



# THE NLM TECHNICAL BULLETIN

FORMED BY THE UNION OF  
THE LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN AND THE TOXLINE TECHNICAL BULLETIN

JANUARY 78

NO. 105

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

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FILES

DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	5,225	1900-1978	9 FEB 78	
BACK66	545,463	JAN 66-DEC 68	19 DEC 77	
BACK69	649,346	JAN 69-DEC 71	19 DEC 77	
BACK72	671,116	JAN 72-DEC 74	19 DEC 77	
+BACK75	385,601	JAN 75-DEC 75	19 DEC 77	
*CANCERLIT	113,617	JAN 63-FEB 78	14 FEB 78	7802(ED)
*CANCERPROJ	18,194	1976-1977	20 DEC 77	7711(ED)
*CATLINE	173,208	1965-1978	10 FEB 78	
CHEMLINE	246,193		15 DEC 77	
*CLINPROT	834		18 APR 77	
*EPILEPSY	21,077	1945-1976	30 JAN 78	
*JOURNAL AUTH	4,950	1978		
MEDLINE	442,016	JAN 76-MAR 78	6 FEB 78	7803(IM)
MESH VOC	14,697	1978	19 DEC 77	
*NAME AUTH	95,102	1978	2 FEB 78	
*RTECS	21,543	1976	1 SEP 77	
SDILINE	20,066	MAR 78	6 FEB 78	
*TOXLINE	409,268		6 FEB 78	7712(ST)
CBAC	202,099	1974-V.26,ISS11-13		
TOXBIB	87,581	1974-FEB 78		
IPA	24,874	1974-NOV 77		
HEEP	54,942	1974-FEB 78		
PESTAB	11,076	1974-SEP 77		
EMIC	19,093	1960-PRESENT		
ETIC	9,603	1950-PRESENT		
*TOXBACK	379,299		6 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

\*\*\*

- 1) \* = FILES AVAILABLE AT NLM ONLY.
- 2) + = CITATIONS WITH PUBLICATION YEAR OF 1975 OR EARLIER BUT ENTRY DATE OF 1976 OR 1977 ALSO INCLUDED.
- 3) THE BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

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TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference 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 the item may pertain to other sections of the Manual.

TRAINING - In order to avoid conflicts with Federal holidays, the dates of two on-line services training classes have been changed:  
From Oct 9-13, 1978 to Oct 2-6, 1978  
From Nov 6-10, 1978 to Oct 30-Nov 3, 1978.  
 The complete schedule of training classes appeared in the July 1977 Technical Bulletin.

SERLINE (Manual X) - An entry of "SER" in the Abstracting and Indexing field (AI) of SERLINE indicates that the journal was in the original group of 6,500 SERLINE journals.

CHEMLINE (Manual XIV) - If, while in the CHEMLINE file and attempting a "PRINT DETAILED," the message "CAN XXXXXX CONTAINS NONE OF THE ELEMENTS SPECIFIED" is received, the detailed unit record is too long for printing in the detailed format. To get around this message, do a "PRINT INCLUDE and specify the fields you want printed.

PHONES - All numbers are for 10-30 cps unless otherwise noted.

Additions:

<u>City</u>	<u>Tymnet</u>	<u>Telenet</u>	<u>Tymnet FX</u>
Van Nuys, CA			2213/986-9503
Honolulu, HI		808/524-8110	
Honolulu, HI		*808/521-0611	
Norfolk, VA		804/625-1430	
Oklahoma City, OK		405/272-9280	
Omaha, NE		402/330-1900	
Providence, RI		401/274-1125	
St. Petersburg, FL		813/823-8964	
Syracuse, NY		315/424-9381	
Tulsa, OK		918/587-0158	

\*120 CPS Service -- Bell 212 and VADIC modems.

Changes:

<u>City</u>	<u>From</u>	<u>To</u>	<u>Network/Type</u>
Cincinnati, OH	513/621-7460	513/242-7040	Tymnet, C

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- MESH - ORGANIZATION & ADMINISTRATION SUBHEADING - The abbreviation has been changed from "OR" to "OG" because there was a conflict with the logical connector "OR." The on-line files have been updated to reflect this change.
- INDEXING - ACTION POTENTIALS, EVOKED POTENTIALS, MEMBRANE POTENTIALS - Indexing policy has changed. Please change the annotations in your MeSH to read NIM instead of IM.
- TECHNICAL NOTE 231 - On page 13 of the September 1977 NLM Technical Bulletin it was incorrectly stated that all previous indexing Technical Notes, through number 231, are available through NTIS. Technical Note 231 is not available through NTIS and is included with this bulletin as Appendix A.
- MEDLINE - BACK75 (Manual VII) - The BACK75 file of MEDLINE was created and made available to users via the "OFFSEARCH command on December 19, 1977. The file contains (1) citations with an entry date from 741205 through 751108 or (2) citations which have a 1975, or earlier, year of publication (YP), regardless of entry date.
- (IM) DATA ELEMENT - This is a reminder that searchers should use the (IM) data element, not the (ED) data element to limit retrieval to a specific month(s). For example:
- (1) to re-create October 77 SDILINE:  
SS 1 /C?  
USER:  
7710\*
- (2) to search only 1977 input:  
SS 1 /C?  
USER:  
7701 OR 7702 OR 7703 OR 7704 OR 7705 OR 7706 OR  
CNT 1  
USER:  
7707 OR 7708 OR 7709 OR 7710 OR 7711 OR 7712\*
- The (IM) data element was added to the records beginning with July 76 input. If segments of the file are needed before this date, call the MEDLARS Management Section Service Desk for entry dates.
- \*Note: the qualifier (IM) is not required
- NEW SPECIAL LIST C - Because of its importance to the program goals of the National Institute of Neurological and Communicative Disorders and Stroke, citations to certain literature that has not been accepted for Index Medicus will be indexed and input to MEDLINE as special list material. Because it relates to communication disorders, this will be designated Special List C. At the outset, this will include only eight journals starting with 1978 issues.



TOXLINE/TOXBACK REGENERATION  
Sharon L. Valley, Ph.D.  
Specialized Information Services

The TOXLINE/TOXBACK files are in the process of being regenerated. When completed, TOXLINE will contain information from 1974 secondary sources forward, representing approximately 380,000 documents. TOXBACK will contain information from secondary sources prior to 1974 and will contain approximately 350,000 documents. It is anticipated these files will be available by March 1, 1978.

There will be some changes in the unit record description for the regenerated TOXLINE/TOXBACK. Specifically, these changes are:

1. Page number (PG) will be eliminated as a separate, searchable element. The pagination will still print as part of the Source (SO) field.

2. Medical Subject Headings (MH) will not be directly searchable as (MH). They will, however, be textextracted into uniterms and be searchable as text words (TW), i.e.:

(TW) THIN AND LAYER AND ALL CHROMATOG:

instead of (MH) CHROMATOGRAPHY, THIN-LAYER.

3. Medical Subject Headings Tree Numbers will not be included in TOXLINE, since the vocabulary changes are not "file maintained" each year. This means users will not be able to EXPLODE MeSH terms or tree numbers in TOXLINE. The term(s) should be entered as text words (TW) instead.

4. The year of publication (YP) will not be rangeable, but will be searchable as individual years, i.e., a user may limit a search to papers published in either 1976 or 1977, by entering:

CORRECT

5 AND 76 OR 5 AND 77

where 5 equals search statement 5.

Users will not be able to enter:

INCORRECT

5 AND FROM 76 TO 77.

The correct example is a more efficient use of the computer system for this type of query. The latter type of search would be more time consuming, therefore the ranging file for "year of publication" was not created.

5. The source and time frame field (ST) will be 4 digits, and searchable, (YYMM as year month) i.e. 7804 for the 1978, April update.

6. In the material supplied by Chemical Abstracts Service (CAS) there will be additional Chemical Abstracts Service Registry Numbers (RN), which were CAS indexing information but not included in the earlier version of TOXLINE. These additional CAS Registry Numbers will appear in the searchable RN field, even though the chemical(s) may not be mentioned in the title or abstract, but do appear in the original document.

7. On an experimental basis, a new searchable field will be created that will contain uniterms from the title field (TI), and uniterms from the keyword field (KW) which are the index terms from TOXBIB, IPA, etc. This new field will have the search mnemonic of (KW). This field could be used if a searcher wants terms primarily in either titles or keywords, and not the abstract.

Users are encouraged to send feedback to the Toxicology Information Program regarding the utility of, or any problems with, the new experimental search field (KW).

As a reminder, the Text Word (TW) field contains uniterms from three fields: TI, AB, KW (title, abstract, keywords), as in the current TOXLINE/TOXBACK, which is the default when searching.

The new Unit Record Description for TOXLINE/TOXBACK will be as follows:

Category Names	Abbrev.	Directly Searchable*	PRINT OPTIONS		
			PRINT	PRINT FULL	PRINT DETAILED
Secondary Source ID	SI	YES	YES	YES	YES
Author(s)	AU	YES	YES	YES	YES
Author Address	AA	NO	NO	YES	YES
Article title	TI	NO**	YES	YES	YES
Language	LA	YES	NO	YES	YES
Journal Coden	JC	YES	NO	NO	YES
Int. Stand. Ser. No.	IS	YES	NO	NO	YES
Source Journal/citat.	SO	NO	YES	YES	YES
Abstract	AB	NO**	NO	YES	YES
CAS Registry Number	RN	YES	NO	NO	YES
Index Tag (on CBAC since 11/76)	IT	YES	NO	NO	YES
DATA TAG (on CBAC since 11/76)	DT	YES	NO	NO	YES
Text Words (Unique terms from TI, AB, KW)	TW	YES	NO	NO	NO

\*All searchable data elements are limited to 36 characters.

\*\*May be stringsearched.

Category Names	Abbrev.	Directly Searchable*	PRINT OPTIONS		
			PRINT	PRINT FULL	PRINT DETAILED
Year of Publication	YP	YES	NO	NO	NO
Source & Time Frame	ST	YES	NO	NO	NO
Keywords (textextracted uniterms from TI, KW)	KW	YES***	NO	NO	NO
Keywords (Index terms from TOXBIB, IPA, etc.)	KW	NO	NO	NO	YES

\*\*\*Must use (KW) if only uniterms from title, keyword field are wanted.

NOTE: Textwords (TW) is the same as previously, uniterms from the title, abstract and keywords.

Regarding the scope of the regenerated TOXLINE/TOXBACK, the following subfiles and years of coverage will be included:

1. Chemical Abstracts Service: Chemical Abstracts, Sections 1-5 from 1965; Sections 62-64 from 1975 (i.e. Chemical-Biological Activities) (CBAC); Section 8 (Radiation Biochemistry), Section 59 (Air Pollution and Industrial Hygiene), and Section 60 (Sewage and Wastes) from 1974.
2. BioSciences Information Service: Abstracts on Health Effects of Environmental Pollutants, from 1972.
3. American Society of Hospital Pharmacists: International Pharmaceutical Abstracts, from 1970.
4. National Library of Medicine: Toxicity Bibliography from 1968.
5. Environmental Protection Agency: Pesticides Abstracts, (formerly Health Aspects of Pesticides Abstract Bulletin) from 1966.
6. Environmental Mutagen Information Center File, Oak Ridge National Laboratory, from 1960, (all to be included in TOXLINE).
7. Environmental Teratology Information Center File, Oak Ridge National Laboratory, from 1950, (all to be included in TOXLINE).
8. Toxic Materials Information Center File, Oak Ridge National Laboratory, (1971-1975).

9. Hayes File on Pesticides (1940-1966), citations only.

10. Teratology File (1960-1974).

The last three files are closed collections and will not be updated.

Please note that if users have any Stored Searches or monthly, recurring TOXLINE SDI's, run by NLM, that contain MeSH terms or EXPLODES for TOXLINE/TOXBACK, these must be changed, since zero retrieval will result for these terms when the regenerated files become available.

The new ELHILL 3 Free Text Stopword List is attached as Appendix B.

NLM CATALOGING SECTION USE OF THE 4th EDITION OF NLM CLASSIFICATION  
Sally Sinn, Technical Services Division, NLM

Catalogers at NLM have begun using draft copies of the Fourth Edition of the National Library of Medicine Classification for all items cataloged in 1978. Citations have appeared in the Current Catalog Weekly Proofsheets for 1978 with classification numbers that are new to the Fourth Edition. Until the new edition is available in final publication, the Catalog Section will announce any new numbers in this and subsequent issues of the Technical Bulletin.

In addition to new concepts reflected by new numbers, many existing numbers have been closed for all material published before 1978 (with exceptions noted below) and expanded numbers, based on the old number with a ".3" or ".4" added, will be used for new material published 1978- and later, e.g., in the number for general works on anatomy.

QS  
4 General works  
4.3 English language, 1978-  
4.4 Other languages, 1978-

New numbers resulting from this practice will not be individually documented here, unless the meaning of the .3 or .4 differs from the general pattern as stated above. For congresses, bibliographies, and other works using the date(s) of the period covered in the call number, classification will be by the date of the call number regardless of publication date.

In the Third Edition, the standard form numbers were 1-32 in any table. The form number 32 (Table G) is for the classification of material which is text of law relating to the subject, and a form number 33 (Table G) has been added for material which is the discussion of law relating to the subject.

All new and previously existing numbers which may be divided geographically by Table G will have a new number following, composed of the old number with ".1" added for classifying works which are broader in coverage than the Table G breakdown, e.g.:

WG 11 History (Table G)  
 11.1 General coverage (Not Table G)

<u>NEW NUMBER</u>	<u>SUBJECT</u>	<u>OLD NUMBER</u>
QU 65	Heterocyclic compounds associated with amino acid synthesis and metabolism e.g., Allantoin. Indoleacetic acid	None
QV 77.5	Antidepressive agents	QV 108
QV 77.9	Tranquilizers	QV 86
QV 280	Anions. Halogens	QV 282
QV 282	Fluorine. Fluorides	QV 282
QW 131	Gram-negative aerobic bacteria (include cocci and rods) Gram-negative bacteria (General)	Various Places
WA 671	Sanitary engineering. Environmental control (General)	WA 670
WA 950	Theory of medical statistics	HA 29
WB 110	Family practice (including general practice)	W 89
WC 524	Arbovirus infections (General or not indexed elsewhere)	None
WC 950	Zoonoses (General)	WC 100, WA 110
WF 145	Therapeutics	WF 140
WG 104	Microcirculation (General)	WG 103
WG 169	Heart surgery. Heart transplantation	WG 168
WL 103	Psychophysiology (General)	WL 102
WL 314	Limbic system	WL 307
WL 340.5	Aphasia	WL 340
WM 171	Affective disturbances	WM 100
WM 175	Appetite disorders associated with neuroses. Anorexia nervosa	None
WM 611	Psychophysiological sex disorders	WM 610
WO 512	Microsurgery	None
WQ 244	Cardiovascular complications of pregnancy	WQ 240
WS 105.5.F2	Special topics in child psychology, A-Z .F2 Family relations. Birth order. Only child. Twins. Parent-child relations, etc.	WS 105, BF
WS 463	Psychiatric problems of adolescents	WS 462
WW 140	Eye diseases. Vision disorders	WW 100
WY 100.5	Nursing records. Nursing audit	WY 100

NEW SERIALS ANNOUNCEMENT - DECEMBER 1977  
 Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. A plus (+) indicates that the title appears in Index Medicus. An asterisk (\*) 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 PARAPSYCHOLOGICAL  
 RESEARCH  
 1, 1977--  
 Plenum  
 New York, New York

ALCOHOL AND ALCOHOLISM  
 1, 1977--  
 Eden Press  
 Montreal, Canada

ALTERNATIVE LIFESTYLES  
 1, 1978--  
 Sage Publications  
 Beverly Hills, California

ANATOMIA CLINICA  
 1, 1977--  
 Springer  
 Berlin, West Germany

ARS CURANDI EM ODONTOLOGIA  
 1, 1974--  
 Medisa Editora  
 Sao Paulo, Brazil

BEHAVIOR MODIFICATION  
 1, 1977--  
 Sage Publications  
 Beverly Hills, California

CAHIER MEDICAL DE MADAGASCAR  
 1, 1975--  
 Tanarive, Madagascar

CANCER CHEMOTHERAPY AND PHARMACOLOGY  
 1, 1977--  
 Springer  
 Berlin, West Germany

CANCER PATIENT SURVIVAL  
 1976--  
 National Cancer Institute  
 Continues end results in Cancer  
 Bethesda, Maryland

CONTEMPORARY ISSUES IN NEPHROLOGY  
 1, 1978--  
 Churchill Livingstone  
 New York, New York

CONTINUING EDUCATION FOR HEALTH  
 CARE PROVIDERS  
 2, 1977--  
 Futura Pub. Co.  
 Continues Continuing Education  
 in Nursing Home Administration.  
 Mount Kisco, New York

CURRENT PROBLEMS IN ANESTHESIA AND  
 CRITICAL CARE MEDICINE  
 1, 1977--  
 Yearbook Medical Publishers  
 Chicago, Illinois

DEVELOPMENTS IN DIGESTIVE DISEASES:  
 CLINICAL RELEVANCE  
 1, 1977--  
 Lea and Febiger  
 Philadelphia, Pennsylvania

DEVELOPMENTS IN NEUROSCIENCE  
 1977?--  
 Elsevier/North-Holland  
 Biomedical Press  
 Amsterdam, Netherlands

- \*DRUG DEVELOPMENT AND EVALUATION  
(ENGLISH ED)  
1, 1977--  
Gustav Fischer  
Jena, East Germany
- DRUG DEVELOPMENT AND EVALUATION  
(GERMAN ED)  
1, 1977--  
Gustav Fischer  
Jena, East Germany
- EVALUATION AND PROGRAM PLANNING  
1, 1978--  
Pergamon Press  
New York, New York
- FOOD LOSS REDUCTION  
1, 1978--  
Elsevier  
Amsterdam, Netherlands
- FUNCTIONAL NEUROSCIENCE  
1, 1977--  
Wiley/Erlbaum  
New York, New York
- FUNDAMENTA SCIENTIAE  
1, 1977--  
Pergamon  
London, England
- HEALTH ADMINISTRATION CASES  
1, 1978--  
C.V. Mosby  
St. Louis, Missouri
- HEARING RESEARCH  
1, 1978--  
Elsevier  
Amsterdam, Netherlands
- INTERNATIONAL JOURNAL OF ANDROLOGY  
1978--  
Scriptor Publisher APS  
Copenhagen, Denmark
- INTERNATIONAL JOURNAL OF  
BEHAVIORAL DEVELOPMENT  
1, 1978--  
Elsevier  
Amsterdam, Netherlands
- INTERNATIONAL JOURNAL OF  
PHARMACEUTICS  
1, 1977--  
Elsevier  
Amsterdam, Netherlands
- INVESTIGATIVE AND CELL PATHOLOGY  
1, 1978--  
John Wiley  
Chichester, Sussex, England
- JOURNAL OF GERONTOLOGICAL SOCIAL  
WORK  
1, 1978--  
Haworth Press  
New York, New York
- JOURNAL OF NEUROSCIENCE METHODS  
1, 1978--  
Elsevier  
Amsterdam, Netherlands
- MEDICAL ELECTRONICS  
1977--  
Measurement and Data Corp  
Continues Medical Electronics  
and Data  
Pittsburgh, Pennsylvania
- MEDICAL LABORATORY WORLD  
1, 1977--  
United Trade Press  
London, England
- MEDICAL SCIENCES QUARTERLY  
1, 1977--  
Pergamon  
London, England
- METABOLIC BONE DISEASES AND  
RELATED RESEARCH  
1978--  
S.N.P.M.D.  
Paris, France
- \*OH; OSTEOPATHIC HOSPITALS  
21, 1977--  
American Osteopathic Hospital  
Association  
Continues Osteopathic Hospitals  
Park Ridge, Illinois

