERCURY COMPOUNDS.

These also are available:

CCL4
CCL4 POIS

ECC
EEG

the hemoglobins HBA HBE HBH HBM
HBC HBF HBJ HBS

INFANT LBW (INFANT, LOW BIRTH WEIGHT)
INFANT SGA (INFANT, SMALL FOR GESTATIONAL AGE)

IUD
IUD EXPULSION
IUD MEDICATED

LABOR COMPL
POSTOP COMPL

MAO

PRS scales: FERGUS FALK MINNESOTA HARTFORD
KATZ ADJUSTMENT OVERALL GORHAM
MACC SCALE SPITZER
MALMUD SANDS

UNPRINTED MESH ANNOTATIONS

Thelma Charen
Index Section, NLM

The concepts below were sent to MeSH during 1976 as possible bases for 1977 cross-references. It was not possible to include the following for 1977 but most of them will be included in 1978. The list below was given to the indexers at the 1977 Indexing Orientation. Indexers were asked to annotate their own MeSHes in any way they preferred, in order to gain access to the desired concept.

Each of the terms on the right has been annotated in the ANNOTATED MeSH with the information from the column on the left. The indexer and searcher, unfortunately, will have to supply for themselves in their own way, the correct adit to the MeSH term.

depot preparations
EMI scanning
hemolytic streptococci

heterocyclic N-oxides
heterocyclic P-oxides
heterocyclic S-oxides
intracapsular lenses
intraocular lenses
lingual goiter
liver fibrosis

DELAYED-ACTION PREPARATIONS
TOMOGRAPHY, COMPUTERIZED AXIAL
STREPTOCOCCUS but read neighboring
entries
CYCLIC N-OXIDES
CYCLIC P-OXIDES
CYCLIC S-OXIDES
LENSES + PROSTHESIS
LENSES + PROSTHESIS
GOITER
LIVER CIRRHOSIS

pentose pathway
 pneumococcal pneumonia
 rubella, rubeola

 shunting procedure in obesity
 SMON (= Subacute Myelo-
 Optic Neuropathy)
 stomatology
 stomatological diseases
 transcendental meditation
 unplanned pregnancy
 yogurt

PENTOSEPHOSPHATES/metab
 PNEUMONIA, LOBAR
 annotated for French, Italian &
 Spanish words for both
 OBESITY/therapy, not /surgery
 OPTIC NEURITIS + MYELITIS + SYNDROME

 DENTISTRY
 MOUTH DISEASES
 RELAXATION TECHNIQS
 PREGNANCY (not PREGNANCY, UNWANTED)
 DAIRY PRODUCTS

NOTE:

hamster, black-bellied
 hamster, Chinese
 hamster, common
 hamster, golden
 hamster, Syrian

CRICETUS
 HAMSTERS
 CRICETUS
 MESOCRICETUS
 MESOCRICETUS

True deletions by MeSH (i.e., not mapped):

IODINE ISOTOPES, DIAGNOSTIC
 KIMMELSTIEL-WILSON SYNDROME
 MYXOVIRUS INFECTIONS
 NEURAL INTERCONNECTIONS
 SNOWBLINDNESS
 TABARDILLO
 VENTRICULOGRAPHY

index as IODINE RADIOISOTOPES
 /diag use
 index as DIABETIC NEPHROPATHIES
 index as ORTHOMYXOVIRUS INFECTIONS
 index as NEURAL PATHWAYS
 index as VISION DISORDERS
 index as TYPHUS, EPIDEMIC LOUSE-BORNE
 index as VENTRICULOGRAPHY, CEREBRAL

Please note also that although the ANNOTATED MeSH allows only /drug effects and /radiation effects with the receptor terms on pages 482 and 483 of the 1977 edition, the following are permitted in addition (the change came too late for printing):

/analysis /isolation & purification
 /biosynthesis metabolism
 /physiology

The 1977 annotation should read and the 1978 will read:

/anal /biosyn /drug eff /isol /metab /physiol
 /rad eff permitted

NEW SERIALS ANNOUNCEMENT - SEPTEMBER 1976
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section during the month of September. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM.

- | | |
|---|--|
| ADVANCES IN BEHAVIOUR RESEARCH
AND THERAPY
1, 1977--
Pergamon Press
Oxford, England | DEVELOPMENTAL AND COMPARATIVE
IMMUNOLOGY
1, 1977--
Pergamon Press
Oxford, England |
| *ARS MEDICA
1, 1973--
JMS Editores Associados
Santos, Brazil | EVALUATION STUDIES REVIEW ANNUAL
1, 1976--
Sage Publications
Beverly Hills, California |
| BASAL FACTS
1, 1976--
American Academy for Functional
Prosthodontics
Chicago, Illinois | HOSPITAL PEER REVIEW
1, 1976--
Radnor, Pennsylvania |
| COMPREHENSIVE BIBLIOGRAPHY ON HEALTH
MAINTENANCE ORGANIZATIONS
1970/73--
Medical Group Management
Association
Denver, Colorado | *INDIAN JOURNAL OF CHEMISTRY SECTION A.
INORGANIC PHYSICAL THEORETICAL AND
ANALYTICAL
14A, 1976--
Cont in Part of Indian Journal of
Chemistry
Council of Scientific and
Industrial Research
New Delhi, India |
| CONSCIOUSNESS AND SELF-REGULATION
1, 1976--
Plenum
New York, New York | *INDIAN JOURNAL OF CHEMISTRY SECTION B.
ORGANIC INCLUDING MEDICINAL
14, 1976--
Cont in Part of Indian Journal of
Chemistry
Council of Scientific and
Industrial Research
New Delhi, India |
| *CRC HANDBOOK OF ENGINEERING IN
MEDICINE AND BIOLOGY
(1), 1976--
CRC Press
Cleveland, Ohio | INFORMATION TECHNOLOGY AND HUMAN
CONCERN
1, 1977--
Pergamon Press
Oxford, England |
| CULTURE MEDICINE AND PSYCHIATRY
1, 1977--
D Reidel Publishing Co
Hingham, Massachusetts | |

***INTERCIENCIA**

1, 1976--
Interciencia Association
Caracas, Venezuela

**JORNADAS INTERNACIONALES DE
ANESTESIOLOGIA-REANIMACION**

1, 1973--
Instituto Nacional de Prevision
Madrid, Spain

JOURNAL OF BIOENGINEERING

1, 1977--
American Society of Mechanical
Engineers
New York, New York

**JOURNAL OF SUPRAMOLECULAR STRUCTURE.
SUPPLEMENT**

1, 1976--
Alan R Liss
New York, New York

***KAYNAKCA**

1, 1976--
Aylik Bilimsel Yazilar Dizini
Ankara, Turkey

MEDIKA

1, 1975--
Gabungan Perusahaan Farmasi
Indonesia
Jakarta, Indonesia

***MINORITY AGING**

1, 1973--
University Press
San Diego, California

***MOLEKULIARNAIA FIZIKA I BIOFIZIKA**

1, 1973--
Supersedes Struktura i Rolvody
v Zhivom Organizme
Leningrad Universitet
Leningrad, USSR

***NINCDS MONOGRAPH**

15, 1975--
Cont of NINDS Monograph
US Department of Health
Education and Welfare
Bethesda, Maryland