PHYSICAL TECHNIQUES IN MEDICINE

1, 1977--

Wiley

New York, New York

SOURCEBOOK ON AGING

1, 1977--

Marquis

Chicago, Illinois

POPULATION

1, 1978--

Human Sciences Press

New York, New York

SPRINGER SEMINARS IN IMMUNOPATHOLOGY

1, 1978--

Springer

Berlin, West Germany

PRIMARY PREVENTION OF PSYCHOPATHOLOGY

1977--

University Press of New England

Hanover, New Hampshire

THEORY OF LEVELS OF EMOTIONAL  
DEVELOPMENT

1, 1977--

Dabor Science Publications

Oceanside, New York

PSYCHIATRIC CLINICS OF NORTH AMERICA

1, 1978--

Saunders

Philadelphia, Pennsylvania

TRENDS IN NEUROSCIENCES

1, 1978--

Elsevier

Amsterdam, Netherlands

RECENT ADVANCES IN CLINICAL  
IMMUNOLOGY

1, 1977--

Churchill Livingstone

Edinburgh, England

WORLD MEETINGS: MEDICINE

1, 1978--

World Meetings Information Center

Chestnut Hill, Massachusetts



LIST OF MONOGRAPHS INDEXED

FEBRUARY 1978

A

**Anglo-American Conference on Care of the Elderly, Washington, D. C., 1976.** Care of the elderly meeting the challenge of dependency proceedings of a conference / sponsored jointly by the Institute of Medicine, National Academy of Medicine [i.e. Sciences], Washington, D. C., the Royal Society of Medicine and the Royal Society of Medicine Foundation Inc, held at the National Academy of Sciences, Washington, D. C., U. S. A., 17-19 May, 1976, edited by A. N. Exton-Smith and J. Grimley Evans. — London: Academic Press, New York: Grune & Stratton, 1977. 312 p. ill.  
 1 Geriatrics - congresses 2 Health and Welfare Planning - U. S. - congresses 3 Health and Welfare Planning - Gt. Brit. - congresses I Evans, J. Grimley, ed. II Exton-Smith, A. N., ed. III Institute of Medicine, Washington, D. C. IV Royal Society of Medicine Foundation V Royal Society of Medicine VI Title  
 ISBN 0-12-244950 LC 77-71797  
 04NLM WT 30 A589c 1976  
 IM Cit No 7708367

B

**Biological aspects of inorganic chemistry / edited by the Bioinorganic Group, A. W. Addison [et al.], Department of Chemistry, the University of British Columbia, Vancouver, Canada -- New York: Wiley, c1977. vii, 410 p. ill. -- (Wiley-Interscience publication)** Papers presented at a symposium on the biological aspects of inorganic chemistry, June 20-25, 1976, organized by the Bioinorganic Group of the University of British Columbia  
 1 Biochemistry - congresses 2 Chemistry - congresses I Addison, A. W., ed. II University of British Columbia Bioinorganic Group III Title Symposium on the biological aspects of inorganic chemistry  
 ISBN 0-471-02147-4 LC 76-44225  
 04NLM QD 151.2 B615 1976  
 IM Cit No 7611265 (rev. CIP)

D

**Drug action at the molecular level / edited by G. C. K. Roberts -- Baltimore: University Park Press, 1977. viii, 291 p. ill.** At head of title: Biological Council. The Co-ordinating Committee for Symposia on Drug Action. Proceedings of a symposium held on April 12-13, 1976, at the Middlesex Hospital Medical School, London, sponsored by the International Union of Pharmacology and the International Union of Pure and Applied Chemistry  
 1 Chemistry, Pharmaceutical - congresses 2 Drugs - metabolism - congresses I Roberts, Gordon Carl Kenmure, ed. II Biological Council Co-ordinating Committee for Symposia on Drug Action III International Union of Pharmacology IV International Union of Pure and Applied Chemistry V Title Symposium on drug action at the molecular level  
 ISBN 0-8391-1125-8 LC 77-4382  
 04NLM QV 38 D7905 1976  
 IM Cit No 7702073 (rev. CIP)

F

**FEBS Symposium on the Biochemistry of Membrane Transport, Swiss Institute of Technology, 1976.** Biochemistry of membrane transport / edited by G. Semenza and E. Carafoli. — Berlin, New York: Springer-Verlag, 1977. xix, 669 p. ill. -- (FEBS symposium, no. 42) Proceedings in life sciences Symposium sponsored by the Federation of European Biochemical Societies  
 1 Biological Transport - congresses 2 Cell Membrane - physiology - congresses I Carafoli, E., 1932- ed. II Semenza, G., ed. III Federation of European Biochemical Societies IV Title V Series VI Series Proceedings in life sciences  
 ISBN 0-387-08082-1 LC 76-58327  
 04NLM W3 F15 no 42 1976  
 0XNLM [QH 601 F105b 1976]  
 IM Cit No 7613817 (rev. CIP)

I

**Idiopathic urinary bladder stone disease / Robert Van Reen, editor -- [Bethesda, Md.]: Dept. of Health, Education, and Welfare, Public Health Service, National Institutes of Health, Washington, for sale by the Supt. of Docs., U. S. Govt. Print. Off., 1977. xv, 370 p. ill. -- (Fogarty International Center proceedings, no. 37) DHEW publication no. (NIH) 77-1063** Conference sponsored by John E. Fogarty International Center and other institutions, and held April 20-26, 1976  
 1 Bladder Calculi 2 Bladder Calculi - etiology - congresses 3 Bladder Diseases - prevention & control - congresses I Van Reen, Robert, ed. II John E. Fogarty International Center for Advanced Study in the Health Sciences III Title Conference on idiopathic urinary bladder stone disease IV Series V Series DHEW publication, no. (NIH) 77-1063  
 04NLM W3 FO49 no 37 1976  
 01HMS.OXNLM [WJ 500 I21 1976]  
 IM Cit No 7708811

**Immunobiology of gametes / edited by M. Edidin, M. H. Johnson -- Cambridge, New York: Cambridge Univ. Press, 1977. x, 310 p. ill. -- (Clinical and experimental immunoreproduction, 4) Papers presented at a conference held in May 1976 at the Johns Hopkins University**  
 1 Fertilization - congresses 2 Ovum - immunology - congresses 3 Spermatozoa - immunology - congresses I Edidin, M., 1939- ed. II Johnson, Martin H., ed. III Johns Hopkins University IV Title Conference on immunobiology of gametes V Series  
 ISBN 0-521-21441-6 LC 76-49952  
 04NLM W3 C162G v 4 1976  
 0XNLM [WJ 834 I33 1976]  
 IM Cit No 7800137

L

**Long Course on Inflammatory and Neoplastic Disease of the Gastrointestinal Tract, Boston, 1976.** The gastrointestinal tract / by 21 authors, edited by John H. Yardley, Basil C. Morson, and Murray R. Abell. — Baltimore: Williams & Wilkins, 1977. xii, 223 p. ill. -- (Monographs in pathology, no. 18) Proceedings, in expanded form, of Long Course on Inflammatory and Neoplastic Disease of the Gastrointestinal Tract held during the annual meeting of the International Academy of Pathology, United States-Canadian Division  
 1 Gastrointestinal Diseases - congresses 2 Gastrointestinal Neoplasms - congresses I Abell, Murray R., 1920- ed. II Morson, Basil C., ed. III Yardley, John H., ed. IV International Academy of Pathology United States-Canadian Division V Title VI Series  
 ISBN 0-683-09317-7 LC 76-30330  
 04NLM W1 MO568H no 18 1977  
 0XNLM [WI 100 L848g 1976]  
 IM Cit No 7701739 (rev. CIP)

P

**Pancreatic beta cell culture** proceedings of the fifth Workshop Conference Hoechst, Kitzbuhel, 5-9 October, 1976 / editors, E. von Waselewski, W. L. Chick. — Amsterdam: Excerpta medica, New York: distributed in the U. S. by Elsevier North Holland, 1977. 197 p. ill. -- (Excerpta medica International congress series, no. 408) ISBN 0-444-15262-8 (Elsevier North-Holland) Workshop Conferences Hoechst, v. 5  
 1 Cells, Cultured - congresses 2 Genetic Intervention - congresses 3 Islands of Langerhans - cytology - congresses 4 Islands of Langerhans - secretion - congresses I Chick, W. L., 1938- ed. II Waselewski, E. von, ed. III Title Workshop conference on pancreatic beta cell culture IV Series V Series Workshop Conferences Hoechst, v. 5  
 ISBN 0-444-15262-8 LC 77-3466  
 04NLM W3 EX89 no 408 1976  
 11CLA.OXNLM [WK 801 P188 1976]  
 IM Cit No 7701663 (rev. CIP)

231. Geographical Cross-References

A feature of the Alphabetical MeSH new in 1975 and continued in 1976 is the inclusion of geographical cross-references as see references to Category Z terms, e.g., TIBET see CHINA.

Many of the cross-references which appeared in the list entitled GEOGRAPHIC HEADINGS AND CROSS-REFERENCES in the MEDLARS INDEXING MANUAL are not there.

Here is a list of place-names from that list, names which do not appear in the Alphabetical MeSH. This with those in the Alphabetical MeSH should give you a very wide coverage for indexing geography as one of your coordinates. Discard the list in the Manual since MeSH contains many place-names as major descriptors now, which were formerly just cross-references in the Manual (e.g., ANTIGUA, BAHRAIN, etc.).

su means see under

- |                                    |  |
|------------------------------------|--|
| Admiralty Islands su MELANESIA     | Celebes su INDONESIA                               |
| Aegean Islands su GREECE           | Comoro Islands su INDIAN OCEAN ISLANDS             |
| Aleutians su ALASKA                | Cook Islands su POLYNESIA                          |
| Annobon Island su ATLANTIC ISLANDS | Corsica su FRANCE                                  |
| Aruba su NETHERLANDS ANTILLES      | Curaçao su NETHERLANDS ANTILLES                    |
| Ascension su ATLANTIC ISLANDS      | Dodecanese su GREECE                               |
| Austral Islands su POLYNESIA       | East Pakistan = BANGLADESH                         |
| Baker Island su POLYNESIA          | Ellice Islands su POLYNESIA                        |
| Balearic Islands su SPAIN          | Falkland Islands su ATLANTIC ISLANDS               |
| Barra su HEBRIDES                  | Falkland Islands Dependencies su ANTARCTIC REGIONS |
| Basutoland su LESOTHO              | Fernando do Noronha su ATLANTIC ISLANDS            |
| Bechuanaland su BOTSWANA           | Fernando Poo su ATLANTIC ISLANDS                   |
| Belgian Congo su ZAIRE             | French Guinea su GUINEA                            |
| Biafra su NIGERIA                  | French Somaliland su AFRICA, EASTERN               |
| Bismarck Islands su MELANESIA      | Gambier Islands su POLYNESIA                       |
| Bissau su GUINEA                   | Gilbert Islands su MICRONESIA                      |
| Bonaire su NETHERLANDS ANTILLES    | Gough Island su ATLANTIC ISLANDS                   |
| British Guiana = GUYANA            | Granada su WEST INDIES                             |
| Burundi su Rwanda                  | Guadeloupe su WEST INDIES                          |
| Canal Zone = PANAMA CANAL ZONE     | Guiana, French su FRENCH GUIANA                    |
| Canary Islands su ATLANTIC ISLANDS |  |
| Caroline Islands su MICRONESIA     |  |
| Cayman Islands su JAMAICA          |  |

Guinea-Bissau = GUINEA  
 Guinea, French su GUINEA  
 Guinea, Portuguese su GUINEA  
 Guinea, Spanish su GUINEA  
 Harris su HEBRIDES  
 Ifni su AFRICA, WESTERN  
 Indochina su CAMBODIA; LAOS;  
 THAILAND; VIETNAM  
 Ionian Islands su GREECE  
 Islay su HEBRIDES  
 Isle of Man su GREAT BRITAIN  
 Isle of Wight su CHANNEL  
 ISLANDS  
 Java su INDONESIA  
 Johnston Island su SOUTH  
 PACIFIC ISLANDS  
 Laccadive Islands su INDIAN  
 OCEAN ISLANDS  
 Lapland su ARCTIC REGIONS  
 Lesser Sunda Islands su  
 NETHERLANDS EAST INDIES  
 Lewis su HEBRIDES  
 Lisianski Island su HAWAII  
 Malay Archipelago su INDONESIA  
 Malaya Federation su MALAYSIA  
 Maldive Islands su INDIAN  
 OCEAN ISLANDS  
 Marquesas Islands su POLYNESIA  
 Middle East su ASIA, WESTERN  
 Midway su HAWAII  
 Moluccas su NETHERLANDS EAST  
 INDIES  
 Montserrat su WEST INDIES  
 Mull su HEBRIDES  
 Nauru su MICRONESIA  
 Near East su ASIA, WESTERN  
 Nevis su WEST INDIES  
 New Britain su MELANESIA  
 New Ireland su MELANESIA  
 Niue su POLYNESIA  
 Norfolk Island su MELANESIA  
 North Uist su HEBRIDES  
 Northern Rhodesia su ZAMBIA  
 Oceania su SOUTH PACIFIC  
 ISLANDS  
 Okinawa su JAPAN  
 Orkney Islands su GREAT BRITAIN  
 Papua su NEW GUINEA  
 Paulau Islands su MICRONESIA  
 Pearl and Hermes Reef su HAWAII  
 Pemba su INDIAN OCEAN ISLANDS  
 Philippine Islands su  
 PHILIPPINES  
 Phoenix Islands su POLYNESIA  
 Pitcairn Island su POLYNESIA  
 Principe Island su ATLANTIC  
 ISLANDS  
 Reunion su INDIAN OCEAN  
 ISLANDS  
 Rio Muni su AFRICA, WESTERN  
 Ruanda = RWANDA  
 Ruanda-Burundi = RWANDA  
 Ryukyu Islands su JAPAN  
 Sabah su MALAYSIA  
 Sahara su ALGERIA  
 Samoa, Western su WESTERN SAMOA  
 Samoan Islands su POLYNESIA;  
 WESTERN SAMOA  
 São Tomé Island su ATLANTIC  
 ISLANDS  
 Sark su CHANNEL ISLANDS  
 Shetland Islands su GREAT  
 BRITAIN  
 Siberia su RUSSIAN FEDERATION  
 (ASIA)  
 Skye su HEBRIDES  
 Society Islands su POLYNESIA  
 Solomon Islands su MELANESIA  
 South Georgia su ANTARCTIC  
 REGIONS  
 South Uist su HEBRIDES  
 Southern Rhodesia su RHODESIA  
 South-west Africa su AFRICA,  
 SOUTHERN  
 Soviet Union su USSR  
 Spanish Guinea su GUINEA  
 Spanish Sahara su AFRICA,  
 WESTERN  
 St. Helena su ATLANTIC ISLANDS  
 St. Kitts su WEST INDIES  
 St. Lucia su WEST INDIES  
 St. Pierre and Miquelon  
 su CANADA  
 St. Vincent su WEST INDIES  
 Sumatra su INDONESIA  
 Tanganyika su TANZANIA  
 Tobago su WEST INDIES  
 Tokelau Islands su POLYNESIA  
 Tristan do Cunha su ATLANTIC  
 ISLANDS  
 Trobriand Islands su MELANESIA  
 Tuamotu Islands su POLYNESIA  
 Uist su HEBRIDES  
 Union of South Africa = SOUTH  
 AFRICA  
 Virgin Islands su WEST INDIES  
 Wake Island su POLYNESIA  
 Wallis and Futuna Islands su  
 POLYNESIA

ELHILL 3 FREE TEXT STOPWORD LIST

A	COPYRIGHT	KEPT	POSSIBLY	SUFFICIENTLY
ABS	COULD	KG	POTENTIALLY	THAN
ABOUT	DID	KM	PREDOMINANTLY	THAT
ACCORDINGLY	DIFFERENT	KNOWLEDGE	PRESENT	THE
AFFECT	DO	LARGELY	PREVIOUSLY	THEIR
AFFECTED	DOES	LIKE	PRIMARILY	THEIRS
AFFECTING	DONE	MADE	PROBABLY	THEM
AFFECTS	DUE	MAINLY	PROMPT	THEN
AFTER	DURING	MAKE	PROMPTLY	THERE
AGAIN	EACH	MANY	QUICKLY	THEREFORE
AGAINST	EFFECT	MAY	QUITE	THESE
ALL	EFFECTS	MG	RATHER	THEY
ALMOST	EITHER	MIGHT	READILY	THIS
ALREADY	ELSE	ML	REALLY	THOSE
ALSO	ENOUGH	MORE	RECENTLY	THOUGH
ALTHOUGH	ESPECIALLY	MOST	REFS	THROUGH
ALWAYS	ETC	MOSTLY	REGARDING	THROUGHOUT
AMONG	EVER	MUCH	REGARDLESS	TO
AN	EVERY	MUG	RELATIVELY	TOO
AND	FOLLOWING	MUST	RESPECTIVELY	TOWARD
ANOTHER	FOR	NEARLY	RESULTED	UNDER
ANY	FOUND	NECESSARILY	RESULTING	UNLESS
ANYONE	FROM	NEITHER	RESULTS	UNTIL
APPARENTLY	FURTHER	NEXT	SAID	UP
ARE	GAVE	NO	SAME	UPON
ARISE	GETS	NONE	SEEM	USE
AS	GIVE	NOR	SEEN	USED
ASIDE	GIVEN	NORMALLY	SEVERAL	USEFULLY
AT	GIVING	NOS	SHALL	USEFULNESS
AUTHOR	GONE	NOT	SHOULD	USING
AWAY	GOT	NOTED	SHOW	USUALLY
BE	HAD	NOW	SHOWED	VARIOUS
BECAME	HAS	OBTAIN	SHOWN	VERY
BECAUSE	HARDLY	OBTAINED	SHOWS	WAS
BECOME	HAVE	OF	SIGNIFICANTLY	WERE
BECOMES	HAVING	OFTEN	SIMILAR	WHAT
BEEN	HERE	ON	SIMILARLY	WHEN
BEFORE	HOW	ONLY	SINCE	WHERE
BEING	HOWEVER	OR	SLIGHTLY	WHETHER
BETWEEN	IF	OTHER	SO	WHICH
BIOL	IMMEDIATELY	OUGHT	SOME	WHILE
BOTH	IMPORTANCE	OUR	SOMETIME	WHO
BRIEFLY	IMPORTANT	OUT	SOMEWHAT	WHOSE
BUT	IN	OVERALL	SOON	WHY
BY	INTO	OWING	SPECIFICALLY	WIDELY
CAME	IS	PARTICULARLY	STATE	WILL
CAN	IT	PAST	STATES	WITH
CANNOT	ITS	PERHAPS	STRONGLY	WITHIN
CERTAIN	ITSELF	PLEASE	SUBSTANTIALLY	WITHOUT
CERTAINLY	JUST	POORLY	SUCCESSFULLY	WOULD
CHEM	KEEP	POSSIBLE	SUCH	YET



# THE NLM TECHNICAL BULLETIN

FORMED BY THE UNION OF  
THE LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN AND THE TOXLINE TECHNICAL BULLETIN

FEBRUARY 78

NO. 106

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

NLM TECHNICAL BULLETIN - FEB 78

FILES

DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	5,403	....-1977	1 MAR 78	
BACK66	545,463	JAN 66-DEC 68	19 DEC 77	
BACK69	649,346	JAN 69-DEC 71	19 DEC 77	
BACK72	671,116	JAN 72-DEC 74	19 DEC 77	
+BACK75	385,601	JAN 75-DEC 75	19 DEC 77	
*CANCERLIT	113,617	JAN 63-FEB 78	14 FEB 78	7802(ED)
*CANCERPROJ	18,194	1976-1977	20 DEC 77	7711(ED)
*CATLINE	173,818	1965-1978	09 MAR 78	
CHEMLINE	246,193		15 DEC 77	
*CLINPROT	834		18 APR 77	
*EPILEPSY	21,077	1945-1976	30 JAN 78	
*JOURNAL AUTH	4,950	1978		
MEDLINE	462,032	JAN 76-APR 78	6 MAR 78	7804(IM)
MESH VOC	14,697	1978	19 DEC 77	
*NAME AUTH	95,443	1978	08 MAR 78	
*RTECS	26,500	1977	6 MAR 78	
SDILINE	20,016	APR 78	6 MAR 78	
*TOXLINE	425,722		27 FEB 78	7802(ST)
CBAC	214,389	1974-V.27,ISS1-2		
TOXBIB	90,418	1974-MAR 78		
IPA	24,874	1974-NOV 77		
HEEP	56,055	1974-MAR 78		
PESTAB	11,290	1974-OCT 77		
EMIC	19,093	1960-1977		
ETIC	9,603	1950-1977		
*TOXBACK	379,299		6 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

- 1) \* = FILES AVAILABLE AT NLM ONLY.
- 2) + = CITATIONS WITH PUBLICATION YEAR OF 1975 OR EARLIER BUT ENTRY DATE OF 1976 OR 1977 ALSO INCLUDED.
- 3) THE BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

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TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference 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 the item may pertain to other sections of the Manual.

HOLIDAY SCHEDULE, 1978 - Following is the holiday schedule for the NLM and SUNY systems for 1978:

	<u>NLM</u>	<u>SUNY</u>
G. Washington's B'day (Mon, Feb 20)	UP*	UP*(12-9pm)
Memorial Day (Mon, May 29)	DOWN	DOWN
Independence Day (Tue, July 4)	DOWN	DOWN
Labor Day (Mon, Sept 4)	DOWN	DOWN
Columbus Day (Mon, Oct 9)	UP*	UP*
Veterans Day (Fri, Nov 10)	UP*	UP*
Thanksgiving Day (Thurs, Nov 23)	DOWN	DOWN
Christmas (Mon, Dec 25)	DOWN	DOWN
New Years (Mon, Jan 1, 1979)	DOWN	DOWN

\*Non-prime rates are in effect all day.

ELHILL - Effective March 1, 1978, users will not LOGON to TSO to obtain the NEWS file. Instead, type "NEWS at any ELHILL USER: cue and you will receive the news. The latest news item will print out first and you will be prompted with a query MORE NEWS? (Y/N) if there is more than one news item. The PHONES and FILES files will no longer be available to users on-line but will be printed in the Technical Bulletin on a regular basis: FILES - monthly; PHONES - bimonthly. File update information will be available in "NEWS on a current basis. Additional or changed phone numbers will continue to be included in Technical Notes as individual items.

Example:

```
SS X /C?
USER:
"NEWS
```

(latest news item printed)

```
MORE NEWS? (YES/NO)
USER:
(enter Y or N)
```

MESH

- NIH SUP AND NON NIH SUP - The following print descriptors in the 1978 Annotated Alphabetic MeSH have been changed:

UNITED STATES GOVERNMENT SUPPORTED, N.I.H. was changed to U.S. GOV'T SUPPORTED, N.I.H.

UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H. was changed to U.S. GOV'T SUPPORTED, NON-N.I.H.

Please annotate your MeSH accordingly. NIH SUP and NON NIH SUP are still searchable terms (entry versions), respectively, for these descriptors. Until 1978, it was not possible to search these two descriptors as separate entities by using either the print descriptor or entry version; that is, searching either descriptor would result in a postings count the same as if you had searched them both in an "or" relationship. Effective immediately, searching either one of the descriptors (using the entry version or the new print descriptor given above) will result in a postings count for that descriptor alone.

- LEGIONNAIRES' DISEASE became a minor descriptor in MeSH on January 31, 1978, and may retrieve citations starting with the April SDILINE. Previously indexed citations on Legionnaires' disease that have been input for 1978 will have LEGIONNAIRES' DISEASE added to them as an index term by the time the May or June SDILINE is available.

LEGIONNAIRES' DISEASE

C1.252.501

C8.730.410

An acute, sometimes fatal, pneumonia-like bacterial infection characterized by high fever, malaise, muscle aches, respiratory disorders and headache; named for an outbreak at the 1976 convention of the American Legion.

78; be care of spelling: note -S apostrophe

see under RESPIRATORY TRACT INFECTIONS

- CATEGORIZED SUBHEADINGS AND DATES OF USAGE - Appendix A is the list of topical subheadings (searcher abbreviation/indexer abbreviation) with allowable categories arranged by category and is a replacement for the list which appears in the introduction to the Annotated Alphabetic MeSH. In addition, each subheading entry is preceded by the year the subheading was first used with the category. In cases where the subheading is currently not being used with the category, the range of years it was used is provided. This new version of the table will appear in the 1979 Annotated Alphabetic MeSH. Martha Z. Kirby of the Medical College of Pennsylvania was kind enough to supply the dates.



PHONES - All numbers are for 10-30 cps unless otherwise noted.

Changes:

<u>City</u>	<u>From</u>	<u>To</u>	<u>Network/Type</u>
Ann Arbor, MI	313/995-6260	313/665-2627	Tymnet, C
Oxnard, CA	213/484-4378	805/487-5512	Telenet
Ventura, CA	"	"	"
Pensacola, FL	904/434-5514	904/434-0134	Tymnet FX, C
Richmond, VA	804/288-2241	804/358-1941	Telenet
Sacramento, CA	916/486-1881	916/443-7921	Telenet
White Plains, NY	914/428-6706	914/761-8444	Tymnet FX, C

SEARCH HINT - Exploding on a MeSH heading, rather than the MeSH Tree number, may result in a multi-meaning message as in the following example:

SS 1 /C?  
USER:

EXPLODE MENTAL HEALTH SERVICES

PROG:  
MM (MENTAL HEALTH SERVICES (2)

1 F4.408  
2 N2.421.461

NUMBER, NONE, OR EXPAND-

Which of the following responses may you enter on-line? What will you retrieve?

- (a) 1
- (b) 2
- (c) 1, 2
- (d) Expand
- (e) None

Which of the above may be entered in an OFFSEARCH? What will you retrieve?

When searching on-line, choices (a), (b), (d) or (e) are correct responses.

Response (a) will retrieve citations indexed to MENTAL HEALTH SERVICES as well as any of the six terms indented under it in the F4.408 location in the Trees. Response (b) will retrieve citations indexed to MENTAL HEALTH SERVICES or any of the three terms indexed under it in the N2.421.461 Tree location.

Response (c) will retrieve the same citations as Response (a) because only one Tree number will be exploded and the default is to the first tree. Response (d) - EXPAND - will produce a printout of the superordinate terms for each of the tree numbers specified in the multi-meaning message as shown below:

USER:

EXPAND

PROG:

DISCIPLINES, TESTS, THERAPY, SERVICES (NON MESH)  
F4

HEALTH SERVICES  
N2.421

MM (MENTAL HEALTH SERVICES) (2)  
NUMBER, NONE, OR EXPAND-

(Note that the original options of selecting one number, none, or expanding are repeated)

Response (e) will retrieve the same citations as Responses (a and c.) In this case, NONE doesn't mean none, it means one, or the first tree listed in the multi-meaning message.

In an OFFSEARCH, if the PSTG on-line output option has been selected, the correct responses to the multi-meaning message are the same as those described above for on-line searching. However, when the OFFSEARCH is processed off-line against the data base(s) specified, the default will be to ALL tree numbers no matter what the on-line response may have been. That is, the retrieval will be the same as that produced by entering EXP F4.408 OR EXP N2.421.461.

#### STORED ADDRESSES

Joseph Leiter, Ph.D., Associate Director for Library Operations, NLM  
and  
Carolyn Tilley, MEDLARS Management Section, BSD

ELHILL 3 now has the capability to store name and address information for later use in both Off-Line Prints and OFFSEARCHES. Stored addresses, one per ELHILL ID Code, will be input into the system by MEDLARS Management Section, NLM, upon receipt of the Stored Address form included with this Bulletin. The stored address is effective at both NLM and SUNY.

Please note that if your institution uses the Stored Address capability, by submission of the form which specifies a particular name/address, all Off-Line Prints/OFFSEARCHES produced under the associated ELHILL ID Code will be sent to that particular stored name/address. When a stored address is in effect, the program will notify the user of this fact with an appropriate message (1) after the user responds to the ARE YOU AN EXPERIENCED USER (Y/N)?

query and (2) each time a "RESTART command is entered. When a stored address is in effect and an Off-Line Print or OFFSEARCH is requested, the program will ask the user to supply only the Requester's Name and Search Title:

```

SS X /C?
USER:
"PRT FU OFF-LINE
PROG:
REQUESTER'S NAME, OR SAME-
USER:
JANE DOE
PROG:
SEARCH TITLE, OR NONE-
USER:
DOPA
                                Y=yes, issue print-use stored address
OK? (Y/N/C/ADDRESS)           N=no, go back to Requester's Name? (Off-
USER:                           Line Print) or Search Title? (OFFSEARCH)
Y                                C=cancel this print request
                                ADDRESS=display stored name/address and
                                program re-prompts with OK? query
OFF(LINE PRINT OR SEARCH) COMPLETED
    
```

If the stored name/address information needs to be changed for the institution, another form must be sent with the new name and address information to MEDLARS Management Section.

If the stored name/address information needs to be changed for a particular Off-Line Print or OFFSEARCH so that the resultant printout can be sent, for example, to a patron's name and address, then the stored address information can be over-ridden on-line (for that particular Off-Line Print or OFFSEARCH only) by typing the keywords MAIL = PROMPT. In an OFFSEARCH, MAIL = PROMPT should be typed after the program has asked for a reply necessary for processing or mailing (e.g., OK? (Y/N/C/ADDRESS), SEARCH TITLE, OR NONE, REQUESTER'S NAME, etc.) and must not be entered in the search portion of an OFFSEARCH (e.g., \*STS\*SS X/C?). The program will then prompt with NAME?, ADDRESS?, and CITY, STATE, ZIP? queries and will use the information typed in response instead of using the stored name/address information for the print.

```

PROG:
SEARCH TITLE, OR NONE-
USER:
MAIL = PROMPT
PROG:
NAME?
USER:
.
.
.
PROG:
SEARCH TITLE, OR NONE-
    
```

Note that this on-line "change" of the stored address only causes a change in the stored address for that particular Off-Line Print or OFFSEARCH, and does not change the stored address permanently, or even for the duration of the search session.

NLM suggests that institutions carefully weigh the implications of a permanent stored address before deciding to use this capability. In particular, it is recommended that the STORED ADDRESS capability only be used when experience indicates that the same name and address are used for a majority of Off-Line Prints and OFFSEARCHES. Search analysts at an institution must have a clear understanding of the prespecification feature (MAIL = PROMPT) in order to change the name and address information when needed for searches to be sent elsewhere. Institutions which share codes should not use the STORED ADDRESS capability unless a single name and address have been agreed upon. It is not recommended that an institution use the STORED ADDRESS capability when experience indicates that most mailed searches are sent directly to patrons' names and addresses.

In requesting a stored address or a change in a stored address, the Stored Address Form must be received in MEDLARS Management Section by the 15th of the month. The stored address will become effective at both NLM and SUNY the following month when the updated MEDLINE and the new SDILINE become available. The information contained in this article supercedes instructions contained in the new NLM On-Line Services Reference Manual to be sent to each ELHILL ID Code in the near future.

#### SCORE REPORT

Michael Homan, PSRMLS, UCLA Biomedical Library

The Standing Committee for On-Line Retrieval Education (SCORE) has made significant progress on a number of on-going committee projects. Previous reports of SCORE's activities have appeared in the December 1976 and August 1977 NLM Technical Bulletin. At SCORE's most recent meeting on November 3, 1977, at the National Library of Medicine, progress reports on the following projects were presented: (1) CE Course on Neoplasms, (2) NLM Data Base Users Educational Needs Profile, (3) On-Line Services Updates Proposal.

#### CE Course on Neoplasms

Two sections of the neoplasm course have been developed to date: (1) the field of oncology and (2) the literature of cancer. A third section, on-line file organization and searching, is presently under development with the construction of pre- and post-tests to follow. The course is slated to be given as an unofficial CE course for testing purposes at the Medical Library Association Annual Meeting in Chicago. SCORE members, on-line searchers from the Chicago area, potential instructors, RML On-Line Coordinators, and other interested parties will be invited to attend the first offering of the course.

### NLM Data Base Users Educational Needs Profile

The results of an educational needs assessment of a test population of 10 searchers in each of the 11 regions was discussed in detail by the members of the committee. The sample assessment was used to test the efficacy of the Educational Needs Profile prior to its distribution to a larger group of NLM's on-line searchers. Initial observations indicated that searchers in the test group did experience difficulties with some questions (e.g., ambiguity because of terminology, lack of appropriate response categories, etc.). A revised version based on these initial results, and pending final approval from NLM, will be distributed to NLM's on-line searchers in the near future.

### On-Line Services Updates Proposal

A proposal outlining guidelines for the development of an on-going, standardized updating program for users of the NLM On-Line System was reviewed by committee members and approved for distribution to the RML Directors through Extramural Programs and Library Operations. The guidelines call for the selection of a Technical Resource Person (TRP) from each of the 11 Regional Medical Library Programs. The TRP in each Region would be responsible for conducting on-line technical updates at least once a year for the respective Regions. In order to assure quality instruction and uniformity of update material presented by each Regional TRP, the Committee recommended that NLM host an annual technical update for the TRP's. This annual TRP update would be held in conjunction with NLM's annual Indexing Orientation and would precede the presentation of Regional Technical Updates. The Committee further recommended that Regional Technical Updates be based on NLM's Annual Update Packet and be held within three months of the NLM Technical Update for TRP's, thus assuring the sessions' timeliness, but allowing each RML ample time to secure accommodations and publicize the sessions well in advance. Selections for Regional TRP's will be made by the 11 Regional Medical Library Programs and forwarded to the SCORE Chairman within the next few months. The first training session for TRPs will be held at NLM in the Fall, 1978.

### Course Development, Regional Representation, and Terms of Office

In addition to the projects described above, a SCORE subcommittee began work on a technical CE course on search optimization. Committee members hope to utilize resource personnel from Regions not now represented on SCORE in the development of this course.

The issue of regional representation for the Committee was also discussed, and it was reemphasized that SCORE represented the On-Line Network as a whole rather than Regional interests.

Committee members agreed to serve a minimum of 2½ years for purposes of continuity, after which one-third of the members would be replaced annually. Within this format, new members of the Committee would begin serving in June of 1979 (MLA Annual Meeting).

Questions and comments regarding SCORE should be addressed to Ms. Laura Eisenberg, On-Line Training Coordinator, National Library of Medicine.

NLM TECHNICAL BULLETIN - FEB 78

NLM CATALOGING SECTION USE OF THE 4TH EDITION OF NLM CLASSIFICATION  
Cataloging Section, Technical Services Division, NLM

The following list explains the new classification numbers as they have been applied from draft copy of the Fourth Edition of the National Library of Medicine Classification. This announcement of new numbers continues the listing begun in the January 1978 issue of the Technical Bulletin and will continue to appear monthly until the final publication of the Fourth Edition is available.

<u>NEW NUMBER</u>	<u>SUBJECT</u>	<u>OLD NUMBER</u>
QS 532.5	Specific types of body tissue, A-Z .C7 Connective tissue	QS 532
QW 180.5	Specific fungi, A-Z .M9 Myxomycetes	Various places
W 84.6	Primary health care	Various places
WA 541	Regional health planning (Table G)	WA 540
WB 289	Diagnostic uses of ultrasonics	WB 141
WB 310	Palliative treatment Terminal care	None BT 789.D4
WC 534	Viral hemorrhagic fevers	WC 500
WD 305	Autoimmune diseases	QW 570
WG 595	Specific arteries, A-Z .C2 Carotid arteries	Various places
WJ 302	Diagnosis...of Kidney diseases	WJ 300
WL 102.5	Neurons	WL 102
WL 102.9	Nerve endings	WL 101-102
WL 704	Pain	WL 700
WM 30.5	Psychiatric social work	WM 58
WM 308	Rehabilitation and training of the mentally retarded	WM 300
WM 425	Behavior therapy	WM 420
WM 430.5	Special types of group psychotherapy, A-Z .F2 Family therapy	Various places
WP 640	Contraceptive devices	WP 630
WS 105.5	Special topics in child psychology, A-Z .D2 Decision making. Logic. Thinking. Concept formation. Perception	WS 105, BF
WU 640	Dental implantation. Tooth reimplant- ation. Transplantation	WU 500
WV 271	Deafness in children	WV 270

RTECS: 1977 Data Base On-Line at NLM

Sharon L. Valley, Ph.D.

Specialized Information Services

Starting in March, 1978, NLM will have the 1977 RTECS (Registry of Toxic Effects of Chemical Substances) file on-line. It will be available at standard NLM on-line user charge rates. This file will replace the 1976 version, which has been available on-line since September 1, 1977. RTECS, formerly the Toxic Substances List, is an annual compilation prepared by the National Institute for Occupational Safety and Health (NIOSH), as mandated by the Occupational Safety and Health Act of 1970 (PL 91-596). The printed version, which is for sale by the Superintendent of Documents, U.S. Government Printing Office,\* offers a detailed description of the purpose and contents of RTECS.