ODONTOLOGO MODERNO

1, 1974--
Servicos de Publicacoes
Especializadas LTDA.
Sao Paulo, Brazil

PERINATAL MEDICINE

1, 1976--
C B Mosby Co
St. Louis, Missouri

**PERSONALITY AND SOCIAL PSYCHOLOGY
BULLETIN**

1, 1974--
Society for Personality and
Social Psychology
St. Louis, Missouri

***PRIMARY CARDIOLOGY**

1, 1975--
PW Communications
New York, New York

PSYCHIATRY AND THE HUMANITIES

1, 1976--
Yale University Press
New Haven, Connecticut

***RECENT ADVANCES IN BLOOD COAGULATION**

(1), 1969--
Churchill Livingstone
Edinburgh, Scotland

RECENT ADVANCES IN CLINICAL VIROLOGY

1, 1977--
Churchill Livingstone
Edinburgh, Scotland

**RESEARCH MONOGRAPHS IN CELL AND
TISSUE PHYSIOLOGY**

1, 1976--
North Holland Publishing Co.
Amsterdam, Netherlands

**RESEARCH MONOGRAPHS IN CELL AND
TISSUE PHYSIOLOGY**

1, 1976--
North Holland Publishing Co
Amsterdam, Netherlands

REVISTA BAIANA DE SAUDE PUBLICA
1, 1974--
Bahia. Secretaria de Saude
do Estado
Salvador, Brazil

*REVISTA CENTROAMERICANA DE
NUTRICION Y CIENCIAS DE ALIMENTOS
1, 1976--
Instituto de Nutricion de Centro
America y Panama
Guatemala City, Guatemala

*TOKAI JOURNAL OF EXPERIMENTAL AND
CLINICAL MEDICINE
1, 1976--
Tokai Medical Association
Tokai University School of Medicine
Tokyo, Japan

TSURUMI UNIVERSITY DENTAL JOURNAL
1, 1975--
Tsurumi Daigaku Shigakkai
Yokohama, Japan

*WHO REGIONAL PUBLICATIONS, EUROPEAN
SERIES
1, 1976--
World Health Organization
Copenhagen, Denmark

YEAR IN METABOLISM
1976--
Plenum
New York, New York



LIBRARY NETWORK / MEDLARS TECHNICAL BULLETIN

of the

Library Component of the Biomedical Communications Network

NOVEMBER 1976

No. 91

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
of the
Library Component of the Biomedical
Communications Network

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The LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
is issued monthly by the Office of the
Associate Director for Library Operations.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with
December 1976 citations as follows:

MEDLINE at NLM ----- Nov 3

SDILINE at NLM ----- Nov 8

MEDLINE & SDILINE at SUNY - Nov 15

The sizes, Index Medicus date ranges,
and entry dates are given below:

MEDLINE (Jan 74 - Dec 76) - 724,106

(Entry Dates: 731130 to 761101)

SDILINE (December 76) - 25,351

(Entry Dates: 761020 to 761101)

ON-LINE TECHNICAL NOTES

PLEASE QUERY THE NLM/ON-LINE NEWS FILES DAILY FOR SPECIAL NOTICES AND MESSAGES

Whenever applicable, in the margin beside each Technical Note, users will be referred to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual 11-9). Users should keep in mind that in many instances the item may also pertain to other sections of the Manual.

1977 MeSH

Included in this issue as appendices are 4 lists denoting
1977 MeSH changes:

Appendix A - new headings

Appendix B - deleted headings

Appendix C - headings with tree number changes

Appendix D - new headings with scope notes

These lists were compiled as aids in updating stored searches, especially those processed as automatic SDI's. The annotations used in these lists are explained in the preface to each list.

NOTE: To incorporate changes in any stored search, the search must be purged one day and re-entered the following day or later.

OFF-LINE PRINT
COMMAND, FORMAT
(Manual III-33)

When the searcher is entering a "PRINT OFF-LINE command, he now has the option of entering the word OFF-LINE with or without the hyphen. For example:

"PRINT OFF-LINE or "PRINT OFFLINE

If the hyphen is not used, there cannot be a space in the middle of the word OFFLINE.

NEIGHBOR
COMMAND ("NBR),
MISSING TERMS
(Manual III-42)

When a "NEIGHBOR command is executed, the program will find search terms that are alphabetically identical and/or adjacent to the specified term or string of characters which are entered in conjunction with the command. The searcher should keep in mind that when using this command to browse for alphabetically related search terms, he will not see all possible search terms for all files since only those terms which have postings in the file to which he is connected will be listed. If for instance the searcher is working with the SDILINE file to formulate a search to be run against other files in OFFSEARCH, there may be many more alphabetically related terms in other files.

CANCERLINE
ENTRY DATE
SEARCHING
(Manual XV)

Until further notice, to search Entry Dates (ED) in CANCERLINE the user must enter the year and month followed by the colon. For example:

7607: (ED)

TYMSHARE NUMBERS
(Manual II-9)

New Number:

Birmingham, Alabama 205/942-4141 (Correspondence Code)

CANCERPROJ,
FREE USE - DEC 76
(Manual XVIII)

To encourage users of CANCERPROJ to become more familiar with the file, the National Cancer Institute will absorb connect time charges for all users of CANCERPROJ during December 1976. Users accessing CANCERPROJ during December will pay for pages generated off-line.

MEDLEARN

Effective November 1, 1976, all MEDLINE subscribers will have access to the computer assisted instruction (CAI) course *MEDLEARN*. This CAI course is designed to teach users how to search the NLM's bibliographic retrieval system. Track A of *MEDLEARN* is intended for new searchers and is centered around the MEDLINE data base. Additional tracks are not yet available. Charges for

using *MEDLEARN* are the same as those for using other on-line files (i.e., \$15/prime-time, \$8/non prime time). *MEDLEARN* may be accessed, on the NLM computer only, prior to 9:00 a.m., from 11:00 a.m. to 2:00 p.m., and after 6:00 p.m. (Eastern Time). The computer will limit the number of simultaneous users and therefore *MEDLEARN* may not always be accessible during these time periods. *MEDLEARN* may generally be used until 10:00 p.m. ET and all day Saturday, but NLM does not guarantee availability except during ELHILL hours. No special forms need be submitted in order to use *MEDLEARN*.

MEDLEARN is accessed in the same manner as the on-line News Files. The user will "LOGON" under his own ID code and instead of responding to the system prompt with NEWS, FILES, or PHONES, he will respond with MEDLEARN. Following is an example of a *MEDLEARN* logon.

```
LOGON XYZ01
.
.
.
Do you want news, phones, files, or medlearn?
Enter yes or no:  YES
Which do you want?
Enter news, phones, files or medlearn:  MEDLEARN
```

When the system prompts for an access code, the user will enter the number 300 followed by a carriage return.

Educational institutions (e.g., library schools) which do not presently have an ID code permitting access to NLM's retrieval system may write to the Head, MEDLARS Management Section to request access to *MEDLEARN*. The request should state the purpose for using *MEDLEARN*, the type and size of the student population, and how long *MEDLEARN* will be needed (in monthly increments). Two copies of the On-Line Agreement (billing), must be submitted with each *MEDLEARN* request. These forms may be obtained from the RML or from MEDLARS Management Section at NLM.