NLM obtained the machine-readable version from NIOSH for conversion to an on-line data retrieval source. Although the Library is making the RTECS file available on-line, NIOSH maintains responsibility for the file contents. Questions on RTECS file contents should be directed to: The Editor, Registry of Toxic Effects of Chemical Substances, National Institute for Occupational Safety and Health, 4676 Columbia Parkway, Cincinnati, OH 45226. Telephone (513) 684-8317. Assistance with search strategy may be obtained by calling the Toxicology Information Program (301) 496-1131.

The new 1977 RTECS file will have toxicity data for 26,478 substances, an increase of approximately 5,500 substances over the 1976 version. There will be Chemical Abstracts Service (CAS) Registry Numbers for approximately 20,000 of these 26,478 substances. In addition to toxicity data, RTECS contains threshold limit values, recommended standards in air, aquatic toxicity data, etc.

An important change in the file structure of the toxicity data field is that the information has been formatted and linked to prevent false drops. The format consists of:

ROUTE; SPECIES; GENERIC SPECIES; STUDY TYPE; VALUE/UNITS; TOXIC EFFECTS;  
SPECIFIC EFFECT;

e.g.:

ORAL; RAT; RODENTS; LD50; 34 mg/kg; TOXIC EFFECTS; CARCINOGENIC

---

\*GPO Order Number 017-033-00271-1; \$17.50 per copy U.S.; \$21.88/copy non-U.S. Microfiche, 4 issues: \$17.50

Another important change is in the PRINT commands. After searching the toxicity data using (IX), one prints only the "hit" information, associated with the substance by entering:

"PRT TOXDATA (or "PRT TD)

The source and data will be printed for only the "hit(s)."  
The source has the RTECS CODEN Term, plus the name of the journal/book, volume, page, year.

If one wants to see all the toxicity data for a chemical, one must enter:

"PRT TOXDATA COMPLETE

To view the entire record on a chemical if one has NOT searched using (IX) one must enter

"PRT DL COMPLETE (or "PRINT DETAILED COMPLETE)

e.g. "NBR KEPONE  
"FIND KEPONE (SY)  
"PRT DL COMPLETE

Note the word COMPLETE must be used.

The new RTECS unit record description contains nineteen (19) data elements. Their abbreviations for search and PRINT are listed below.

ELEMENT NAME	TABLE I		PRINT OPTIONS			
	RTECS - UNIT RECORD DESCRIPTION	DIRECT SEARCH ABBREV.	PRINT ABBREV.	PRT	PRT FULL	PRT TOXDATA
Source Identification	(SI)	SI	X	X	X	X
Chemical Subst. Prime Name	(NI)	NI	X	X	X	X
Chemical & Locant Name Fragments	(NF)	--				
Chemical Definition	(See TW)	CD				X
Chem. Abstr. Reg. No.	(RN)	RN	X	X	X	X
Molecular Formula	(MF)	MF				X
Molecular Formula Fragments	(FF)	--				X
Molecular Weight	--	MW				X
Wiswesser Line Notation	(WL)	WL				X
Synonyms	(SY)	SY				X
Toxicity Data Index Strings	(IX)	TDKW		X*	X	X*
Toxic Data Source	(See CT)	SO		X*	X	X*
Aquatic Toxicity Rating	(See TW)	AQ		X		X
Toxicology & Cancer Review	(See TW)	TC		X		X
Standards & Regulations	(See TW)	SR		X		X
NIOSH Criteria Documents	(See TW)	NC		X		X
Status	(See TW)	ST		X		X
Text Words (unique words from above 6 fields)	(TW)	--				
Citation Terms (textextracted terms from the source field)	(CT)	SO				

\*Note: If Toxicity Data Index Strings are NOT searched, one MUST use either "PRT TOXDATA COMPLETE or "PRT DL COMPLETE.



The search terms for route, species, generic species are shown in TABLE II. The list of toxic effects, or organ system affected, prepared and used by NIOSH, is shown in TABLE III. These terms/phrases are all directly searchable using the abbreviation (IX). Since these appear in the toxicity data field, only the "hits" print when one enters "PRT TOXDATA. Again, one must use "PRT TOXDATA COMPLETE OR "PRT DL COMPLETE to see more or all of the record.

TABLE II

<u>Abbreviations used in RTECS publication</u>	<u>Search Term used in on-line file</u>	<u>Abbreviation used in RTECS publication</u>	<u>Search Term used in on-line file</u>	<u>Generic Keyword added to the on-line file</u>
i pr	INTRAPERITONEAL	brd	BIRD,NOS	BIRDS
orl	ORAL	bdw	BIRD,WILD	BIRDS
ivn	INTRAVENOUS	cat	CAT	CATS
scu	SUBCUTANEOUS	ctl	CATTLE	FARM ANIMALS
skn	SKIN	chd	CHILD	HUMANS
ihl	INHALATION	dog	DOG	DOGS
unr	UNREPORTED	dom	DOMESTIC	FARM ANIMALS
ims	INTRAMUSCULAR	dck	DUCK	BIRDS
par	PARENTERAL	frg	FROG	AMPHIBIA
imp	IMPLANT	grb	GERBIL	RODENTS
itr	INTRATRACHEAL	ham	HAMSTER	RODENTS
rec	RECTAL	hmn	HUMAN	HUMANS
ipl	INTRAPLEURAL	inf	INFANT	HUMANS
idr	INTRADERMAL	mam	MAMMAL,NOS	
idu	INTRADUODENAL	man	MAN	HUMANS
ice	INTRACEREBRAL	mky	MONKEY	
iat	INTRAARTERIAL	mus	MOUSE	RODENTS
ial	INTRAAURAL	pig	PIG	FARM ANIMALS
icv	INTRACERVICAL	pgn	PIGEON	BIRDS
ipc	INTRAPLACENTAL	qal	QUAIL	BIRDS
irn	INTRARENAL	rbt	RABBIT	RODENTS
isp	INTRASPINAL	rat	RAT	RODENTS
ivg	INTRAVAGINAL	sql	SQUIRREL	RODENTS
ocu	OCULAR	tod	TOAD	AMPHIBIA
mul	MULTIPLE	trk	TURKEY	BIRDS
		wmn	WOMAN	HUMANS
		ckn	CHICKEN	BIRDS
		gpg	GUINEAPIG	RODENTS
		cow	COW	FARM ANIMALS
		ewe	EWE	FARM ANIMALS
		shp	SHEEP	FARM ANIMALS

NOS = Not Otherwise Specified

TABLE III

RTECS: List of Toxic Effects

Allergenic	Mucous Membrane
Blood Clotting Mechanism	Musculoskeletal
Blood	Mouth
Blood Pressure	Mutagenic
Carcinogenic	Neoplastic
Central Nervous System	Peripheral Nervous System
Corrosive	Psychotropic
Cumulative	Pulmonary System
Cardiovascular	Red Blood Cell
Drug Dependence	Skin
Eye	Systemic
Gastrointestinal Tract	Teratogenic
Glandular	Toxic Effects Unspecified
Irritant	White Blood Cell

These are searchable as index strings, i.e. (IX) CENTRAL NERVOUS SYSTEM.  
They print as part of the toxicity data keywords,

"PRT TDKW

Users are encouraged to enter "FILE RTECS then enter "EXPLAIN UNIT RECORD.

If you have any questions regarding RTECS, please contact the Toxicology Information Program at (301) 496-1131.

SAMPLE SEARCH

"FILE RTECS  
PROG:  
YOU ARE NOW CONNECTED TO THE RTECS FILE.

SS 1 /C?  
USER:  
(NF) BENZENE  
PROG:  
SS (1) PSTG (187)

SS 2 /C?  
USER:  
(IX) ORAL AND CARCINOGENIC  
PROG:  
SS (2) PSTG (511)

SS 3 /C?  
USER:  
1 AND 2  
PROG:  
SS (3) PSTG (8)

SS 4 /C?

USER:

"PRT 1 TOXDATA

PROG:

SI - NIOSH/CY28000

N1 - BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

RN - 94-59-7

S0 - JNCIAM Journal of the National Cancer Institute. 42,1101,69

TDKW-ORAL;MOUSE;RODENTS;TDLo;132 gm/kg/81WIC ;TOXIC EFFECTS

CARCINOGENIC

S0 - ARPAAQ Archives of Pathology. 75,595,63

TDKW-ORAL;RAT;RODENTS;TDLo;175 gm/kg/2YC ;TOXIC EFFECTS; CARCINOGENIC

SS 4 /C?

USER:

"PRT 1 DL COMPLETE

PROG:

SI - NIOSH/CY28000

N1 - BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)-

RN - 94-59-7

TC - CARCINOGENIC DETERMINATION:ANIMAL POSITIVE IARC\*\* IARC Monographs  
on the Evaluation of Carcinogenic Risk of Chemicals to Man. 1,169,72

TC - TOXICOLOGY REVIEW - 1 CITATION

SY - 5-ALLYL-1,3-BENZODIOXOLE

SY - ALLYLCATECHOL METHYLENE ETHER

SY - ALLYLDIOXYBENZENE METHYLENE ETHER

SY - 1-ALLYL-3,4-METHYLENEDIOXYBENZENE

SY - 4-ALLYL-1,2-METHYLENEDIOXYBENZENE

SY - 4-ALLYL-1,2-(METHYLENEDIOXY)-BENZENE

SY - m-ALLYLPYROCATECHIN METHYLENE ETHER

SY - 4-ALLYLPYROCATECHOL FORMALDEHYDE ACETAL

SY - ALLYLPYROCATECHOL METHYLENE ETHER

SY - 1,3-BENZODIOXOLE, 5-ALLYL-

SY - 1,2-METHYLENEDIOXY-4-ALLYLBENZENE

SY - 3,4-METHYLENEDIOXY-ALLYLBENZENE

SY - 5-(2-PROPENYL)-1,3-BENZODIOXOLE

SY - RHYUNO OIL

SY - SAFROL

SY - SAFROLE

SY - SAFROLE MF

SY - SHIKIMOLE

SY - SHIKOMOL

CONTINUE PRINTING? (YES/NO)

USER:

Y

PROG:

MF - 02-C10-H10  
 MW - 162.20  
 WL - T56 B0 D0 CHJ G2U1  
 SO - 27ZTAP Gleason, et al., "Clinical Toxicology of Commercial Products-Acute Poisoning," 3rd Ed., Baltimore, Williams and Wilkins, 1968 3,125,69  
 TDKW-ORAL;HUMAN;HUMANS;LDLo;500 mg/kg  
 SO - TXAPA9 Toxicology and Applied Pharmacology. 7,18,65  
 TDKW-ORAL;RAT;RODENTS;LD50;1950 mg/kg  
 SO - ARPAAQ Archives of Pathology. 75,595,63  
 TDKW-ORAL;RAT;RODENTS;TDLo;175 gm/kg/2YC ;TOXIC EFFECTS;CARCINOGENIC  
 SO - FCTXAV Food & Cosmetics Toxicology. 2,327,64  
 TDKW-ORAL;MOUSE;RODENTS;LD50;2350 mg/kg  
 SO - JNCIAM Journal of the National Cancer Institute. 42,1101,69  
 TDKW-ORAL;MOUSE;RODENTS;TDLo;132 gm/kg/81WIC ;TOXIC EFFECTS  
 CARCINOGENIC  
 SO - CBCCT\* Chemical Biological Coordination Center, Summary Biological Tests, National Research Council. 1,46,49  
 TDKW-INTRAPERITONEAL;MOUSE;RODENTS;LDLo;64 mg/kg  
 SO - AEXPBL Archiv Fuer Experimentelle Pathologie und Pharmakologie. 35,342,1895  
 TDKW-SUBCUTANEOUS;CAT;CATS;LDLo;500 mg/kg  
 ORAL;RABBIT;RODENTS;LDLo;1000 mg/kg  
 SUBCUTANEOUS;RABBIT;RODENTS;LDLo;1000 mg/kg  
 INTRAVENOUS;RABBIT;RODENTS;LDLo;200 mg/kg

SS 4 /C?

AVLINE UPDATE  
 Virginia White, Technical Services Division, NLM

AVLINE GROWTH

As of February 28, AVLINE contains 5222 titles. 16% (867 titles) are Category B items and 15% (772 titles) are in various stages of the review process (PENDING). 45% (2340 titles) were produced after 1973; 32% (1678 titles) were produced from 1970 through 1973; 23% (1204 titles) were produced before 1970.

AVLINE PUBLICATIONS

The AVLINE citations which appeared in the 1977 quarterly issues of Current Catalog are being cumulated in a separate publication called National Library of Medicine Audiovisuals Catalog, which will be available from the Government Printing Office in late spring. Beginning in 1978, current coverage of audiovisual titles cataloged each quarter will be provided through the quarterly issues of the National Library of Medicine Audiovisuals Catalog. With the exception of audiovisual serials, audiovisual titles will no longer appear in Current Catalog. Titles which are not recommended or pending review will continue to be excluded from publication.

CIP (CATALOGING IN PUBLICATION) FOR AUDIOVISUALS

In February, NLM, in cooperation with the Health Sciences Communication Association (HeSCA), initiated an experimental Cataloging in Publication (CIP) program for audiovisuals. In a process similar to the CIP program for books, NLM has agreed to catalog non-print media from pre-release information supplied by producers. A typed catalog card is returned to the producer for incorporation onto the media itself when it is released for distribution. The CIP cataloging is entered in AVLINF and will be updated as necessary when the title is received at NLM.

CIP records in AVLINE may be identified by a (P) following the classification number; by the phrase "cataloging in publication" in the general notes field, and by the tag "CIP" in the Review Data (RD) field. This latter tag provides an easy way to search for CIP records.

The following is an example of a CIP record in AVLINE.

MH - Mammography\*/\*/videocassettes  
 CN - East Carolina University. School of Medicine. Center for Educational Development and Evaluation  
 CN - American College of Radiology  
 TI - Procedural variations on basic mammographic techniques  
 TC - . [Videorecording].  
 AS - / American College of Radiology ; produced by Center for Educational Development and Evaluation, School of Medicine, East Carolina University.  
 IM - [Greenville, N. C.] : The Center, [1978, made 1977]  
 GN - Cataloging in publication.  
 CA - WP 815 (P)  
 RD - CIP

NEW SERIALS ANNOUNCEMENT - JANUARY 1978  
 Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. A plus (+) indicates that the title appears in Index Medicus. An asterisk (\*) 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.

+\*AFRICAN JOURNAL OF MEDICINE  
 AND MEDICAL SCIENCES  
 5, 1976--  
 Blackwell Scientific Publications  
 Continues African Journal of  
 Medical Sciences.  
 London, England

\*BEHAVIORAL ANALYSIS AND MODIFICATION  
 2, 1977--  
 Urban and Schwarenberg  
 Continues European Journal of  
 Behavioral Analysis and  
 Modification  
 Munich, West Germany

CARDIOVASCULAR RADIOLOGY

1, 1978--

Springer Verlag

Supersedes Theoretical and

Applied Genetics

Berlin, West Germany

DEVELOPMENTS IN ENDOCRINOLOGY

1, 1977--

Elsevier/North-Holland

Amsterdam, Netherlands

DOWNSTATE SERIES OF RESEARCH IN  
PSYCHIATRY AND PSYCHOLOGY

1, 1977--

Plenum

New York, New York

HOSPITAL TRUSTEE

1, 1977--

Canadian Hospital Association

Toronto, Canada

\*INDEX TO CARIBBEAN MEDICAL

LITERATURE

1976--

Trinidad and Tobago. Ministry of  
Health General Hospital

Compiled by the Medical Library,  
General Hospital, Port of Spain

Port of Spain, Trinidad and Tobago

INFECTION CONTROL ROUNDS

1, 1977--

Minnesota Mining and

Manufacturing Company

St. Paul, Minnesota

\*MEDICAL INSTRUMENTATION SERIES AAMI

1976--

Association for the Advancement  
of Medical Instrumentation

Washington, DC

PANORAMA ACTUAL DEL MEDICAMENTO

1, 1977--

Consejo General de Colegios

Oficiales de Farmaceuticos

Madrid, Spain

PROCEEDINGS OF THE NATIONAL  
CONFERENCE ON THE ADVANCEMENT  
OF RESEARCH

29, 1975--

National Conference on the  
Advancement of Research

Continues Proceedings of the

National Conference on the

Administration of Research

Philadelphia, Pennsylvania

REVISTA CATARINENSE DE ODONTOLOGIA

1, 1974--

Associacao Brasileira de

Odontologia Seccao de Santa

Catarina

Florianopolis, Brazil

SAME-DAY SURGERY

1, 1977

Atlanta, Georgia

SCHA JOURNAL

1, 1975--

South Carolina Hospital

Association

West Columbia, South Carolina

\*SOCIETY FOR NEUROSCIENCE SYMPOSIA

2, 1976--

Society for Neuroscience

V.I Published as Monograph under

Title: Neurotransmitters Hormones

and Receptors; Novel Approaches

Bethesda, Maryland

THYROID TODAY

1, 1977--

Ethical Communications, Inc.

Evanston, Illinois

ZEITSCHRIFT FUR PLASTISCHE  
CHIRURGIE

1, 1977--

Hippokrates Verlag

Stuttgart, West Germany

LIST OF MONOGRAPHS INDEXED

MARCH 1978

**B**

**Brain and heart infarct / editors, K. J. Zülch ... [et al.]**  
; with contributions by N. Battistini ... [et al.]. -- Berlin  
; New York : Springer-Verlag, 1977. xx, 349 p. : ill.  
Proceedings of a symposium held in Cologne, 1976.  
1. Cerebrovascular Disorders - etiology - congresses  
2. Myocardial Infarct - etiology - congresses I.  
Battistini, N. II. Zülch, Klaus Joachim, 1910- ed.  
III. Title: Symposium on brain and heart infarct  
ISBN 0-387-08270-0 LC: 77-8814  
04NLM: WL 355 B814 1976  
IM Cit. No. 7703858 (rev. CIP.)

**E**

**Egon Lorenz Memorial Symposia, Washington, D. C., 1976.**  
**Experimental hematology today / edited by Siegmund**  
**J. Baum, G. David Ledney.** -- New York :  
Springer-Verlag, c1977. Selected papers given at the  
Egon Lorenz Memorial Symposia, presented as part of  
the fifth annual meeting of the International Society for  
Experimental Hematology held in Washington, D. C. in  
1976.  
1. Hematology - congresses I. Baum, Siegmund J.,  
ed. II. Ledney, G. David, ed. III. International  
Society for Experimental Hematology. IV. Title  
ISBN 0-387-90208-2 LC: 77-8668  
04NLM: WH 100 E305e 1976  
IM Cit. No. 7703899 (rev. CIP.)

**I**

**International Congress on Medicinal Plant Research, 1st,**  
**University of Munich, 1976.** New natural products and  
plant drugs with pharmacological, biological, or  
therapeutical activity : proceedings of the first  
International Congress on Medicinal Plant Research,  
section A, held at the University of Munich, Germany,  
September 6-10, 1976 / edited by H. Wagner and P. M.  
Wolff. -- Berlin ; New York : Springer-Verlag, 1977.  
xi, 286 p. : ill. -- (Proceedings in life sciences)  
1. Drugs - congresses 2. Plants, Medicinal -  
congresses I. Wagner, Hildebert, 1929- ed.  
II. Wolff, Peter Maria, 1932- ed. III. Title  
IV. Series  
ISBN 0-387-08292-1 LC: 77-8846  
04NLM: W3 IN632M 1976n  
0XNLM: [QV 766 I61 1976n]  
IM Cit. No. 7703974 (rev. CIP.)

**International Symposium on Radiation-Induced**  
**Leukemogenesis and Related Viruses, Bordeaux, 1976.**  
Radiation-induced leukemogenesis and related viruses :  
proceedings ... / sponsored by Institut national de la santé  
et de la recherche médicale et Commission des  
communautés européennes ; editor, J. F. Duplan. --  
Amsterdam ; New York : North-Holland Pub. Co. ; New  
York : sole distributor for the U. S.,  
Elsevier/North-Holland, c1977. xxi, 331 p. : ill. --  
(INSERM symposium ; no. 4) Includes bibliographies.  
1. Leukemia, Radiation-Induced - congresses 2.  
Leukoviruses - congresses I. Duplan, J. F., ed.  
II. Commission of the European Communities. III.  
Institut national de la santé et de la recherche médicale.  
IV. Title V. Series  
ISBN 0-7204-0634-X LC: 77-1771  
04NLM: W3 I35 no.4 1976  
0XNLM: [QZ 350 I616r 1976]  
IM Cit. No. 7800171

**M**

**Myocardial failure / editors, G. Riecker, A. Weber, J.**  
**Goodwin, co-editors, H.-D. Bolte ... [et al.].** -- Berlin  
; New York : Springer-Verlag, 1977. xiv, 374 p. : ill.  
-- (International Boehringer Mannheim symposia)  
Proceedings of an international symposium held in  
Rottach-Egern at Tegernsee, Germany, June 17-19,  
1976, under the auspices of the European Society of  
Cardiology.  
1. Heart Failure, Congestive - congresses I.  
Goodwin, John F., ed. II. Riecker, G., 1926- ed.  
III. Weber, Anne-Marie, 1923- ed. IV. European  
Society of Cardiology. V. Series

ISBN 0-387-08225-5 LC: 77-5159  
04NLM: WG 370 M997 1976  
IM Cit. No. 7703053 (rev. CIP.)

**W**

**Workshop on Animal Models in Psychiatry and Neurology,**  
**Rockville, Md., 1977.** Animal models in psychiatry and  
neurology / edited by I. Hanin and E. Usdin. -- 1st ed.  
-- Oxford ; New York : Pergamon Press, 1977. xiv, 499  
p. : ill.  
1. Disease Models, Animal - congresses 2. Mental  
Disorders - congresses 3. Neurology - congresses  
I. Hanin, Israel, ed. II. Usdin, Earl, ed. III. Title  
ISBN 0-08-021556-4 LC: 77-30306  
04NLM: WM 100 W897a 1977  
IM Cit. No. 7800109

National Library of Medicine

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Bethesda, Maryland 20014

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Signature

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Date

\_\_\_\_\_  
Telephone Number



## SUBHEADINGS WITH ALLOWABLE CATEGORIES, INCLUDING DATES OF USAGE, BY CATEGORY

A single year is the first year the subheading was used with the category. If the subheading is not currently being used with the category, the range of years it was used is provided.

Category A - Anatomy

66 AB /abnorm - not A10, 11, 12, 16	66 EN /enzymol	66 PA /pathol - not A12
67 AN /anal	66 GD /growth - not A10, 11, 12, 16	66 PH /physiol
66 AH /anat - not A11, 12	68 IM /immunol	66 PP /physiopathol - not A11, 12
66 BS /blood supply - not A7, 11, 12	67 IN /inj - not A10, 11, 12, 16	66 RE /rad eff
66 CY /cytol - not for sub- cellular terms	66 IR /innerv - not A8, 10, 11, 12	67 RA /radiogr
66 DE /drug eff	66 ME /metab	78 RI /radionuclide
66 EM /embryol - not A11, 12, 16	67 MI /microbiol	68 SE /secret
	75 PS /parasitol	66 SU /surg
		66 TR /transpl
		75 UL /ultrastruct - not A12

Category B - Organisms

67 N /anal - not B2	66 EN /enzymol - not B2	75 PS /parasitol - only B1, 2, 6
66 AH /anat - not B3, 4	78 GE /genet	66 PG /pathogen - not B2, 6
75 BL /blood - only B2	66 GD /growth	66 PH /physiol
66 CL /class	66 IM /immunol	66 RE /rad eff - not B2
75 CF /csf - only B2	66 IP /isol - not B2, 6	77 SU /surg - only B2
66 CY /cytol - not B2, 4	66 ME /metab	75 UL /ultrastruct - not B2
66 DE /drug eff - not B2	75 MI /microbiol - only B1, 2, 6	75 UR /urine - only B2
67 EM /embryol - not B3, 4, 5		

Category C - Diseases

75 AN /anal - only C4	68 EN /enzymol	66 PC /prev
67 BL /blood	66 ET /etiol	78 PX /psychol
76 BS /blood supply - only C4	66 FG /familial	67 RA /radiogr
67 CI /chem ind	66 HI /hist	78 RI /radionuclide
67 CL /class	66 IM /immunol	66 RT /radiother
66 CO /compl	66 ME /metab	67 RH /rehabil
66 CN /congen - not C16	67 MI /microbiol	76 SE /secret - only C4
67 CF /csf	67 MO /mortal	66 SU /surg
66 DI /diag	66 NU /nurs	66 TH /ther
75 DH /diet ther	66 OC /occur	75 TM /transm
66 DT /drug ther	75 PS /parasitol	77 UL /ultrastruct - only C4
78 EC /econ	66 PA /pathol	67 UR /urine
77 EM /embryol	66 PP /physiopathol	66 VE /vet - not C22

Category D - Chemicals & Drugs

66 AD /admin	67 CF /csf - not D25, 26	67 PH /physiol - not D25, 26
66 AE /adv eff	75 DF /defic - not D25, 26	66 PO /pois
67 AN /anal	67 DU /diag use	68 RE /rad eff
75 AA /analogs - not D8, 25, 26	78 GE /genet - only D6, 8-13, 24	68 SE /secret
68 AI /antag - not D25, 26	66 HI /hist	68 ST /stand
66 BI /biosyn - not D25, 26	75 IM /immunol - not D25, 26	68 SD /supply
67 BL /blood - not D25, 26	69 IP /isol	66 TU /ther use
68 CS /chem syn	66 ME /metab	66 TO /tox
67 CL /class	66 PD /pharm	67 UR /urine - not D25, 26

Category E - Procedures & Technics

66 AE /adv eff	66 IS /instrum	78 PX /psychol - not E7
67 CL /class	68 MA /man - only E6	68 ST /stand
78 EC /econ	75 MT /methods	68 SD /supply
75 ED /educ	67 MO /mortal	68 UT /util
66 HI /hist	70 NU /nurs	67 VE /vet

Category F - Psychology & Psychiatry

F1 & F2

67 CL /class	66 HI /hist - only SPEC	75 PH /physiol
67 DE /drug eff	66 IS /instrum - only SPEC	75 RE /rad eff
67 ED /educ - only SPEC		

F3

67 BL /blood	66 ET /etiol	66 PA /pathol
67 CI /chem ind	66 FG /familial	66 PP /physiopathol
67 CL /class	66 HI /hist	66 PC /prev
66 CO /compl	70 IM /immunol	78 PX /psychol
67 CF /csf	66 ME /metab	68-77 RA /radiogr
66 DI /diag	75 MI /microbiol	66-74 RT /radiother
75 DH /diet ther	67 MO /mortal	67 RH /rehabil
66 DT /drug ther	66 NU /nurs	66 SU /surg
78 EC /econ	66 OC /occur	66 TH /ther
68 EN /enzymol	75 PS /parasitol	67 UR /urine

F4

75 AE /adv eff	66 IS /instrum	69 ST /stand
67 CL /class	68 MA /man	75 SD /supply
67 ED /educ	75 MT /methods	78 TD /trends
66 HI /hist	67 MO /mortal	

Category G - Biological Sciences, Health Occupations, Environment,  
Biology & Physiology

68 AN /anal - only G3	66 HI /hist - only G1-3	68 PC /prev - only G3
67 CL /class - all trees	66 IS /instrum - only G1-3	66 RE /rad eff - only G4-12
66 DE /drug eff - only G4-11	68 MA /man - only G1, 2	75 ST /stand - only G1-3
67 ED /educ - only G1-3	75 MT /methods - only G1-3	78 TD /trends - only G1-3
	66-69 PH /physiol	75 UT /util - only G1-3

Category H - Physical Sciences

66 AE /adv eff	66 HI /hist	68 ST /stand
67 CL /class	66 IS /instrum	75 SD /supply
68 DU /diag use	68 MA /man	67 TU /ther use
67 ED /educ	75 MT /methods	75 UT /util

Category I - Social Sciences

67 CL /class	68 MA /man	75 SD /supply
67 ED /educ	75 MT /methods	78 TD /trends
66 HI /hist	75 PC /prev - only I1	75 UT /util
78 LJ /legis - only I1, 2	68 ST /stand	

Category J - Technology, Industry, Agriculture, Food

70 AE /adv eff	66 HI /hist	75 RE /rad eff
68 AN /anal	68 IS /instrum	68 ST /stand
67 CL /class	75 MA /man	75 SD /supply
75 ED /educ - with discretion	75 MT /methods	68 TO /tox
	68 PO /pois	75 UT /util

Category K - Humanities

75 CL /class	75 ED /educ	66 HI /hist
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Category L - Information & Communication

75 CL /class	75 IS /instrum	68 ST /stand
75 ED /educ	68 MA /man	68 SD /supply
66 HI /hist	75 MT /methods	68 UT /util

Category M - Named Groups

75 CL /class	72 ED /educ	66 HI /hist
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Category N - Health Care

68 CL /class	78 LJ /legis - only N2-4	68 ST /stand
78 EC /econ - only N2-4	68 MA /man - only N2-4	68 SD /supply - only N2-4
68 ED /educ - only N1, 2	75 MT /methods	78 TD /trends
68 HI /hist	78 OG /organ - only N2-4	68 UT /util

Category Z - Geographic Names

75 EH /ethnol



# THE NLM TECHNICAL BULLETIN

FORMED BY THE UNION OF  
THE LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN AND THE TOXLINE TECHNICAL BULLETIN

MARCH 78

No. 107

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

FILES				
DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	5,623	....-1977	4 APR 78	
BACK66	545,463	JAN 66-DEC 68	19 DEC 77	
BACK69	649,346	JAN 69-DEC 71	19 DEC 77	
BACK72	671,116	JAN 72-DEC 74	19 DEC 77	
+BACK75	385,601	JAN 75-DEC 75	19 DEC 77	
*CANCERLIT	118,998	JAN 63-MAR 78	27 MAR 78	7803(ED)
*CANCERPROJ	18,233	1976-1978	27 MAR 78	7803(ED)
*CATLINE	174,475	1965-1978	06 APR 78	
CHEMLINE	246,193		15 DEC 77	
*CLINPROT	834		18 APR 77	
*EPILEPSY	22,487	1945-1977	10 APR 78	
*JOURNAL AUTH	4,950	1978		
MEDLINE	482,491	JAN 76-MAY 78	10 APR 78	7805(IM)
MESH VOC	14,697	1978	19 DEC 77	
*NAME AUTH	95,901	1978	5 APR 78	
*RTECS	26,500	1977	6 MAR 78	
SDILINE	20,459	MAY 78	10 APR 78	
*SERLINE	30,180	1978	21 MAR 78	
*TOXLINE	437,311		20 MAR 78	7803(ST)
CBAC	221,896	1974-VOL 27, 1-5		
TOXBIB	92,246	1974-APR 78		
IPA	25,689	1974-JAN 78		
HEEP	57,180	1974-APR 78		
PESTAB	11,604	1974-NOV 77		
EMIC	19,093	1960-1977		
ETIC	9,603	1950-1977		
*TOXBACK	379,299		6 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

- 1) \* = FILES AVAILABLE AT NLM ONLY.
- 2) + = CITATIONS WITH PUBLICATION YEAR OF 1975 OR EARLIER BUT ENTRY DATE OF 1976 OR 1977 ALSO INCLUDED.
- 3) THE BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

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TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference 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 the item may pertain to other sections of the Manual.

ELHILL - LIMIT= has been added to OFFSEARCH as a new keyword for an optional field. Users who wish to limit their OFFSEARCH printouts to less than the present 500 citations per search statement per data base limit may do so by specifying LIMIT= (followed by any one-, two-, or three-digit number less than 500). If the LIMIT= statement is not used, then the 500 limit applies. The keyword should be typed after any USER: cue when the program is requesting information but not during the search portion of the OFFSEARCH.

Example:

PROG:  
SEARCH TITLE, OR NONE-

USER: (in this instance, limits the retrieval  
for the search statement numbers entered  
LIMIT=100 in response to SSNOS/OVRIDES to 100 cita-  
tions per search statement per data base)

PROG:  
SEARCH TITLE, or NONE-

PUBLICATIONS - NLM expects delivery of the updated On-Line Services Reference Manual by the 15th of April. One complementary copy of the new manual will be mailed to each U.S. on-line center. Additional copies may be purchased from the National Technical Information Service (NTIS), U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia, 22161. The accession number for ordering is PB-277-167; the superseded number is PB-253-557. The price is \$15.00 per copy or \$3.00 for microfiche.

- The 1978 List of Journals Indexed in Index Medicus (LJI) issued as a separate publication is available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402. The stock number is S/N 017-052-00191-4. Prices: \$3.50 domestic; \$4.40 foreign.

- Copies of Permuted Medical Subject Headings, 1978, will be available at NTIS around the middle of April. Searchers may place orders now with the National Technical Information Service (NTIS), U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia, 22151. The accession number is PB-277-921; the superseded number is PB-259-021. The price is \$11.75 a copy or \$3.00 for microfiche.

MESH

- Pages LXIV and LXV of the 1978 Alphabetic Annotated Medical Subject Headings contain incorrect abbreviation information for /methods in the array for Categories E, F4, G-J, L and N only. The correct abbreviation for /methods is MT.
- As of February 27, 1978, hyphenated minor or major descriptors (excluding NON MESH descriptors) may be entered either with the hyphen or with a space in place of the hyphen. The non-hyphenated version may be entered either as a single descriptor or in an "explode" expression. For example: EPSTEIN-BARR VIRUS may be entered as EPSTEIN BARR VIRUS, and STEROID-21-HYDROXLASe may be entered as STEROID 21 HYDROXLASe. Please note that this capability does not apply to entry terms, i.e., terms preceding "see" in a "see" cross reference.
- In the MeSH file, the name of the data element HN (History Note) has been changed to PI (Previous Indexing).

TELEPHONE  
DIRECTORY

- MEDLARS Management Section wants to compile a telephone directory of domestic on-line search analysts and other persons working in related activities. If you wish to be included in this directory, please complete the form included with this Bulletin. Only those persons returning this form by April 30 will be included in the directory to be issued in May 1978.

LITERATURE  
SEARCHES

- Appendix A is a keyword index to NLM Literature Searches (1974 through 1977).

## BIOETHICSLINE

LeRoy Walters, Ph.D., Kennedy Center for Bioethics, Georgetown University  
Bruno M. Vasta, Chief, Bibliographic Services Division, NLM

BIOETHICSLINE is a new data base in the Library Network which provides bibliographical information on questions of ethics and public policy arising in health care or biomedical research. Bioethics can be defined as the systematic study of value questions prevalent in the biomedical and behavioral fields. Among the topics covered by BIOETHICSLINE are the following: medical confidentiality; euthanasia; genetic intervention; abortion; informed consent; behavior control techniques; human experimentation; psychosurgery; recombinant DNA research; the definition of death; and the allocation of scarce medical resources.

Developed at the Center for Bioethics, Kennedy Institute, Georgetown University, BIOETHICSLINE contains nearly 5,000 English language citations published from 1973 to the present. The new data base incorporates a variety of media and literary forms including journal and newspaper articles, monographs, essays in monographs, court decisions, bills, statutes and audiovisuals. Materials are selected from the open literature of medicine, nursing, the biological sciences, philosophy, religion, law and the behavioral sciences, as well as from the popular media.

Currently, BIOETHICSLINE contains approximately 5,000 records with plans to update this file every four months. Around 1,500 new records will be added each year. In the preparation of this data base, a cross-disciplinary monitoring system has been employed by Dr. LeRoy Walters and his staff at the Kennedy Institute. Sixty indexes and other reference tools as well as seventy journals are systematically reviewed for pertinent citations and documents discussing bioethical issues. In addition, three data bases are routinely searched for relevant citations:

- (1) MEDLINE
- (2) CATLINE
- (3) New York Times Information Bank

A typical unit record in BIOETHICSLINE includes the following data elements: personal or corporate author; title; source and date; designation of literary form or medium; number of references; a list of Medical Subject Headings describing the content of the document; and a parallel list of keywords from the Bioethics Thesaurus. The data base is now available to all domestic users of the Library's on-line services.

The information contained in BIOETHICSLINE is also available in printed annual volumes of the Bibliography of Bioethics, published by the Gale Research Company of Detroit, Michigan. Each volume of the Bibliography, edited by Dr. Walters, includes an Introduction, the Bioethics Thesaurus, a Subject Entry Section, and Title and Author Indexes.

NOTE: BIOETHICSLINE is available to U.S. centers only and will be free through April 1978.



## NON-PRINT ENTRY TERMS

Clifford A. Bachrach, M.D., Medical Subject Headings, NLM

Apparently, some MEDLINE searchers are unaware of the existence, in the on-line MeSH file, of "non-print entry terms". These are entry terms that function, in the computer, like other entry terms, but they do not appear in the printed MeSH publications. Most non-print entry terms are not created with searchers' needs in mind, and have limited value for the searchers. However, because searchers may encounter them in the on-line MeSH file, and be curious about them, they deserve an explanation.

A non-print entry term (NPET) may be created for at least three reasons.