MEDLINE TRAINEES AT NLM, OCTOBER 18, 1976

The thirty-first NLM On-line Service (MEDLINE) Training Class was held October 18 - 22, 1976. The following people attended:

Sara Andrews
University of Vermont
Burlington, Vermont

Carol Kornfield
Thomas J. Lipton, Inc.
Englewood Cliffs, New Jersey

Michael Brandli
College of Medicine & Dentistry
of New Jersey
Newark, New Jersey

Metta Lansdale
St. Joseph Mercy Hospital
Ann Arbor, Michigan

Mary Lynne East
National Research Council of Canada
Ottawa, Canada

Kate Lindeman
The Cleveland Clinic Educational
Foundation
Cleveland, Ohio

Kathy Flayler
Monsanto Research Corporation
Dayton, Ohio

Jo Ann Spencer
Bio-Dynamics/bmc
Indianapolis, Indiana

Irene Frisch
Sterling Drug Inc.
New York, New York

Kathy Vick
Arnar-Stone Laboratories, Inc.
Mount Prospect, Illinois

Patricia Johnson
NIH, National Cancer Institute
Bethesda, Maryland

Ann Wilson
Astra Pharmaceutical Products, Inc.
Framingham, Massachusetts

MEDLINE TRAINEES AT UCLA, OCTOBER 13, 1976

The University of California Biomedical Library, Los Angeles, held its twenty-fourth MEDLINE Training Class October 13 - 29, 1976. The following people attended:

Joan Fierberg
LAC/Harbor General Hospital
Torrance, California

Ursula Stevenson
Allergan Pharmaceuticals
Irvine, California

Geraldine N. Graves
Kaiser Permanente Medical Center
Bellflower, California

Glenn Wallace
Veterans Administration Hospital
Seattle, Washington

Rebecca Rutenberg
Thomas Jefferson University
Philadelphia, Pennsylvania

Kyung Hi Yu
Wilford Hall USAF Medical Center
San Antonio, Texas

Sybil Schwartz
Kaiser Permanente Medical Center
Harbor City, California

Samir Zeind
Huntington Memorial Hospital
Pasadena, California

NEW SERIALS ANNOUNCEMENT - OCTOBER 1976
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section during the month of OCTOBER. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM.

- *ACTA THERAPEUTICA
1, 1975--
Therapeutica
Brussels, Belgium
- ACTA THERMOGRAPHICA
1, 1976--
Elsevier
Lausanne, Switzerland
- ANNALS OF THE ICRP
1, 1976--
Consists of reports and recommendations of the International Commission on Radiological Protection
Previous reports classed separately
Pergamon Press
Oxford, England
- *ATTI DEL CONGRESSO INTERNAZIONALE
DI SESSUOLOGIA
1, 1972--
Centro Italiano di Sessuologia
Sanremo, Italy
- BENCHMARK PAPERS IN ANALYTICAL
CHEMISTRY
1, 1976--
Dowden Hutchinson and Ross
Stroudsburg, Pennsylvania
- *BIOETHICS NORTHWEST
1, 1976--
Northwest Institute of Ethics
and the Life Sciences
Seattle, Washington
- *ELUE SHEET
19N29, 1976--
Cont of Drug Research Reports
Drug Research Reports
Washington, D.C.
- *BRONCHO - PNEUMOLOGIE
26, 1976--
Cont of Bronches
Doin Editeurs
Paris, France
- EMERGENCY REVIEW
1, 1975--
Production
North Branford, Connecticut
- *FEDERATION OF AMERICAN HOSPITALS
REVIEW
9N4, 1976--
Cont of Investors-Owned-Hospital
Review
Federation of American Hospitals
Little Rock, Arkansas
- HEALTH ISSUES ON CAPITOL HILL
1, 1976--
Washington, D.C.
- *INFUSIONTHERAPIE UND KLINISCHE
ERNAEHRUNG
2, 1975--
Cont of Infusiontherapie
Karger
Basel, Switzerland

INSTRUMENT HANDBOOK AND BUYERS
GUIDE

1, 1976--
Formed by Merger of Med Equipment
Buyer's Guide and Measurement
and Control Handbook and Buyers
Guide
Medical Electronics and Data
Pittsburgh, Pennsylvania

JOURNAL OF FOOD BIOCHEMISTRY

1, 1977--
Food and Nutrition Press

LEUKEMIA RESEARCH

1, 1977--
Pergamon Press
Oxford, England

MALAYSIAN JOURNAL OF SPORTS
MEDICINE

1, 1974--
Malaysia. Ministry of
Culture
Kuala Lu, Malaysia

MULTIVARIATE EXPERIMENTAL CLINICAL
RESEARCH

2, 1976--
Cont of Journal of Multivariate
Experimental Personality and
Clinical Psychology
Wichita State University
Psychology Press
Wichita, Kansas

PESQUISA AGROPECUARIA BRASILEIRA

1, 1966--
Empresa Brasileira de
Pesquisa Agropecuaria
Sao Paulo, Brazil

*REVISTA VENEZOLANA DE CIRURGIA

1, 1976--
Cont of Boletin de la Sociedad
Venezolana de Cirugia. Title
varies slightly.
Sociedad Venezolana de Cirugia
Caracas, Venezuela

*STATISTICS AND HEALTH REVIEW

1, 1975--
New York, Department of Health
New York, New York



LIBRARY NETWORK / MEDLARS TECHNICAL BULLETIN

of the

Library Component of the Biomedical Communications Network

DECEMBER 1976

No. 92

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
of the
Library Component of the Biomedical
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The LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN
is issued monthly by the Office of the
Associate Director for Library Operations.

JOURNAL CITATION DATA BASES

MEDLINE at NLM was updated with December 1976 citations on November 3. SDILINE at NLM was updated on November 8. MEDLINE and SDILINE at SUNY were updated on November 15. The sizes, Index Medicus date ranges and entry dates are given below:

MEDLINE

NLM (Jan 75 - Dec 76)	549,996
(Entry dates 741205 to 761103)	
SUNY (Jan 74 - Dec 76)	724,106
(Entry dates 731130 to 761103)	
SDILINE (December 76)	25,351
(Entry dates 761020 to 761103)	

ON-LINE TECHNICAL NOTES

PLEASE QUERY THE NLM/ON-LINE NEWS FILES DAILY FOR SPECIAL NOTICES AND MESSAGES

Whenever applicable, in the margin beside each Technical Note, users will be referred to the section/page of the NLM On-Line Services References Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that in many instances the item may also pertain to other sections of the Manual.

HEDGES,
1977 MeSH TERMS

The MEDLARS hedges (stored search fragments on selective subjects) which are stored on the NLM and SUNY computers have been updated with the 1977 MeSH terms. Included with this issue of the Technical Bulletin (Appendix A) are printouts of the search strategies for these hedges. The stored hedges may only be executed in the OFFSEARCH mode, with the NPS option. Searchers may wish to consult the January 1976 issue of the Technical Bulletin (page 9) for instructions on the use of the hedges.

DIRECT DIAL
(656-2715),
30 CPS ONLY
(Manual II-8)

The direct dial number to the NLM computer in Bethesda, Maryland, 301/656-2715, may now only be used for data transmission at 30 characters per second. Direct dial users with teletype compatible terminals which operate at 10 cps may use 301/496-1006. Direct dial users with IBM 2741 compatible terminals (EBCDIC) which operate at 15 cps may use 301/654-2540 or 301/496-1736.