Sometimes when a term is changed, it may seem undesirable to continue the earlier term as a cross reference in the printed MeSH. This may occur, for example, when we correct a misspelling, when we replace unacceptable or obsolete taxonomic terms, or when we substitute a newly accepted generic name for a proprietary drug name that was previously used for lack of a generic. Yet if we were to delete the old term from MeSH entirely, the on-line searcher who happened to be using an out-of-date MeSH would receive a NO POSTINGS message, and feel that he/she had run into a stone wall. In 1978, we corrected the spelling of Feline Calicivirus. We did not want to retain our misspelling in 1978 printed MeSH even as an entry term. But to reduce searcher frustration we made the incorrect spelling a NPET to FELINE CALICIVIRUS so that the computer would recognize the older spelling and accept it. This capability would also have been helpful if it had been necessary to input some citations that had been indexed by 1977 MeSH after inputting for 1978 MEDLINE had begun.

A great many NPET's have been created to accommodate the indexer. The indexer encounters chemical terms and eponyms in the literature, sometimes with, and sometimes without hyphens. To spare him the nuisance of having to recall or look up which is the acceptable MeSH form, we input both forms, with the preferred form as the descriptor and the other as NPET. To a limited degree, certain spelling variants are also NPET's for the same purpose. If the variant spelling would appear far from the descriptor in the Alphabetic MeSH, it might be made a print entry term ("see reference"), but if it would appear very close to the descriptor itself, printing it would clutter the printed MeSH unnecessarily.

Some NPET's have been introduced to MeSH for the purpose of enabling us to add MeSH descriptors automatically to files containing citations that have already been indexed by some other thesaurus. The new Bioethics file provides numerous examples. Under the MeSH descriptor ETHICS one will find 13 NPET's representing specific ethical systems that are much too detailed to be appropriate to a thesaurus such as MeSH, which is primarily medical in emphasis. Yet all 13 of these terms are used in the original indexing of the Bioethics citations and all are needed in the MeSH file in order to introduce the MeSH term ETHICS to these citations as the Bioethics tapes are converted for use on our computer.

The searcher may occasionally enter as a search statement a text word which he knows does not occur in his printed MeSH, and he may forget

to append (TW). If, instead of NO POSTINGS, he is given a postings count, he should consider the possibility that he has hit upon a non-print entry term. He can verify his suspicion by reference to the on-line MeSH file.

In the MeSH file, the backward cross references are designated by the mnemonic BX. Under the descriptor DIHYDROERGOTOXINE one finds five BX entries:

BX - DIHYDROERGOTOXIN:Ø  
 BX - HYDERGINE:1  
 BX - DIHYDROERGOCRYPTINE:2  
 BX - DIHYDROERGOCRISTINE:2  
 BX - DIHYDROERGOCORNINE:2

DIHYDROERGOTOXIN is a variant spelling that indexers are likely to encounter. We don't want to list it immediately before the descriptor itself in alphabetic MeSH, but we do want the computer to accept it. The zero that follows this BX indicates that it is a non-print entry term. The digit 1 indicates that HYDERGINE is a print entry term, and the digit 2 indicates that each of these three substances are minor descriptors that map to DIHYDROERGOTOXINE.

REQUESTING MONOGRAPHS ON INTERLIBRARY LOAN FROM NLM  
 Lou S. Knecht, MEDLARS Management Section, NLM

The following procedures should clarify the retrieval of bibliographic information from the National Library of Medicine's (NLM) data bases when requesting interlibrary loans of monographs. Please incorporate these steps in preparing ILLs: (Refer to Sample Search below)

STEP 1 - Title key search or Text Word search the title in CATLINE.

- a. Use the ALL technique for the most inclusive searching.
- b. For the symposium titled Genetic Aspects of Host-Parasite Relationships, input: ALL GENETIC AND ALL RELATIONSHIPS

STEP 2 - "PRT or "PRT FULL the CATLINE record retrieved.

- a. Look at the CA or call number field. In this example, the CA field occurs three times. Each occurrence has a different notation appended:
  1. 04NLM means the National Library of Medicine in Region IV uses this call number on the piece. Other libraries may use NLM's classification, but it is rare that the complete call number would be used as is.
  2. 01HMS means that the Francis A. Countway Library of Medicine, Harvard University in Region I uses this call number on the piece.

NOTE: NLM is involved in cooperative cataloging with three libraries: 01HMS; 02SSY - Upstate Medical Center of the State University of New York, Syracuse; and 11CLA - Biomedical Library at the University of California at Los Angeles.

3. OXNLM means that NLM has provided this number for use by other libraries, but the piece does NOT exist under it at NLM.

In addition, there are two other CA notations:

4. (P) means the piece is Cataloging in Publication (CIP) material and may not be available yet if requested on ILL.

5. WDNLM means the piece has been withdrawn from NLM.

Always include the 04NLM call number on your ILL slip. Any ILL verified in CATLINE or MEDLINE without a 04NLM call number will be rejected by NLM. Do NOT request items by the OXNLM, 01HMS, or 02SSY number nor items with the WDNLM notation.

b. Look for the IX field (Index Medicus indicator).

1. NLM indexes selected monographs for inclusion in MEDLINE and Index Medicus. These monographs will have the IX field containing the value IM in their CATLINE records. Use the 04NLM call number to search MEDLINE.

2. If the IX field is absent from the CATLINE record, then the piece is not in MEDLINE. However, there are some maintenance errors in the system. For example, some CATLINE records for indexed titles may lack the IM tag, so it is best to search a given title in MEDLINE even if the IX field is absent. Also some indexed titles will not retrieve on MEDLINE because of call number changes.

STEP 3 - Search MEDLINE with the 04NLM call number from the CATLINE record. Input the exact number and truncate, e.g., WB BR46 v.14 1976: Truncation will permit retrieval even if the call number has a period at the end of its field.

a. Postings retrieved.

1. "PRT will list a modified Table of Contents of the piece where:  
AU=author(s) of an article/chapter in the book  
TI=title of that article/chapter plus its inclusive pages  
SO=bibliographic information for the book in which the article/chapter is found: Author/editor. Title. Place of publication, Publisher, Date.  
04NLM call number.

2. Select chapter(s) of interest.

3. Request a photocopy of each chapter on a separate ILL form. Include NLM's call number.

NOTE: Copy 2s of these IM titles do circulate, but heavy demand usually means a long waiting period for loan of the original.

b. No postings retrieved.

1. If the contents of the piece are known from another bibliographic source, please request photocopies of each article/chapter needed. Include the NLM call number obtained from CATLINE.

2. If the contents of the piece are unknown, request the loan of the original. In case NLM has marked the piece as "Non-circulating" because of heavy demand, write in the following notation on the ILL form:

"If non-circulating, please copy Table of Contents"

PLEASE CONVEY THIS INFORMATION TO YOUR INTERLIBRARY LOAN LIBRARIAN.

Sample Search: (NOTE: The numbers refer to the points made above.)

```

1 → "FILE CATLINE
    PROG:
    YOU ARE NOW CONNECTED TO THE CATLINE FILE.

    SS 1 /C?
    USER:
    ALL GENETIC AND ALL RELATIONSHIPS

    PROG:
    SS (1) PSTG (1)

    SS 2 /C?
    USER:
    "PRT

    PROG:

    1
    PN - TAYLOR, ANGELA E. R.///ED./
    PN - MULLER, R.///ED./
    CN - BRITISH SOCIETY FOR PARASITOLOGY/
    TI - GENETIC ASPECTS OF HOST-PARASITE RELATIONSHIPS/G
    IM - OXFORD ::BLACKWELL SCIENTIFIC PUBLICATIONS ; PHILADELPHIA :
        DISTRIBUTED IN THE U. S. A. BY LIPPINCOTT,:1976.
    CO - VII, 110 P. ::ILL.
    CE - BRITISH SOCIETY FOR PARASITOLOGY. SYMPOSIA ; V./14/G
2a. → CA - W3 BR46 V.14 1976:04NLM
    CA - QX 3 B862 V.14 1976:01HMS
    CA - [QX 4 B862G 1976]:OXNLM
    MT - CORPORATE NAME MAIN ENTRY
    NO - 7701418
2b1. → IX - IM

    SS 2 /C?
    USER:
3 → "FILE MEDLINE
    
```

PROG:  
YOU ARE NOW CONNECTED TO THE MEDLINE FILE.

SS 1 /C?

USER:

3 → W3 BR46 V.14 1976:

PROG:

SS (1) PSTG (5)

SS 2 /C?

USER:

3a. → "PRT

PROG:

1

AU - CLARKE B

TI - THE ECOLOGICAL GENETICS OF HOST-PARASITE RELATIONSHIPS. PP. 87-103.

SO - IN: TAYLOR AE, MULLER R, ED. GENETIC ASPECTS OF HOST-PARASITE RELATIONSHIPS. OXFORD, BLACKWELL, 1976. W3 BR46 V.14 1976. :

2

AU - MACDONALD WW

TI - MOSQUITO GENETICS IN RELATION TO FILARIAL INFECTIONS. PP. 1-24.

SO - IN: TAYLOR AE, MULLER R, ED. GENETIC ASPECTS OF HOST-PARASITE RELATIONSHIPS. OXFORD, BLACKWELL, 1976. W3 BR46 V.14 1976. :

3

AU - WRIGHT CA

AU - SOUTHGATE VR

TI - HYBRIDIZATION OF SCHISTOSOMES AND SOME OF ITS IMPLICATIONS. PP. 55-86.

SO - IN: TAYLOR AE, MULLER R, ED. GENETIC ASPECTS OF HOST-PARASITE RELATIONSHIPS. OXFORD, BLACKWELL, 1976. W3 BR46 V.14 1976. :

4

AU - RICHARDS CS

TI - GENETICS OF THE HOST-PARASITE RELATIONSHIP BETWEEN BIOMPHALARIA GLABRATA AND SCHISTOSOMA MANSONI. PP. 45-54.

SO - IN: TAYLOR AE, MULLER R, ED. GENETIC ASPECTS OF HOST-PARASITE RELATIONSHIPS. OXFORD, BLACKWELL, 1976. W3 BR46 V.14 1976. :

5

AU - WALLIKER D

TI - GENETIC FACTORS IN MALARIA PARASITES AND THEIR EFFECT ON HOST-PARASITE RELATIONSHIPS. PP. 25-44.

SO - IN: TAYLOR AE, MULLER R, ED. GENETIC ASPECTS OF HOST-PARASITE RELATIONSHIPS. OXFORD, BLACKWELL, 1976. W3 BR46 V.14 1976. :

NLM CATALOGING SECTION USE OF THE 4TH EDITION OF NLM CLASSIFICATION  
 Cataloging Section, Technical Services Division, NLM

The following list explains the new classification numbers as they have been applied from draft copy to the Fourth Edition of the National Library of Medicine Classification. This announcement of new numbers continues the listing begun in the January 1978 issue of the Technical Bulletin and will continue to appear monthly until the final publication of the Fourth Edition is available.

<u>NEW NUMBER</u>	<u>SUBJECT</u>	<u>OLD NUMBER</u>
QW 161	Bacteriophages	QW 160
QW 165.5	Specific DNA groups, A-Z .P3 Parvoviruses	QW 160
QW 166	Oncogenic viruses	QZ 202
QW 940	Immunotherapy	QW 504
W 32.5	Discussion of law (Table G) Medical jurisprudence	By subject
WA 108	Preventive health services	Various places
WL 405	Myelography	WL 400
WM 19.5	Graduate and continuing education	None
WM 401	Emergency psychiatric services	WM 400
WM 450.5	Special types of activity therapy, A-Z .A8 Art therapy	Various places
WS 105.5	Special topics in child psychology, A-Z .E9 External influences (literature, motion pictures, television)	WS 105, BF
WS 107.5	Special topics on mental retardation, A-Z .C6 Communication	WS 107
WS 350.6	Behavior disorders	WS 350
WU 101.5	Malformations and abnormalities of of jaws, mouth, and/or teeth	WU 101
WY 164	Urological nursing	WY 161

USE OF SUBHEADINGS

Thelma Charen, Bibliographic Services Division, NLM

The data to follow are only a matter of interest and bear upon your search methods second to more pressing matters. The figures confirm an indexer's guesses; try your own guessing and see how closely you come to the facts. In the period from January 1976 to February 1978, which subheading do you think was used most frequently in indexing of the 75 available? Aside from /ethnology which has a highly specialized, non-standard use, which do you think was the least used? Out of the running are those introduced as of January 1978 for they could not possibly compete for your interest or attention (/economics, /legislation & jurisprudence, /organization & administration, /psychology, /radionuclide imaging and /trends).

Here are the 10 most frequently used subheadings and the 10 least frequently used:

Most frequently used:

/metabolism	81222	/diagnosis	38616
/pharmacodynamics	66413	/complications	35649
/drug effects	51834	/therapeutic use	35522
/analysis	45068	/blood	35307
/etiology	43755	/physiology	35011

Least frequently used:

/supply & distribution	1000	/nursing	1473
/cerebrospinal fluid	1255	/utilization	1519
/manpower	1288	/transmission	1589
/diet therapy	1396	/congenital	1968
/pathogenicity	1435	/poisoning	2256

The greatest use is not surprising since /metabolism is indexable with the greatest number of categories: A, B, C, D and F3. Since these comprise a total of 72 trees, its use is not unexpected. With the number of drugs in the system (5176), the use of /pharmacodynamics is expected and that /therapeutic use should be in the most-frequently-used group is also natural. Since /drug effects is usable with 33 trees, third place for it is expected.

Note how many of the top ten are clinical terms. Note that /etiology is high and that its usual coordination, /complications, is also high (i.e., headache causing vomiting = VOMITING/etiology + HEADACHE/complications). This coordination accounts for a possible (though not proven) 21682 occurrences.

It might be wise to remind searchers here that in addition to /analysis (45068) they have available also /blood (35307) + /cerebrospinal fluid (1255) + /urine (6450). The implication here is that an article on the analysis of a substance in the blood is indexed under the name of the substance with /blood, not with /analysis.

/physiology was used 35011 times and should be considered in conjunction with /physiopathology which, though assigned to only three categories (A, C, F3), was used 21610 times, making physiology the third most frequently encountered concept in indexing.

Of the 10 least used three (/manpower, /supply & distribution and /utilization) are available to 47 trees but they range over a restricted area, mostly Categories G1-3, I and N. Of the 1000 occurrences of /supply & distribution, 68 were used with Category D and 815 with Category N2 (it is available to also N3 and N4).

It is not especially significant that /congenital is among the least used with /abnormalities used only 4590 times in addition. There are at least three reasons that come to mind: 1. man is born with relatively few

abnormalities or congenital diseases; 2. man's concern for man allows the medical profession to police the hazards of prenatal existence and birth; 3. MeSH gives us about 150 of the most common abnormalities and congenital diseases afflicting the general population and written about in the literature; these serve our needs.

We may view /poisoning as also fortunately among the least used subheadings since this implies that relatively few cases require recording and therefore do not reach an indexer. Too, MeSH also contains seven chemical-poisoning headings (LEAD POISONING, MERCURY POISONING, etc.) and these are used often. In addition /poisoning (2256) can be amplified by the other two members of the toxicological triad of /ad-poi-tox to bring that total to /30190 (= /24547 + /2256 + /3887). We can mention here also that the coordination of /ad-poi-tox and a disease with the subheading /chemically induced (12948) can be viewed as an aspect of /etiology mentioned on the preceding page.

/pathogenicity with 1435 uses is not too unusual. By definition it is restricted to "the ability to cause disease"; most articles are written on the fact of a disease caused by an organism and account for the conspicuously high tally of infections from Categories C1, C2 and C3.

Here is an interesting array:

/anatomy & histology	7554
/cytology	12495
/ultrastructure	18186

But note in relation to them that /pathology (30554) is available as the pathological descriptive counterpart of /anatomy & histology and /cytology.

The tally for the six new subheadings introduced in 1978 to date are:

/psychology	459
/radionuclide imaging	386
/economics	263
/trends	243
/organization & administration	207
/legislation & jurisprudence	148

/psychology can be used with only diseases and procedures; /radionuclide imaging with only organs and diseases. The remaining four have their greatest use with the field of health care and indeed were admitted to MeSH at the request of the American Hospital Association toward use in the expanded coverage of health care in MEDLARS.

The use of subheadings is extremely important to indexers: witness how often they figure in MeSH annotations in comparison with other types of data or admonitions. They are vital to the user of Index Medicus but less vital, I am told, to searchers, who can resort to several other terms in a search equation as a limiting factor. The observations above will affect your approach to searching only minimally, but they should be of interest to you as a reminder of their use and availability.



NEW SERIALS ANNOUNCEMENT - FEBRUARY 1978  
 Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. A plus (+) indicates that the title appears in Index Medicus. An asterisk (\*) 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.

ANNALS OF PLASTIC SURGERY  
 1978--  
 Little Brown and Co.  
 Boston, Massachusetts

BEHAVIORAL MEDICINE  
 5, 1978--  
 Magazines for Medicine  
 Continues Practical Psychology  
 for Physicians  
 New York, New York

BEHAVIORAL BRAIN SCIENCES  
 1978--  
 Cambridge University Press  
 New Rochelle, New York

CANCER NURSING  
 1978--  
 Masson Publishing Co.  
 New York, New York

CHILD ABUSE AND NEGLECT  
 1978--  
 Pergamon Press  
 Elmsford, New York

COMPREHENSIVE MANUALS IN RADIOLOGY  
 1, 1977--  
 Springer-Verlag  
 Berlin, West Germany

CURRENT DIAGNOSTIC PEDIATRICS  
 1, 1977--  
 Springer-Verlag  
 Berlin, West Germany

ENDORPHINS: ENDOGENOUS MORPHINOMIMETIC  
 LIGANDS AND OPIATE RECEPTORS IN THE  
 CENTRAL NERVOUS SYSTEM  
 1976--  
 Brain Information Service  
 Los Angeles, California

GERMAN JOURNAL OF PSYCHOLOGY  
 1, 1977--  
 C.J. Hogrefe  
 Toronto, Canada

GLYCOCONJUGATES  
 1, 1977--  
 Academic Press  
 New York, New York

INDEX RADIOLOGIAE  
 1977--  
 Karl Cleff  
 Berlin, West Germany

ISSUES IN EGO PSYCHOLOGY  
 1, 1975--  
 Washington Square Institute for  
 Psychotherapy and Mental Health  
 New York, New York

JOURNAL OF CHRONIC DISEASES AND  
 THERAPEUTICS RESEARCH  
 1, 1977--  
 Laindon Essex, England

+JOURNAL OF CLINICAL PSYCHIATRY  
 39, 1978--  
 Physicians Postgraduate Press  
 Continues Diseases of the  
 Nervous System  
 Memphis, Tennessee

JOURNAL OF CONTINUING EDUCATION IN  
OBSTETRICS AND GYNECOLOGY  
19N9, 1977--  
Medical Digest  
Continues OB/GYN Digest  
Northfield, Illinois

JOURNAL OF MEDICAL FACULTY -  
UNIVERSITY OF AZARABEDGAN  
10, 1976--  
University of Azarabedgan  
Continues Journal of the Medical  
Faculty of Tabriz  
Tabriz, Iran

+JOURNAL OF NUCLEAR MEDICINE. JNM  
19, 1978--  
Society of Nuclear Medicine  
Continues JNM. Journal of Nuclear  
Medicine. Official Publication of  
the Society of Nuclear Medicine  
New York, New York

JPEN. JOURNAL OF PARENTERAL AND  
ENTERAL NUTRITION  
1, 1977--  
Charles B. Slack  
American Society for Parenteral  
and Enteral Nutrition  
Thorofare, New Jersey

MASSACHUSETTS NURSE  
46, 1977--  
Massachusetts Nurses Association  
Continues Bulletin of Massachusetts  
Nurses Association  
Boston, Massachusetts

NURSE PLANNING INFORMATION SERIES  
1, 1977--  
U.S. HRA. Bureau of Health  
Manpower, Division of Nursing  
Hyattsville, Maryland

REVISTA DEL INSTITUTO NACIONAL  
DE MEDICINA LEGAL DE COLOMBIA  
1, 1975--  
Instituto Nacional de Medicina  
Legal de Colombia  
Supersedes Revista de Medicina  
Legal de Colombia  
Bogota, Colombia

STUDIES OF BRAIN FUNCTION  
1, 1977--  
Springer-Verlag  
Berlin, West Germany

ZETETIC  
1, 1976--  
Committee for the Scientific  
Investigation of Claims of  
the Paranormal  
Buffalo, New York

LIST OF MONOGRAPHS INDEXED

APRIL 1978

A

**Artificial organs** proceedings of a seminar on the clinical applications of membrane oxygenators and sorbent-based systems in kidney and liver failure and drug overdose, held at the University of Strathclyde, Glasgow, in August 1976 / edited by R M Kenedi [et al], editorial associate, Susan M Gerard -- Baltimore University Park Press, c1976 xxviii, 450 p ill -- (Strathclyde bioengineering seminars)  
 1 Adsorption - congresses 2 Hemodialysis - congresses 3 Kidney, Artificial - congresses 4 Liver - congresses 5 Oxygenators, Membrane - congresses 6 Poisoning 1 Kenedi, Robert Maximilian, ed II University of Strathclyde III Title Seminar on artificial organs IV Series  
 ISBN 0-8391-0999-7 LC 76-58343  
 04NLM WO 176 A791 1976  
 IM Cit No 7800302

E

**The Epidemiology of prematurity** / edited by Dwayne M Reed and Fiona J Stanley -- Baltimore Urban & Schwarzenberg, 1977 xiv, 370 p ill Proceedings of a working conference held at National Institute of Child Health and Human Development of the National Institutes of Health, Nov 8-9, 1976  
 1 Infant, Low Birth Weight - congresses 2 Infant, Premature - congresses 3 Labor, Premature - occurrence - congresses 4 Labor, Premature - etiology - congresses I Reed, Dwayne M, 1933- ed II Stanley, Fiona J, ed III National Institute of Child Health and Human Development IV Title Conference on epidemiology of prematurity  
 ISBN 0-8067-1611-8 LC 77-24474  
 04NLM WS 410 E64 1976  
 IM Cit No 7705200 (rev CIP)

**European Society of Toxicology**. Clinical toxicology proceedings of the meeting held at Edinburgh, June 1976 / editors, W A M Duncan, B J Leonard -- Amsterdam Excerpta medica, New York distributed by Elsevier North-Holland, 1977 ix, 348 p ill -- (Excerpta medica International congress series, no 417) ISBN 0-444-15248-2 (Elsevier North-Holland)  
 Proceedings of the European Society of Toxicology, v 18 Text mainly in English, several articles in French I Toxicology - congresses I Duncan, W A M, ed II Leonard, Brian James, ed III Title IV Series V Series European Society of Toxicology Proceedings, v 18  
 ISBN 0-444-15248-2 LC 77-2295  
 04NLM W3 EX89 no 417 1976  
 11CLA W1 EU883 v 18 1977  
 0XNLM [QV 600 E95c 1976]  
 IM Cit No 7800914

F

**Forum on Research with Recombinant DNA, National Academy of Sciences, 1977**. Research with recombinant DNA an Academy forum, March 7-9, 1977 -- Washington National Academy of Sciences, 1977 vii, 295 p ill  
 1 DNA, Recombinant - congresses 2 Research - congresses I National Academy of Sciences II Title  
 ISBN 0-309-02641-5 LC 77-86491  
 04NLM QU 58 F745r 1977  
 IM Cit No 7800867

I

**Intrauterine asphyxia and the developing fetal brain** / edited by Louis Gluck -- Chicago Year Book Medical Publishers, c1977 xvii, 507 p ill Based on a conference sponsored by the Dept of Pediatrics, University of California, San Diego and the Institute for Pediatric Service of the Johnson & Johnson Baby Products, Co and held at San Diego in 1977 Includes bibliographies  
 1 Asphyxia Neonatorum - complications - congresses 2 Brain Damage, Chronic - prevention & control - congresses 3 Brain - embryology - congresses 4 Brain - growth & development - congresses 5 Fetal Anoxia - complications - congresses 6 Infant,

Newborn - congresses 7 Infant, Newborn, Diseases - diagnosis - congresses I Gluck, Louis, 1924- ed II Johnson & Johnson Institute for Pediatric Service III University of California, San Diego Dept of Pediatrics  
 ISBN 0-8151-3711-7 LC 76-50319  
 04NLM WQ 210 I599 1977  
 IM Cit No 7800140

S

**Synapses : the proceedings of an international symposium** / held under the auspices of the Scottish Electrophysiological Society, 29 March-2 April, 1976 general editors, Glen A Cottrell and Peter N R Usherwood -- New York Academic Press, 1977 xviii, 384 p ill  
 1 Synapses - congresses I Cottrell, Glen A, ed II Usherwood, Peter N R, ed III Scottish Electrophysiological Society IV Title International symposium on synapses  
 ISBN 0-12-192550-1 LC 77-73136  
 04NLM WL 102 S9915 1976  
 IM Cit No 7708873

KEYWORD INDEX TO NLM LITERATURE SEARCHES (NOS. 74-1 -- 77-17)  
 Geraldine Nowak  
 MEDLARS Management Section, NLM

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     institutions  
 76-25 RECOMBINANT DNA  
 77-15 RECOMBINANT DNA (Updates LS 76-25)  
 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 Clinical  
     control, (Updates LS 71-25)  
 75-20 RESPONSE (ERA) in the infant and preschool child Auditory evoked  
 75- 1 RETINITIS pigmentosa  
 77-13 RIGHT TO DIE Euthanasia and the  
 75-10 RIGHTS of mentally handicapped patients  
 76-36 ROLE of interferon and interferon inducers in cancer The  
 76-26 ROLES: their influence on individual behavior and on  
     social institutions Sex  
 77- 9 SACCHARIN  
 75-21 SAFETY, regulation and legislation (with emphasis on devices  
     directly used by patients) Medical devices --  
 76-31 SARCOIDOSIS  
 75-28 SCANNER (computerized axial tomography) EMI  
 76-26 SEX roles: their influence on individual behavior and on  
     social institutions  
 77-11 SILICONE on the breast Effects of  
 75-27 SLEEP Infant  
 75- 4 SMOKING related to heart diseases Hypertension and  
 77- 7 SOLID tumors Bone marrow transplantation in leukemia and  
 74- 2 SPINAL cord injuries Rehabilitation in  
 75-26 SPORT medicine  
 75- 6 STANDARDS in clinical laboratories Clinical control, reliability  
     and (Updates LS 71-25)  
 76-18 SUDDEN cardiac death  
 76-17 SUDDEN unexpected death in infants  
 76-29 SWINE influenza  
 77- 1 SYNDROME Guillain-Barre  
 76-39 TALC Untoward effects of  
 77- 6 THALLIUM toxicology  
 77-10 THRIVE Failure to  
 75-28 TOMOGRAPHY) EMI scanner (computerized axial  
 77-14 TOXICITY Asbestos (Includes and updates LS 73-31)  
 77- 4 TOXICOLOGY Bismuth  
 77- 5 TOXICOLOGY Ozone  
 77- 6 TOXICOLOGY Thallium  
 77- 7 TRANSPLANTATION in leukemia and solid tumors Bone marrow  
 76-12 TRAUMA and cancer  
 74-10 TRAUMA Nutrition in

77- 8 TREATMENT of cancer Platinum complexes in the  
77- 7 TUMORS Bone marrow transplantation in leukemia and solid  
76-28 ULCER Licorice in the treatment of peptic  
76-39 UNTOWARD effects of talc  
76-37 U.S. Provision of health care to the poor in the (Updates LS 72-21)  
76-33 VASOACTIVE intestinal polypeptide  
75-25 VINYL chloride Adverse effects of  
74-21 VITAMINS in pregnancy and oral contraception The B  
76-14 WATER fluoridation

New titles are announced in the monthly issues of Index Medicus and in the National Library of Medicine NEWS.

Single copies may be ordered by L.S. Number and title from NLM at no charge.

Send requests with your name and address typed on a gummed label (no return postage necessary) to:

Literature Search Program  
MEDLARS Management Section  
National Library of Medicine  
8600 Rockville Pike  
Bethesda, Maryland 20014



# THE NLM TECHNICAL BULLETIN

FORMED BY THE UNION OF  
THE LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN AND THE TOXLINE TECHNICAL BULLETIN

APRIL 78

NO. 108

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NLM TECHNICAL BULLETIN - APR 78

FILES				
DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	5,685	....-1977	12 APR 78	
BACK66	545,463	JAN 66-DEC 68	19 DEC 77	
BACK69	649,346	JAN 69-DEC 71	19 DEC 77	
BACK72	671,116	JAN 72-DEC 74	19 DEC 77	
+BACK75	385,601	JAN 75-DEC 75	19 DEC 77	
*BIOETHICS	4,976	1972-1977	05 APR 78	
*CANCERLIT	121,566	JAN 63-APR 78	17 APR 78	7804(ED)
*CANCERPROJ	18,233	1976-1978	27 MAR 78	7803(ED)
*CATLINE	174,940	1965-1978	20 APR 78	
CHEMLINE	246,193		15 DEC 77	
*CLINPROT	834		18 APR 77	
*EPILEPSY	22,487	1945-1977	10 APR 78	
*JOURNAL AUTH	4,950	1978		
MEDLINE	482,491	JAN 76-MAY 78	10 APR 78	7805(IM)
MESH VOC	14,697	1978	19 DEC 77	
*NAME AUTH	96,204	1978	19 APR 78	
*RTECS	26,500	1977	6 MAR 78	
SDILINE	20,459	MAY 78	10 APR 78	
*SERLINE	30,180	1978	21 MAR 78	
*TOXLINE	437,311		20 MAR 78	7803(ST)
CBAC	221,896	1974-VOL 27, 1-5		
TOXBIB	92,246	1974-APR 78		
IPA	25,689	1974-JAN 78		
HEEP	57,180	1974-APR 78		
PESTAB	11,604	1974-NOV 77		
EMIC	19,093	1960-1977		
ETIC	9,603	1950-1977		
*TOXBACK	379,299		6 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

- 1) \* = FILES AVAILABLE AT NLM ONLY.
- 2) + = CITATIONS WITH PUBLICATION YEAR OF 1975 OR EARLIER BUT ENTRY DATE OF 1976 OR 1977 ALSO INCLUDED.
- 3) THE BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

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301/496-6193

TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference 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 the item may pertain to other sections of the Manual.

MEDLEARN HOURS (Manual 20.7) - Hours for accessing MEDLEARN have been expanded. The time periods available on the NLM computer for MEDLEARN are as follows:

	3:00 a.m. - 10:00 a.m.
Monday thru Friday	11:00 a.m. - 1:59 p.m.
	5:00 p.m. - 9:00 p.m.

The system limits the number of simultaneous MEDLEARN users to seven.

UPDATE WORKSHOP VIDEOTAPES - Videotapes of a three-hour interactive update workshop on the NLM on-line system broadcasted on November 2, 1977, from the Library in Bethesda via CTS satellite to searchers in Seattle, Denver and Palo Alto have been sent to each Regional Medical Library. These videotapes may be borrowed from the RML's and will not be available from the National Audiovisual Center.

NLM ON-LINE USERS MEETING - There will be an NLM On-Line Users Meeting held as part of the annual MLA (Medical Library Association) Convention in Chicago, Illinois (June 10-15, 1978). This NLM On-Line Users Meeting will be held on Tuesday, June 13 starting at 12:30 p.m. and ending at 2:00 p.m. in the Monroe Room of the Palmer House (convention headquarters). All interested persons are invited to attend.

CANCERPROJ (Manual 17.3.11) - CANCERPROJ contains a number of core grant research projects. These core grants are broad research programs each of which contains several subprojects under it. Since the subprojects all contain the same project description (abstract) as the broad project, in the past, users often have found the same abstract appearing several times in a given search retrieval printout. In order to prevent this

repeated printing of the abstract, now only the broad re-search project carries the project description. In the abstract field for a subproject, the following message, for example, will be found:

This project is part of a broader program whose description may be found by searching P01 CA 21112: (AN)

A multi-meaning message will be received when entering the AN as described above and several AN's will be printed out for your selection. The AN containing only two numerics beyond the hyphen is the broad program description and a complete abstract can be retrieved by typing that number.

Example:

SS 1 /C?

USER:

P01 CA 21112: (AN)

PROG:

MM (P01 CA 21112:) (4)

1 P01 CA 21112-01 (AN)

2 P01 CA 21111-010001 (AN)

3 P01 CA 21112-010002 (AN)

4 P01 CA 21112-010003 (AN)

SPECIFY NUMBERS, ALL, OR, NONE-

USER:

1

PROG:

SS (1) PSTG (1)

SS 2 /C?

USER:

"PRT AB

PROG:

1

XXXX XXX ...

NON-PRIME  
HOURS  
(Manual 1.6)

- Mid-day non-prime hours (11:30 a.m. - 1:00 p.m. E.T.) have been extended until the end of June 1978.

MEDLINE/SDILINE- The following schedule was originally published in the  
 UPDATE October 1977 issue of the Bulletin. It is being republished  
 SCHEDULE for those who may have missed it.  
 FOR 1978

<u>INDEX MEDICUS MONTH</u>	<u>DATE SDILINE AND MEDLINE AVAILABLE</u>
Jan 1978	Dec 19, 1977
Feb	Jan 9, 1978
Mar	Feb 6
Apr	Mar 6
May	Apr 10
Jun	May 8
Jul	Jun 5
Aug	Jul 10
Sep	Aug 7
Oct	Sep 11
Nov	Oct 9
Dec	Nov 6
Jan 1979	Dec 11, 1978

ELIMINATION OF OFFSEARCH CHARGES: AN IMPORTANT ANNOUNCEMENT  
 TO U.S. USERS OF NLM'S ON-LINE DATA BASES  
 Joseph Leiter, Ph.D., Associate Director for Library Operations, NLM

Effective May 1, 1978, the charge of \$1.00 per offsearch per file will be eliminated for all NLM data bases on a trial basis for U.S. On-Line Centers only. This trial will run from May 1 through September 30, 1978, at which time the effect of the elimination of the offsearch charge will be evaluated. After the initial evaluation, quarterly evaluations will be conducted concurrently with the review of the prime and non-prime charges.

NLM has decided to eliminate the \$1.00 per offsearch charge based on several important factors:

- (1) Modifications to the NLM software have substantially improved the efficiency in processing offsearches, thereby reducing the cost of providing this service to our users. Consistent with our charging policy, NLM is passing the savings on to the users. Please note, however, that the \$.12 per page charge continues and is in no way affected by the offsearch charge.
- (2) NLM believes that the elimination of the offsearch charge will encourage users to process MEDLINE searches in an offsearch mode along with the other backfiles, when on-line interaction is unnecessary, thus reducing the on-line load on the NLM and SUNY computers. NLM is particularly concerned about the potential growth of on-line connect time during peak hours.

CHANGES TO CATLINE  
Carolyn N. Davis, Cataloging Section, NLM

On April 3 a regenerated version of CATLINE will be available, containing a number of new features and modifications which should alleviate past inconsistencies. Please update the On-Line Services Manual where appropriate.

I. TITLE SEARCH KEY

The title field (TI) search keys are being revised to conform to the following algorithm:

1. Identify 1st four words after initial article, the one which begins a character string. (See list of initial articles which are excluded from title search key).
2. Only the following characters are used in constructing a key; all other characters are deleted by the program.

26 alphabetic letters  
numerals 0-9  
ampersand (&)

3. Take the first three letters of first word after initial article (or entire word if it is fewer than three characters). Do not insert blanks.
4. If word two exists, append a slash and the first letter of word two.
5. Repeat step four with words three and four.
6. Hyphenated or slashed words are treated as one for search key.
7. Elided articles are included in the search key but the apostrophe (') is dropped.

EXAMPLES:

<u>Printed Title</u>	<u>CATLINE Search Key</u>
a) Help for the depressed	HEL/F/T/D
b) Atlas of colposcopy	ATL/O/C
c) The principles of surgery	PRI/O/S
d) I'm done crying	IM/D/C
e) F.A.S. newsletter	FAS/N



<u>Printed Title</u>	<u>CATLINE Search Key</u>
f) F. N. I. B. : organe de la...	F/N/I/B (Note: Characters bounded by spaces are considered words).
g) BM: biologie medicale	BM/B/M
h) Journal - American Psychological Association	JOU/A/P/A
i) Problem-oriented medical records	PRO/M/R
j) L'Intelligence	LIN
k) 2+2=4	224
l) La mesa	MES
m) Das kleine Heldenbuch	KLE/H
n) Ophthalmology & Optometry	OPH/&/O
o) Electrocardiography II : physiology, pathophysiological...	ELE/I/P/P
p) Proceedings of the 2d International Congress on Electrocardiology	PRO/O/T/2
q) Annual report - R.E.P.	ANN/R/R
r) Al-Anon faces alcoholism	ALA/F/A

NOTE: Because some records may have a word that is sometimes an initial article, the program may have inadvertently created a key contrary to the above rules: therefore, it is wise to search by alternative methods in addition to search keys.

INITIAL ARTICLE TABLE

Initial articles to be ignored in title search key.

a	den	eene	en	het	los	to
al	der	egy	et	ho	lu	um
an	det	ei	gei	i	o	uma
as	die	ein	ha	ie	oa	un
das	e	eit	hai	l	os	una
de	een	ee	he	la	ta	une
dei					the	uno

## II. PRINT CHANGES

To facilitate catalogers and acquisitions staffs the Item Type (IT), which indicates monograph, serial, etc., has been added to a "PRT" and "PRT FU," and the Authorship Statement (AS) has been added to "PRT" and "PRT AC."

## III. SEARCHING CAPABILITIES

The media (ME) will be a searchable element using the media listed below instead of a code.

The following media are used:

Filmstrip, kit, microfiche, microfilm, motion picture, slide, sound recording, transparency, videorecording.

The Revision Indicator (RI) is searchable.

### REVISION INDICATOR VALUES

For further discussion, see Technical Bulletin article (Dec. 1977).