HOURS OF SERVICE,
INAUGURATION DAY
THURSDAY JAN 20,
1977

Both the NLM and SUNY systems will be up on Inauguration Day, Thursday, January 20, 1977.

GEOGRAPHIC TERMS,
OFFSEARCH
(Manual XVI)

In addition to having postings as MeSH Main Headings (MH), some geographic terms also have postings as the Place of Publication (PL). On-line, if the user enters a geographic term which has postings in both categories he will receive a multi-meaning message. In the OFFSEARCH and STORESEARCH mode, the computer will ALL these geographic terms and the user may receive false drops if the term is not qualified in the search strategy. Below is an example of the retrieval for the term EGYPT:

EGYPT (MH) - PSTG (329)
EGYPT (PL) - PSTG (411)
EGYPT - PSTG (653)

PERMUTED
MESH, 1977

The 1977 edition of the Permuted Medical Subject Headings (MeSH) is now available from the National Technical Information Service (NTIS). Below is the necessary order information.

<u>Accession No.</u>	<u>Title</u>	<u>Price</u>
PB-259-021	Permuted Medical Subject Headings, 1977	\$9.25 (\$3.00 microfiche)

HELLO/STOP
MESSAGES,
SHORTENED

The ELHILL greeting messages on the NLM and SUNY computers have been condensed to reduce the total login/stop time for the user. The new messages are as follows:

LOGIN MESSAGE

HELLO FROM ELHILL 3.
YOU ARE NOW CONNECTED TO THE MEDLINE FILE.
ARE YOU AN EXPERIENCED USER? (YES/NO)

STOP MESSAGE

DONE? (YES/NO)

Searchers may wish to refer to the October 1976 issue of the Technical Bulletin (page 4) for recently revised information on entering @ symbols to denote completed searches.

CUMULATED INDEX
MEDICUS - 1976

The Superintendent of Documents has announced a price of \$202.00 for the 1976 Cumulated Index Medicus, scheduled to go to press early in December. The price is based on an estimated 12,504 pages--2,870 more pages than were contained in the 1975 CIM, which sold for \$192.00. An Advance Order Form is being distributed with this issue of the Technical Bulletin.

LIST OF JOURNALS
INDEXED IN INDEX
MEDICUS - 1977,
JANUARY IM

As in the past, in the January issue of Index Medicus there will appear abbreviated title and full title listings of those journals which are indexed for inclusion in Index Medicus. Beginning with the January 1977 issue, the abbreviated title listing will include the International Standard Serial Numbers (ISSN's) for these titles, if available. The ISSN (IS) field is searchable in the MEDLINE files.

MESH HEADINGS,
U.S. GOV'T SUPP...

Two descriptors were added to MeSH in 1975 to identify articles that report work that was supported by the United States Government. These are:

United States Government Supported, N.I.H., and
United States Government Supported, NON-N.I.H.

These descriptors appear in the tracings of MEDLINE citations. However, because the ELHILL program can not differentiate between these two headings by scanning the first 34 characters, there is only one MEDLINE directory for both. The postings tally given for either of these headings is actually the combined sum of all articles that have been indexed to both, and a search for either retrieves citations for both.

The 1977 MeSH publications indicate that these headings have been changed to an abbreviated form that would make them distinguishable within 34 characters. However, because of technical difficulties, these headings could not be changed on the 1975 and 1976 citations on which they appear. For this reason, the MeSH headings will revert to their 1975 and 1976 form, and the 1977 MeSH change should be ignored.

These headings were introduced for the benefit of NLM's own operations and for this purpose the present programs are now adequate.

MESH, FILE
MAINTENANCE

Citations in the BACKFILES indexed under the deleted heading EPIDEMIC HEMORRHAGIC FEVER have not been file maintained to the various headings listed in Appendix B (DELETED MEDICAL SUBJECT HEADINGS - 1977) in the November 1976 Technical Bulletin. One must continue to search EPIDEMIC HEMORRHAGIC FEVER for citations indexed before January 1975 input.

Citations in the BACKFILES indexed under CADMIUM/POISONING have not been file maintained to the new heading CADMIUM POISONING. For citations indexed prior to January 1975 input, one must continue to search CADMIUM/poisoning in order to retrieve citations indexed for this topic.

TELENET INWATS
SERVICE, USERS
RECEIVING COMMUN-
ICATIONS CREDITS

Currently, the National Library of Medicine provides a communication credit to those centers which must pay long distance charges to access NLM's on-line data bases. On December 6, 1976, a toll-free INWATS Number through TELENET became available. Centers will have full use of the toll-free INWATS line as a replacement for the existing communication credit which will be eliminated effective January 1, 1977. Centers continue to have the option to use other TELENET or TYMSHARE numbers but credit will not be given by NLM to cover long distance charges. In the near future, a TYMSHARE INWATS number is expected to become available, at which time these centers will have the choice of using either toll-free INWATS service.

All affected users will be notified in writing of the INWATS telephone number to be used along with the necessary instructions. These centers should attempt to use this number as much as possible during the month of December, and all problems should be reported to MEDLARS Management Section (800/638-8480) as they occur. If you are eligible to use this INWATS service and have not received the letter of notification by December 20, 1976, please contact MEDLARS Management Section.

STORED SEARCH
FILE, AVAIL-
ABLE ON-LINE
THROUGH JAN 7,

In the October 1976 issue of the Technical Bulletin (page 2), it was announced that stored searches would be executable on-line at NLM from November 15 through December 3, 1976 so that users could update their stored searches with the 1977 MeSH terms. This date has been extended through January 7, 1977.

LIST OF MONO-
GRAPHS INDEXED,
MEDLINE FILES

Included with this issue of the Technical Bulletin (Appendix B) is the list of Monographs Indexed in Index Medicus which will appear in the 1976 issue of Cumulated Index Medicus (CIM). This listing includes all monographs input into the MEDLINE file through December 1976. In the future, a monthly list of the monographs indexed will be distributed with each issue of the Technical Bulletin.

TYMSHARE NUMBERS
(Manual II-9)Deletions

Toronto, Canada (15 cps)	416/863-6277
Toronto, Canada (10 cps)	416/863-6252

NOTE: The number in Toronto which previously operated at 15 characters per second (416/863-6202) may now be used for character transmission at 10, 15, and 30 characters per second.

MEDLEARN
LOGON PROCEDURES

A number of *MEDLEARN* users appear to be confusing the access code required during the logon procedure with the re-entry code which is used within the "GO TO _____" command. This causes the *MEDLEARN* programs to place the user in an inappropriate or restricted classification.

During the *MEDLEARN* logon procedure, users are requested to enter their assigned access code. For all MEDLINE Centers, the correct access code is 300. Once the logon is completed, users may then use their re-entry code to return to the point within the program at which they terminated their previous session. Re-entry codes correspond to chapters, sections and paragraphs of *MEDLEARN*. Thus, a re-entry code of 431 returns the user to chapter 4, section 3, paragraph 1. The re-entry code may be used after any USER: cue, but following input of the access code, as follows:

:ENTER YOUR *MEDLEARN* ACCESS CODE AFTER 'USER:'
IS TYPED BELOW, AND THEN PRESS THE 'CARRIAGE
RETURN' OR 'SEND MESSAGE' KEY.

USER:
300

PROG:
HELLO FROM *MEDLEARN*.

.
.

.

USER:
"GO TO 431

MODIFICATIONS IN NLM's ON-LINE TRAINING PROGRAMS

Joseph Leiter, Ph.D., Associate Director, Library Operations, NLM
and

Laura Eisenberg, On-Line Training Coordinator, NLM

The National Library of Medicine has been conducting three-week training courses on the MEDLARS system since MEDLINE became operational in October, 1971. At that time, it was important to train as many analysts in as short a time period as possible. As the pressure to provide instruction to large numbers of search analysts from new MEDLINE Centers subsided, the National Library of Medicine began to study the structure and content of its training program to see if the three-week course was still necessary and, indeed, desirable. The NLM staff has been aware, for example, that the three-week classes frequently induced a state of "information overload" in trainees, usually during the second week, beyond which little or no new information could be absorbed. Further, insufficient time was available for students to thoroughly integrate the skills and theories they were being taught. These and other subjective observations have been substantiated by extensive feedback from the trainees themselves, and more recently, from objective test scores. Consequently, the NLM is exploring the substitution of the current three-week On-Line Services Training program with a combination of the one-week Initial and Advanced MEDLINE Training classes. Beginning in 1977, training applicants from new MEDLINE Centers scheduled for three-week courses will be requested to attend an Initial course, to be followed in three to six months by Advanced training. Wherever possible the Advanced training will be scheduled at a field training course as described below. User ID codes will be activated following the Initial session to allow newly trained analysts to practice their skills before returning for the second part of the instructional program.

Although this program requires that a trainee travel to a course site twice, the additional travel funds are more than offset by the decreased per diem costs associated with a three-week course. For example, the expenditure required for food and lodging in Bethesda, Maryland for 19 days is approximately \$950 (according to Federal per diem rates) while attendance at both Initial and Advanced MEDLINE classes would cost only \$500 for room and board. The difference is more than adequate to cover an additional round-trip fare. And this calculation does not take into account the extra week's salary of \$200-\$400 which an institution must pay while their analyst is being trained. Finally, the cost differential becomes even more significant when one of the courses is held in the field, typically at a university setting where living costs are much lower than those in Bethesda.

Persons with previous searching experience (e.g., through on-the-job training) may continue to apply for Advanced training. Final confirmation of attendance in Advanced courses is conditional upon satisfactory completion of prerequisites and demonstrated competency on a prerequisite test.

Training applicants from institutions anticipating minimal use of the MEDLARS system may request Initial training only. Such requests will be considered on an individual basis.

The tentative new schedule of on-line training classes to be held in 1977 is as follows:

January 31 - February 18	- On-Line Services (3 week)
February 28 - March 4*	--- Field Training - Advanced
March 7 - 11*	----- Advanced
March 14 - 18*	----- Field Training - Advanced
March 28 - April 1	----- Initial
May 2 - 6	----- Initial
May 9 - 13	----- Field Training - Initial
June 13 - 17*	----- Advanced
July 25 - 29	----- Field Training - Initial
September 12 - 16*	----- Advanced
October 17 - 21*	----- Advanced
October 24 - 28*	----- Field Training - Advanced
November 14 - 18	----- Initial
December 5 - 9*	----- Field Training - Advanced

*An optional sixth day of instruction will be offered on other NLM databases, such as TOXLINE, CHEMLINE, etc.

Several Initial and Advanced classes will be held in the field under the direction of NLM personnel. All future training at UCLA will be incorporated into this field training activity and courses held at that facility will be scheduled and conducted under the same conditions. Training applicants may be scheduled for such field classes in accordance with programmatic and geographic considerations. Dates and locations of field training will be published in future issues of the Technical Bulletin.

In order to provide further integration and streamlining of instruction on all the NLM databases, it is proposed to incorporate training on those subjects into the Initial and Advanced MEDLINE courses. Developments in this area will be announced as they are implemented.

Our experiences with these new procedures and with the implementation of field training sessions during the next year will play an important role in future developments of our training activities. Our plans for continuing education and updates (see report on SCORE, page 9) will be closely integrated with these developments.

Questions regarding the new training program may be addressed to the Regional Medical Library or to the On-Line Training Coordinator, NLM.

CONTINUING EDUCATION FOR ON-LINE NETWORK USERS

Laura Eisenberg

On-Line Training Coordinator, NLM

The need for continuing education courses and periodic up-date sessions for searchers of the NLM's on-line services has been a concern of the Library, the RML's, and the searchers themselves since MEDLARS began. While many such programs have been sponsored and conducted at various levels in the On-Line Network, no serious effort has been made to coordinate and standardize these activities. At the request of the RML's, as expressed at the RML Directors meeting in February, 1976, the NLM has established a Standing Committee for On-line Retrieval Education (SCORE). The members of SCORE, who were selected from nominations submitted through the Regional Medical Libraries, are:

Marcia Ford, Frances A. Countway Library of Medicine,
Boston, MA

Michael Homan, UCLA Biomedical Library, Los Angeles, CA

Ellen Nagle, Columbia University Health Sciences Library,
New York, NY

Pat O'Brien, Pharmaceutical Manufacturers Association,
Washington, DC

Faith Van Toll, Wayne State University, Detroit, MI

Penny Worley, Houston Academy of Medicine, Houston, TX

Ms. Laura Eisenberg, On-Line Training Coordinator, NLM, is the chairman, and Mr. Mel Spann is serving as a liaison member to the committee for Specialized Information Services.

The goals and objectives of SCORE are to:

1. Identify and define the components of educational programs for searchers of NLM's data bases.
2. Identify subject interests, instructional needs, and levels of expertise of the intended audience of the educational program.
3. Identify type, level and content of continuing education courses, and facilitate their development.
4. Coordinate CE activities throughout the On-Line Network.
5. Initiate a continuing, active program of updating through the RML's in each of the Regions.
6. Identify a core of qualified persons to serve as CE course instructors and update session leaders.
7. Provide liaison with other educational and library organizations.

It should be noted that an important distinction is drawn between continuing education courses and update sessions. The former are intended to be complete instructional packages which address a specific subject area, and may be

offered under the direction of a qualified teacher at any time and by any group or institution interested in sponsoring such courses. Update sessions are technical in nature, being concerned with communications, software, data base and vocabulary changes which have occurred during the preceding year. As such they are intended to be sponsored by the RML's on an annual basis and conducted under the direction of a qualified analyst.

SCORE held its first meeting at the National Library of Medicine on November 4, 1976. As a result of that meeting, action is being taken on the following:

1. development of a proposed plan for coordinated, standardized update activities.
2. development of a prototype CE course on neoplasms.
3. generation of a user survey to assess the interests and needs of searchers in the field.
4. establishment of a liaison with MLA, ALA, ASIS, PMA/SIS and CLENE.

Progress reports on these and subsequent activities of SCORE will be reported in forthcoming issues of the Technical Bulletin.

MEDLINE TRAINEES AT NLM, NOVEMBER 1, 1976

The thirty-second NLM On-line Service (MEDLINE) Training Class was held November 1 - 19, 1976. The following people attended:

Patricia Bosma
National Library of Medicine
Bethesda, Maryland

Jane McCarthy
Glass Memorial Library
Plainfield, New Jersey

Alice Brand
The Menninger Foundation
Topeka, Kansas

Mary Ann Perussina
Moody Medical Library
Galveston, Texas

Judith Bube
National Library of Medicine
Bethesda, Maryland

Veronica Plucinski
Pfizer's Inc.
New York, New York

Becky Davidson
National Library of Medicine
Bethesda, Maryland

Lou Snyder
National Library of Medicine
Bethesda, Maryland

June Drake
Bowman Gray School of Medicine Library
Winston-Salem, North Carolina

Frieda Vaghar
Pahlavi Library of Medicine
Tehran, Iran

Dorothy Gruber
Institute for Medical Research
Camden, New Jersey

Joshi-hisa Sugita
Ajinomoto USA, Inc.
Rockville, Maryland

Jackie Johnson
National Library of Medicine
Bethesda, Maryland

REHABILITATION: A HEDGE
Rosalie Biemans and Nettie Levy
Index Section, NLM

The following MeSH headings are in the field of REHABILITATION. Please note however, that the subheading /rehabilitation (RH) can be used with any physical or mental disorders, i.e., it is available for use with any Category C or Category F3 term.

The suggested headings below are loosely and arbitrarily arranged. We have appended for the use of those who want to go to the terminal with only branches of trees and this hedge in hand, these portions of three trees: REHABILITATION in E2, LEISURE ACTIVITIES in I3 and ORTHOPEDIC EQUIPMENT in E7.

CONVALESCENCE (N1, C23)
HOSPITALS, CONVALESCENT (N2)
HOSPITALS, VETERANS (N2)

REHABILITATION (see next page)
REHABILITATION CENTERS (N2)
SHELTERED WORKSHOPS

HANDICAPPED (M1, N1)
AMPUTEES (M1)

RESIDENTIAL FACILITIES (N2)
EXTENDED CARE FACILITIES
HALFWAY HOUSES

GENERAL PATIENT CARE (NON MESH) (E2)
AFTER CARE
AMBULATORY CARE
DAY CARE
NIGHT CARE
LONG TERM CARE
BED REST

DISABILITY EVALUATION (E1)
WORK CAPACITY EVALUATION
QUALITY OF LIFE (I1)
EMPLOYMENT (N1)

EDUCATION, SPECIAL (I2)
COUNSELING (N2, F2, F4)
VOCATIONAL GUIDANCE (E2, I2)
VOCATIONAL EDUCATION (I2)

PHYSICAL EDUCATION AND TRAINING (I2)
SPORT MEDICINE (G2)

LEISURE ACTIVITIES (see next page)

PROSTHESES (E7)
ARTIFICIAL LIMBS (E7)
PROSTHESIS DESIGN (E4)
POWER SOURCES (E7)
BIOELECTRIC ENERGY SOURCES (E7)

ORTHOPEDIC EQUIPMENT (see next page)

SELF-HELP DEVICES (E7)
WHEELCHAIRS

NOTE: This hedge has been stored at NLM and SUNY with the name
MEDLARS.REHABILITATION.

E2.831

I3.450

REHABILITATION

ACTIVITIES OF DAILY LIVING
 BIBLIOTHERAPY
 EARLY AMBULATION
 OCCUPATIONAL THERAPY
 ART THERAPY
 MUSIC THERAPY
 PHYSICAL THERAPY
 BALNEOLOGY
 AMMOTHERAPY
 BATHS
 BATHS, FINNISH
 MUD THERAPY
 DIATHERMY
 SHORT-WAVE THERAPY *
 ULTRASONIC THERAPY
 ELECTROTHERAPY
 IONTOPHORESIS
 EXERCISE THERAPY
 BREATHING EXERCISES
 HELIOOTHERAPY *
 HYDROTHERAPY
 MASSAGE
 ULTRAVIOLET THERAPY
 REHABILITATION OF DEAF (NON MESH)
 LIPREADING
 MANUAL COMMUNICATION
 REHABILITATION, VOCAL (NON MESH)
 SPEECH THERAPY
 VOICE PRODUCTION, ALARYNGEAL
 SPEECH, ESOPHAGEAL *
 VOICE TRAINING
 REHABILITATION, VOCATIONAL
 THALASSOTHERAPY

LEISURE ACTIVITIES

HOLIDAYS
 FESTIVALS *
 RECREATION
 CAMPING
 DANCING
 HOBBIES
 BOOK COLLECTING
 BIBLIOMANIA *
 NUMISMATICS
 PHILATELY
 PLAY
 SPORTS
 BASEBALL *
 BOXING
 FOOTBALL
 GOLF *
 GYMNASTICS
 CALISTHENICS *
 HOCKEY *
 JOGGING *
 MOUNTAINEERING
 SKATING *
 SKIING
 SOCCER *
 SWIMMING
 TENNIS *
 TRACK AND FIELD
 RUNNING
 WEIGHT LIFTING *
 WRESTLING *
 RELAXATION
 REST

E7.858.442

ORTHOPEDIC EQUIPMENT

ARTIFICIAL LIMBS
 CANES *
 CRUTCHES
 JOINT PROSTHESIS
 ORTHOPEDIC FIXATION DEVICES
 BONE NAILS
 BONE PLATES
 BONE SCREWS
 CASTS, SURGICAL
 SPLINTS
 ORTHOTIC DEVICES
 BRACES
 WALKERS *

NEW SERIALS ANNOUNCEMENT - NOVEMBER 1976
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section during the month of November. An asterisk (*) next to the title indicates that an issue has actually been received in the library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, (301) 496-1276, Technical Services Division, NLM.

CONTRIBUTIONS TO MEDICAL PSYCHOLOGY

1, 1977--
Pergamon Press
Oxford, England

CRC HANDBOOK OF CLINICAL LABORATORY SCIENCE

1, 1976--
CRC Press
Cleveland, Ohio

CURRENT PRACTICE IN FAMILY-CENTERED COMMUNITY NURSING

1, 1977--
C V Mosby Co
St. Louis, Missouri

*IFMA SCIENTIFIC SYMPOSIA

4, 1974--
Netherlands. International
Federation of Margarine
Association
First 3 Symposia unnumbered
and cataloged separately at
NLM
The Hague, Netherlands

INTERNATIONAL ORTHOPAEDICS

1, 1977--
Springer Verlag
Berlin, West Germany

*JOURNAL OF BIOENERGETICS AND BIOMEMBRANES

8N3, 1976--
Plenum
Cont of Journal of Bioenergetics
New York, New York

LENGTH OF STAY IN PAS HOSPITALS, BY DIAGNOSIS, UNITED STATES

1975--
Commission on Professional and
Hospital Activities
Cont of Length of Stay in Pas
Hospitals, United States
Ann Arbor, Michigan

LENGTH OF STAY IN PAS HOSPITALS, BY DIAGNOSIS, UNITED STATES, NORTH CENTRAL REGION

1975--
Commission on Professional and
Hospital Activities
Cont of Length of Stay in Pas
Hospitals, United States Central
Region
Ann Arbor, Michigan

LENGTH OF STAY IN PAS HOSPITALS, BY DIAGNOSIS, UNITED STATES, NORTHEASTERN REGION

1975--
Commission on Professional and
Hospital Activities
Cont of Length of Stay in Pas
Hospitals, United States,
Eastern Region
Ann Arbor, Michigan

LENGTH OF STAY IN PAS HOSPITALS, BY DIAGNOSIS, UNITED STATES, SOUTHERN REGION

1975--
Commission on Professional and
Hospital Activities
Cont of Length of Stay in Pas
Hospitals, United States, Southern
Region
Ann Arbor, Michigan

OCCUPATIONAL SAFETY AND HEALTH
REPORTS

1976--

Marcel Dekker
New York, New York

OSTEOPATHIC MEDICINE

1, 1976--

American College of General
Practitioners in Osteopathic
Medicine and Surgery
Evanston, IllinoisPROCEEDINGS OF THE ANNUAL AAMI/FDA
CONFERENCE ON MEDICAL DEVICE
REGULATION

1, 1974--

Association for the Advancement
of Medical Instrumentation
Arlington, Virginia

SURGICAL FORUM

1, 1975--

Baptist Medical Center-Princeton
Birmingham, Alabama

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MONOGRAPHS INDEXED

1 9 7 6

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BACK66, availability	Feb 76	82-	4
BACK72, 1973 citations	Feb 76	82	4
ELHILL 3, new capabilities	Feb 76	82	5
hours of service	Mar 76	83-	4
TCAM			
as NLM teleprocessing interface	Jan 76	81-	5
conversion from TSD, effective date	Mar 76	83-	3
news files	Feb 76	82-	8
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commands/messages	Mar 76	83-	1
commands/messages	Apr 76	84-	1
IBM 2741	May 76	85-	3
INWATS service	Dec 76	92-	5
list of nodes (phones list)	May 76	85-	11
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note on use	Mar 76	83-	4
search count (@@)	Jun 76	86-	3
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AZ Phoenix	May 76	85-	2
CA Long Beach	Oct 76	90	5
Marina del Rey	Jun 76	86-	3
San Carlos	May 76	85-	2
San Diego	Apr 76	84	5
San Jose	Jun 76	86	3
San Pedro	Jun 76	86	3
Santa Ana	May 76	85	2
Santa Ana	Aug 76	88	3
CO Denver	May 76	85-	2
CT Hartford	Jul 76	87-	2
New Haven	Jul 76	87	2
Stamford	Aug 76	88-	3
FL Miami	May 76	85	2
IN Indianapolis	Jun 76	86	3
KS Kansas City	Jun 76	86	
MD Baltimore	May 76	85,	2
MO Kansas City	Jul 76	87-	2

TELENET NODES: ADDITIONS/CHANGES/DELETIONS(contd)

NY: Albany	Jul 76	87- 2
Hempstead	Aug 76	88- 3
Rochester	Jul 76	87- 2
White Plains	Jul 76	87- 2
OH: Cincinnati	Apr 76	84- 5
Columbus	Jun 76	86- 3
Columbus	Jul 76	87- 2
ONT: Ottawa	Apr 76	84- 5
Toronto	Apr 76	84- 5
OR: Portland	May 76	85- 2
QUE: Montreal	Apr 76	84- 5
UT: Salt Lake City	Jun 76	86- 3
WI: Milwaukee	Apr 76	84- 5
WA: Seattle	May 76	85- 2
TELEPHONE NUMBERS (phones list)	May 76	85-11
TELEPHONE NUMBERS, DIRECT DIAL		
30 cps number	Dec 76	92- 2
new	Sep 76	89- 5
phones list	May 76	85-11
TELEPHONE NUMBERS, IN-WATS	Mar 76	83- 4
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TELEPHONE NUMBERS, TYMSHARE (phones list)	May 76	85-11
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TERMINALS		
IBM 2741 and TELENET	May 76	85- 3
Telenet login terminal identifiers	Mar 76	83-11
Tymshare login terminal identifier	Feb 76	82- 5
TEXTWORD SEARCHING and variant English spellings	May 76	85- 5
TIME, COMPUTER/ELAPSED		
@ signs for offsearches at NLM	Oct 76	90- 4
new format at NLM	Aug 76	88- 4
TOXBACK		
OFFSEARCH processing	Jun 76	86- 5
TOXLINE TRAINING		
6th day of advanced MEDLINE training	Jun 76	86- 5
schedule, 1977	Aug 76	88- 4
TRAINING		
continuing education for on-line users	Dec 76	92- 9
MEDLINE, advanced, 6th day for TOXLINE	Jun 76	86- 2
MEDLINE, advanced, experiment in Region VII	Jan 76	81-12
MEDLINE, changes in NLM on-line training		
programs	Dec 76	92- 8
MEDLINE, schedule for 1976 at NLM	Jan 76	81- 4
MEDLINE, schedule for 1977 at NLM & UCLA	Aug 76	88- 4
MEDLINE, schedule for 1977 at NLM, revision	Dec 76	92- 8
MEDLINE trainees at NLM, January 12, 1976	Jan 76	81-17
MEDLINE trainees at NLM, March 8, 1976	Mar 76	83-14
MEDLINE trainees at NLM, April 12, 1976	Apr 76	84- 9
MEDLINE trainees at NLM, May 17, 1976	May 76	85-13
MEDLINE trainees at NLM, July 12, 1976	Aug 76	88- 8
MEDLINE trainees at NLM, September 13, 1976	Sep 76	89-18
MEDLINE trainees at NLM, October 18, 1976	Nov 76	91- 5
MEDLINE trainees at NLM, November 1, 1976	Dec 76	92-11

TRAINING(contd)

MEDLINE trainees at UCLA, January 28, 1976	Feb 76	82-11
MEDLINE trainees at UCLA, March 15, 1976	Apr 76	84-5
MEDLINE trainees at UCLA, May 3, 1976	May 76	85-4
MEDLINE trainees at UCLA, July 28, 1976	Aug 76	88-5
MEDLINE trainees at UCLA, October 13, 1976	Nov 76	91-5
MEDLINE trainees at University of Texas, August 16, 1976	Sep 76	89-13
MEDLINE trainees at University of Wisconsin, December 15, 1976	Jan 76	81-7
TOXLINE, 6th day of advanced MEDLINE class	Jun 76	86-2
TOXLINE, schedule for 1977	Aug 76	88-4
TREE ANNOTATIONS, MESH, 1977	Oct 76	90-5
TREL STRUCTURES, MESH, 1977	Sep 76	89-3
TRouble CALLS		
IN-WAIS telephone number procedure	Mar 76 Oct 76	83-4 90-5
TSO, conversion to ICAM at NLM	Mar 76	83-3
TUMOR KEY, errata	Jan 76	81-14
TYMSHARL		
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List of nodes (phones list)	May 76	85-11
terminal identifiers	Feb 76	82-5
TYMSHARE NODES ADDITIONS/CHANGES/DELETIONS		
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AL Birmingham	Nov 76	91-3
ALB Calgary	Apr 76	84-3
Calgary	Oct 76	90-5
Edmonton	Apr 76	84-3
BC Vancouver	Apr 76	84-3
CA Cupertino	Sep 76	89-2
Los Angeles	Feb 76	82-3
San Francisco	Jan 76	81-4
San Francisco	Mar 76	83-2
San Francisco	Aug 76	88-3
DC Washington	Oct 76	90-5
FL Miami	Apr 76	84-3
HI Honolulu	Feb 76	82-3
MD Annapolis	Sep 76	89-2
MI Ann Arbor	Feb 76	82-3
Ann Arbor	Aug 76	88-3
Detroit	Jun 76	86-2
Kalamazoo	Jan 76	81-4
NJ Union	Apr 76	84-3
NY New York	Jan 76	81-4
New York	Feb 76	82-3
New York	Aug 76	88-3
OH Akron	May 76	85-3
Akron	Aug 76	88-3
Cincinnati	Feb 76	82-3
Cleveland	Feb 76	82-3
Cleveland	May 76	85-3
OK Tulsa	Sep 76	89-2
ONT Toronto	Mar 76	83-2
Toronto	Apr 76	84-3
Toronto	Dec 76	92-6

TYMSHARE NODES ADDITIONS/CHANGES/DELETIONS (cont'd)

PA	Allentown	Aug 76	88	3
	Pittsburgh	May 76	85	3
QUL	Montreal	Oct 76	96	1
SC	West Columbia	Feb 76	82	1
IN	Memphis	Aug 76	88	3
IX	Austin	May 76	81	3
	Austin	Jun 76	86	2
	Houston	Mar 76	84	2
UT	Salt Lake City	May 76	85	3
WI	Madison	Mar 76	83	2
UCI A				
	MEDLINE trainees, January 28, 1976	Feb 76	82	11
	MEDLINE trainees, March 15, 1976	Apr 76	84	5
	MEDLINE trainees, May 3, 1976	May 76	85	4
	MEDLINE trainees, July 28, 1976	Aug 76	88	5
	MEDLINE trainees, October 13, 1976	Nov 76	91	5
UNIVERSITY OF TEXAS				
	MEDLINE trainees, August 16, 1976	Sep 76	89	13
UNIVERSITY OF WISCONSIN				
	MEDLINE trainees, December 15, 1976	Jan 76	81	7
UPDATE	schedule for 1976, MEDLINE/SDILINE	Mar 76	83	3
U.S. GOVERNMENT SUPPORTED, NIH, searching		Dec 76	92	4
USE OF DATA BASES		Jan 76	81	11
WATS telephone numbers				
	TELENET INWATS service	Dec 76	92	5
	trouble desk	Mar 76	83	4
YEAR END PROCESSING, schedule		Oct 76	90	2



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
BETHESDA, MARYLAND 20014

NATIONAL CANCER INSTITUTE

December 6, 1976

Dear MEDLARS Search Analyst:

For some time your center has had access to the National Cancer Institute data bases, CANCERLINE and CANCERPROJ, as part of the MEDLARS On-Line services. These data bases were developed by the International Cancer Research Data Bank (ICRDB) Program in collaboration with the National Library of Medicine.

The National Cancer Institute would like to assist you in the promotion of these services within your organization. To this end:

- 1) NCI will be providing free connect time to all CANCERPROJ users at your center during the month of December, 1976.
- 2) NCI has designed a colorful poster in order to publicize our data bases which may be displayed in the library, on bulletin boards in cancer research departments, in the hospital staff area, or other places frequented by those with a need for cancer information.

A set of posters and accompanying CANCERLINE brochures will be forwarded to you in January. If it is not convenient to utilize these materials, please return the enclosed form.

If you have any additional questions regarding the CANCERLINE system, please call or write:

MEDLARS Management Section
National Library of Medicine
Bethesda, Maryland 20014
Attention: CANCERLINE

Phone: (301) 496-6193

Sincerely,

Donna J. Wicker
Data Base Coordinator
International Cancer Research Data Bank Program
Office of International Affairs
National Cancer Institute

Enclosure

INDEX MEDICUS SCHEDULE, 1977

1. MIMS
2. File

<u>Issue</u>	<u>Closing Date</u>	<u>Tape Delivered to CPO</u>	<u>Videocomp Output Due at NLM</u>	<u>Copy to be Picked up by Printer</u>	<u>NLM & SUNY Updates of SDI & Medline</u>	<u>SDI & Medline Available for Users</u>
Jan '77	Dec 1, '76	Dec 6, '76	Dec 9, '76	Dec 10, '76	Dec 18, 19, '76	Dec 20 '76
Feb	Dec 30	Jan 3, '77	Jan 6, '77	Jan 7, '77	Jan 8,9, '77	Jan 10, '77
Mar	Jan 27, '77	Jan 31	Feb 3	Feb 4	Feb 5,6	Feb 7
Apr	Feb 24	Feb 28	Mar 3	Mar 4	Mar 5,6	Mar 7
May	Mar 31	Apr 4	Apr 7	Apr 8	Apr 9,10	Apr 11
Jun	Apr 28	May 2	May 5	May 6	May 7,8	May 9
Jul	May 26	May 31*	Jun 2	Jun 3	Jun 4,5	Jun 6
Aug	Jun 30	Jul 5*	Jul 7	Jul 8	Jul 9,10	Jul 11
Sep	Jul 28	Aug 1	Aug 4	Aug 5	Aug 6,7	Aug 8
Oct	Sep 1	Sep 6*	Sep 8	Sep 9	Sep 10,11	Sep 12
Nov	Sep 29	Oct 3	Oct 6	Oct 7	Oct 8,9	Oct 10
Dec	Oct 27	Oct 31	Nov 3	Nov 4	Nov 5,6	Nov 7
Jan '78	Dec 1	Dec 5	Dec 8	Dec 9	Dec 10,11	Dec 12

*Holiday Adjustment

Telenet

BULLETIN #7

SUBJECT: NATIONWIDE IN-WATS ACCESS TO TELENET

We are pleased to announce that Telenet plans to offer nationwide access to the Telenet network via In-WATS for 110-300 bps terminals.

Telenet In-WATS service will be operational effective December 6, 1976.

The nationwide Telenet In-WATS number is:

800-424-9494

Telenet charges for In-WATS service are:

Hourly Connection Charge: \$14.00

Packet Charge: \$.60 per thousand packets transmitted.

The standard Telenet access procedure applies for In-WATS service except for the following:

1. After responding to TERMINAL =, the caller will be required to enter his telephone company area code before receiving the network command prompt (@). The prompt for the area code will be: YOUR AREA CODE =. The caller must enter his area code followed by a carriage return before proceeding.

CALLER IDENTIFICATION SCREENING (CIS)

Commencing effective January 1, 1977, Telenet will offer a CIS service in conjunction with Telenet In-WATS service.

Customers with computers on the Telenet network can elect one of the following CIS options:

1. Customers may elect to by-pass CIS, in which case callers need not use an Identification Code (ID) and password, and the cost of all connections are charged to the host computer.
2. Customers may elect to restrict access to their host computer via In-WATS to callers with an ID and password. IDs and passwords can be issued either directly to a caller by Telenet - in which case it is a "Caller Paid" ID/Password - or a customer may himself issue the ID/Password to his callers - in which case it is a "Host Paid" ID/Password.
 - A. For IDs and passwords issued by the host computer, the cost of the connection is charged by Telenet to the host computers ("Host Paid").
 - B. For IDs and passwords issued by Telenet directly to a caller, the cost of the connection is charged by Telenet to the caller ("Caller Paid").

For both "Caller Paid" and "Host Paid" IDs and passwords, the actual ID and password are determined by Telenet. The customer may, however, request an ID of up to ten characters and it will be assigned by Telenet if it does not conflict with a previously assigned ID. It should be noted that each "Host Paid" ID/Password is associated with a specific network address. Therefore, separate ID/Passwords will be required for different rotary addresses.

Telenet's charges for CIS are as follows:

Identification Code and Password

- . One-Time setup charge for each ID/Password: \$5.00