<u>Searchable Value in RI</u>	<u>Explanation of Value</u>
CIP:COV	Cataloging-in-Publication (CIP) not acquired because of coverage
CIP:OS	CIP not acquired because out-of-scope
rev	Revised
Rev.CIP	Revised CIP
w/d:76 Inv.	Withdrawn - not found in 1976 inventory
w/d:COV	Withdrawn - coverage
w/d:DUP	Withdrawn - duplicate
w/d: OS	Withdrawn - out-of-scope
w/d: SUP	Withdrawn - superseded

## IV. RANGING CAPABILITIES

The Year of Publication (YR) is now rangeable for both beginning and ending of a work. Year one (YR) and year two (YR2) must be ranged separately.

EXAMPLES:

SS1 From 1970 to 1977 (YR)  
SS2 From 1973 to 1978 (YR2)

V. NEW VALUES

The MARC Indicators (MA) field will contain the value 8 for CIP Cataloging.

CHANGES TO AVLINE  
Carolyn N. Davis, Cataloging Section, NLM

AVLINE will contain a number of new features and modifications which are delineated below.

I. TITLE SEARCH KEY

See "Changes to CATLINE." Note: If title is less than 4 words, truncate with a colon after first three letters of key and use textword searching.

II. SERIES PRINT VERSION

All series now have the medium designator before the volume designator and number. If you are uncertain of the media type or numbering, truncate at the end of the title with a colon.

NEW FORM

SEARCH KEY

Maternal nursing [Filmstrip]; lesson:3 MAT/N:

OLD FORM

Maternal nursing ; lesson:3 [Filmstrip]

III. PRINT CHANGES

See "Changes to CATLINE."

IV. RANGING CAPABILITIES

See "Changes to CATLINE."

NEW SERIALS ANNOUNCEMENT - MARCH 1978  
 Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. A plus (+) indicates that the title appears in Index Medicus. An asterisk (\*) 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 CLINICAL CHILD PSYCHOLOGY

1, 1977--  
 Plenum  
 New York, New York

CARNIVORE

1, 1978--  
 Carnivore Research Institute  
 Seattle, Washington

ADVANCES IN NUTRITIONAL RESEARCH

1, 1977--  
 Plenum  
 New York, New York

CHIRURGIE AKTUELL

1, 1976--  
 Verlag Dr. Med. D. Straube  
 Nuremberg, West Germany

ADVANCES IN PERINATAL NEUROLOGY

1, 1978--  
 Spectrum Publications  
 New York, New York

CLINICAL AND BIOCHEMICAL ANALYSIS

1, 1974--  
 Dekker  
 New York, New York

ALEXANDRIA DENTAL JOURNAL

1, 1976--  
 Alexandria University.  
 Faculty of Dentistry  
 Alexandria, Egypt

CLINICAL CARDIOLOGY

1, 1978--  
 Gerhard Witzstrock Publishing House  
 New York, New York

ANALYSIS OF DRUGS AND METABOLITES  
 BY GAS CHROMATOGRAPHY - MASS  
 SPECTROMETRY

1, 1977  
 Marcel Dekker  
 New York, New York

CLINICAL AND INVESTIGATIVE MEDICINE.  
 MEDECINE CLINIQUE ET EXPERIMENTALE

1, 1978--  
 Pergamon Press  
 Oxford, England

BEHAVIORAL BRAIN SCIENCES

1978--  
 Cambridge University Press  
 New Rochelle, New York

CLINICAL PHARMACOLOGY AND DRUG  
 EPIDEMIOLOGY

1, 1977--  
 PSG Publishing Company  
 Littleton, Massachusetts

BIOCHIMIE MEDICALE

1978--  
 Masson  
 Paris, France

COMPARATIVE IMMUNOLOGY MICROBIOLOGY  
 AND INFECTIOUS DISEASES

1978--  
 Pergamon Press  
 Elmsford, New York

- CONGRES INTERNATIONAL SUR LE LITHIUM  
1, 1974--  
Presses de l'Universite Laval  
Quebec, Canada
- COSMETIC SCIENCE  
1, 1978?--  
Academic Press  
New York, New York
- CRC HANDBOOK OF RADIATION MEASUREMENT  
AND PROTECTION  
1, 1977--  
CRC Press  
Cleveland, Ohio
- +CURRENT SURGERY  
35, 1978--  
J.B. Lippincott Company  
Continues Review of Surgery  
Philadelphia, Pennsylvania
- ECOTOXICOLOGY AND ENVIRONMENTAL  
SAFETY  
1, 1978--  
Academic Press  
International Academy of Environ-  
mental Safety  
New York, New York
- EVOLUTION, DEVELOPMENT, AND  
ORGANIZATION OF BEHAVIOR  
1, 1977--  
Plenum Press  
New York, New York
- +FAO FOOD AND NUTRITION SERIES  
1, 1976--  
United Nations, Food and  
Agriculture Organization  
Supersedes FAO Nutritional Studies  
Rome, Italy
- GAMETE RESEARCH  
1978--  
Alan Liss  
New York, New York
- GBK SERIES FOR CANCER CAMPAIGN NRW  
1, 1977--  
Gustav Fischer  
Stuttgart, West Germany
- HYPOTHALAMIC RELEASING FACTOR  
1977--  
Eden Press  
Montreal, Canada
- IMMUNOPHARMACOLOGY  
1978--  
Elsevier/North-Holland  
Amsterdam, Netherlands
- INTERNATIONAL SYMPOSIUM ON MASS  
SPECTROMETRY IN BIOCHEMISTRY IN  
MEDICINE  
4th, 1977--  
Plenum Press  
2nd-3rd Symposia published as  
Advances in Mass Spectrometry in  
Biochemistry and Medicine  
New York, New York
- INTERNATIONAL WORKSHOP ON TRAINING  
OF LEPROSY WORKERS IN ASIA  
1, 1976--  
Sasakawa Memorial Health  
Foundation  
Tokyo, Japan
- JOURNAL OF CARDIOVASCULAR  
PHARMACOLOGY  
1, 1978--  
Raven Press  
New York, New York
- JOURNAL OF CONTINUING EDUCATION  
IN DERMATOLOGY  
17, 1978--  
Medical Digest Inc.  
Continues Dermatology Digest  
Northfield, Illinois
- JOURNAL OF CONTINUING EDUCATION  
IN O.R.L. AND ALLERGY  
39, 1977--  
Medical Digest Inc.  
Continues ORL Digest  
Northfield, Illinois
- JOURNAL OF CONTINUING EDUCATION  
IN PEDIATRICS  
19, 1978--  
Medical Digest  
Continues Pediatrics Digest  
Northfield, Illinois

- JOURNAL FRANCAIS D'OPHTHALMOLOGIE  
1978--  
Masson  
Paris, France
- JOURNAL OF MEDICAL SYSTEMS  
1, 1977--  
Plenum Press  
Supersedes Journal of Medical  
Systems.  
New York, New York
- JOURNAL OF PHARMACOLOGICAL METHODS  
1978--  
Elsevier/North-Holland  
Amsterdam, Netherlands
- JOURNAL OF RESEARCH IN PERSONALITY  
7, 1973--  
Academic Press  
Cont of Journal of Experimental  
Research in Personality  
New York, New York
- MATURITAS  
1978--  
Elsevier/North-Holland  
New York, New York
- MEDICAL PSYCHOLOGY INTERNATIONAL  
1, 1977--  
Pergamon Press  
Oxford, England
- MEDIZINISCHE MONATSSCHRIFT  
FUR PHARMAZEUTEN  
1, 1978--  
Deutscher Apotheker Verlag  
Stuttgart, West Germany
- MENTAL HEALTH IN DEAFNESS  
1977--  
Saint Elizabeths Hospital,  
National Institute of  
Mental Health  
Washington, D.C.
- MISES AU POINT DE BIOCHIMIE  
PHARMACOLOGIQUE  
1, 1977--  
Masson  
Paris, France
- MOLECULAR BIOLOGY OF THE MAMMALIAN  
GENETIC APPARATUS  
1, 1977--  
Elsevier/North Holland  
Biomedical Press  
Amsterdam, Netherlands
- MONOGRAPHS IN DEVELOPMENTAL PEDIATRICS  
1, 1978--  
University Park Press  
Baltimore, Maryland
- NATIONAL LIBRARY OF MEDICINE  
PROGRAMS AND SERVICES  
1977--  
U.S. Dept. of H.E.W., Public  
Health Service, National  
Institutes of Health  
Continues Program and Services;  
National Library of Medicine  
Bethesda, Maryland
- NEW DIRECTIONS IN PSYCHOTHERAPY  
1, 1976--  
Human Sciences Press  
New York, New York
- NEW HAMPSHIRE COMPREHENSIVE PLAN  
FOR DRUG ABUSE PREVENTION  
1, 1976--  
Concord, New Hampshire
- NIAID MANUAL OF TISSUE TYPING  
TECHNIQUES  
1976/77--  
U.S. National Institute of Allergy  
and Infectious Diseases  
Pub. No. (NIH) 77-545.  
Bethesda, Maryland
- OCCUPATIONAL SAFETY AND HEALTH  
Marcel Dekker  
New York, New York
- +OPHTHALMOLOGY  
85, 1978--  
American Academy of Ophthalmology  
Continues Transactions of the  
American Academy of Ophthalmology  
and Otolaryngology  
Rochester, Minnesota

RESEARCH IN NURSING AND HEALTH

1978--

Wiley

New York, New York

SOCIAL AND MEDICAL PROGNOSIS OF  
CHILD WITH ACUTE NONTUBERCULOUS  
PURULENT MENINGITIS

1977--

Almqvist and Wiksell

Stockholm, Sweden

STATISTICS OF INFECTIOUS DISEASES

1974--

Gt. Brit. H.M. Stationary Off.  
Series MB2. Issued by the Office  
of Population Censuses and Surveys.  
Supersedes in part the Registrar  
General's Statistical Review of  
England and Wales.  
London, England

STUDIES ON THE ULTRASTRUCTURE OF THE  
HUMAN PARATHYROID GLANDS IN VARIOUS  
PATHOLOGICAL CONDITIONS

1977--

Munksgaard

Copenhagen, Denmark

SUMMARY MINUTES, MEETING OF THE  
NATIONAL ADVISORY COUNCIL ON AGING

1976--

NIH National Advisory Council  
on Aging

Bethesda, Maryland

TOPICS IN BIOELECTROCHEMISTRY AND  
BIOENERGETICS

1, 1977--

John Wiley and Sons

New York, New York

+TURK HIJIYEN VE TECRUBI BIYOLOJİ

38, 1977--

Turkish Bulletin of Hygiene  
and Experimental Biology

Continues Turk Hijiye ve

Deneyisel Biyoloji

Ankara, Turkey

VETERINARY ANESTHESIA

1, 1974--

American Society of

Veterinary Anesthesia

Davis, California

WORLDWIDE GUIDE TO MEDICAL ELECTRONICS  
MARKETING REPRESENTATION

1977--

International Bio-Medical

Informations Service

Miami, Florida

LIST OF MONOGRAPHS INDEXED

MAY 78

**B**

**Breast carcinoma : the radiologist's expanded role /** [edited by] Wende Westinghouse Logan -- New York Wiley, 1977 xv, 378 p ill -- (A Wiley medical publication) Most of the chapters were presented at a conference held in Oct 1976 at Roswell Park Memorial Institute, Buffalo  
 I Breast Neoplasms - diagnosis - congresses 2  
 Mammography - congresses 3 Thermography - congresses I Logan, Wende Westinghouse, 1935-ed II Roswell Park Memorial Institute, Buffalo  
 III Title Conference on breast carcinoma the radiologist's expanded role  
 ISBN 0-471-03023-6 LC 77-13047  
 04NLM WP 870 B8278 1976  
 IM Cit No 7706544 (rev CIP)

**G**

**Genetic manipulation as it affects the cancer problem /** edited by J Schultz, Z Brada -- New York Academic Press, 1977 xiv, 273 p ill -- (Miami Winter Symposia , v 14) Proceedings of the Miami Winter Symposia, held on Jan 10-14, 1977, sponsored by the Papanicolaou Cancer Research Institute, Miami, Florida, in collaboration with the Dept of Biochemistry of the University of Miami Medical School  
 I DNA, Recombinant - congresses 2 Genetic Intervention - congresses 3 Neoplasms - congresses I Brada, Zbynek, ed II Schultz, Julius, 1914-ed III Papanicolaou Cancer Research Institute IV University of Miami, Coral Gables, Fla Dept of Biochemistry V Title Symposium on genetic manipulation as it affects the cancer problem VI Series  
 ISBN 0-12-632755-6 LC 77-10005  
 04NLM W3 MI202 v 14 1977  
 0XNLM [QZ 206 G328 1977]  
 IM Cit No 7704128 (rev CIP)

**I**

**International Meeting on Future Trends in Inflammation, 3d, London, 1977.** Perspectives in inflammation future trends and developments the proceedings of the third International Meeting on Future Trends in Inflammation organised by the European Biological Research Association and held in London, February 14th-18th, 1977 / edited by D A Willoughby, J P Giroud, G P Velo -- Lancaster, Eng MTP Press Ltd, c1977 xxi, 638 p ill -- (Future trends in inflammation , 3)  
 I Anti-Inflammatory Agents - congresses 2  
 Inflammation - congresses I Giroud, J P, ed II Velo, G P, ed III Willoughby, D A, ed IV European Biological Research Association V Title VI Series  
 ISBN 0-86200-185-1 LC 77-677176  
 04NLM W3 FU966 v 3 1977  
 0XNLM [QZ 150 I615 1977p]  
 IM Cit. No 7705629 (rev CIP)





# THE NLM TECHNICAL BULLETIN

FORMED BY THE UNION OF  
THE LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN AND THE TOXLINE TECHNICAL BULLETIN

MAY 1978

NO. 109

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

NLM TECHNICAL BULLETIN - MAY 78

FILES

DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	5,753	-1977	16 MAY 78	
BACK66	545,463	JAN 66-DEC 68	19 DEC 77	
BACK69	649,346	JAN 69-DEC 71	19 DEC 77	
BACK72	671,116	JAN 72-DEC 74	19 DEC 77	
+BACK75	385,601	JAN 75-DEC 75	19 DEC 77	
*BIOETHICS	4,976	1972-1977	05 APR 78	
*CANCERLIT	124,901	JAN 63-MAY 78	15 MAY 78	7805(ED)
*CANCERPROJ	18,233	1976-1978	27 MAR 78	7803(ED)
*CATLINE	175,706	1965-1978	18 MAY 78	
CHEMLINE	246,193		15 DEC 77	
*CLINPROT	1,000		09 MAY 78	
*EPILEPSY	22,487	1945-1977	10 APR 78	
*JOURNAL AUTH	4,950	1978		
MEDLINE	502,366	JAN 76-JUNE 78	08 MAY 78	7806(IM)
MESH VOC	14,697	1978	19 DEC 77	
*NAME AUTH	96,740	1978	17 MAY 78	
*RTECS	26,500	1977	06 MAR 78	
SDILINE	20,067	JUNE 78	08 MAY 78	
*SERLINE	30,180	1978	21 MAR 78	
*TOXLINE	448,378		22 APR 78	7804(ST)
CBAC	229,920	1974-VOL 27, 5-8		
TOXBIB	94,013	1974-MAY 78		
IPA	26,256	1974-FEB 78		
HEEP	57,180	1974-APR 78		
PESTAB	12,313	1974-FEB 78		
EMIC	19,093	1960-1977		
ETIC	9,603	1950-1977		
*TOXLINE	454,490		22 MAY 78	7805(ST)
CBAC	232,706	1974-VOL 27, 9-10		
TOXBIB	95,787	1974-JUN 78		
IPA	26,811	1974-MAR 78		
HEEP	57,180	1974-APR 78		
PESTAB	12,313	1974-FEB 78		
EMIC	19,093	1960-1977		
ETIC	10,600	1950-MAY 78		
*TOXBACK	379,299		06 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

- 1) \* = FILES AVAILABLE AT NLM ONLY.
- 2) + = CITATIONS WITH PUBLICATION YEAR OF 1975 OR EARLIER BUT ENTRY DATE OF 1976 OR 1977 ALSO INCLUDED.
- 3) THE BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

NOTE: THE CURRENT TOXLINE FILE IS UPDATED THROUGH MAY 78. BOTH THE APRIL AND MAY UPDATE INFORMATION HAS BEEN INCLUDED HERE FOR INFORMATIONAL PURPOSES.

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National Library of Medicine  
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Bethesda, Maryland 20014  
301/496-6193

TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference 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 2.9). Users should keep in mind that the item may pertain to other sections of the Manual.

SPECIAL LIST C (COMMUNICATION DISORDERS) JOURNALS (Manual 7.3.27, 11.3.53) - Citations in MEDLINE from the following seven journals relating to communication disorders are not printed in Index Medicus and are not listed separately in the List of Journals Indexed. These journals make up Special List C:

<u>Call Number</u>	<u>Journal Title</u>
W1 C0107N	Cognition
W1 C0107R (on order)	Cognitive Psychology IEEE Transactions on Acoustics, Speech and Signal Processing
W1 J0547	Journal of Auditory Research
W1 J0583L	Journal of Child Language
W1 J074	Journal of Learning Disabilities
W1 ME904	Memory and Cognition
W1 PE78H	Perception and Psychophysics

INDEX TO AUDIOVISUAL SERIALS IN THE HEALTH SCIENCES - The Medical Library Association has published in cooperation with NLM a new quarterly publication titled Index to Audiovisual Serials in the Health Sciences. This bibliography, derived from MEDLARS, will cite selected audiotape and videotape serials that have been subjected to peer review criteria established by the Association of American Medical Colleges. Initially 31 serials will be indexed by NLM to produce three quarterly issues and one annual cumulation. Additions are planned for subsequent volumes. The first volume is an annual cumulation for 1977 available for \$6.00. Volume 2 will be issued quarterly with the last issue a cumulation covering January-December 1978. The 1978 subscription price for the quarterly Index is \$18.00. Prepayment, accompanying all orders, should be sent to the Medical Library Association, 919 North Michigan Avenue, Suite 3208, Chicago, Illinois 60611.

PHONES - Included as Appendix A with this copy of the Bulletin is a list of telecommunications access numbers.

LOGIN - Occasionally users (upon logging into NLM or SUNY) do not receive the "Hello from ELHILL message". If this

happens, it means you are in the computer under someone else's ID code. Please enter /LOGIN after any USER: cue and proceed to login normally. If you do not do this, someone else is being charged for your use of the system. If a stored address is in effect for the ID code, off-prints will be sent to that address so you will not get your searches. This problem is under continued investigation and we hope will be completely solved in the future. Note: If you receive someone else's search please return to MEDLARS Management as soon as possible.

OFFSEARCH  
CHARGES  
(Manual 1.6)

- Reminder: Effective May 1, 1978, the charges of \$1.00 per offsearch per file were eliminated for all NLM data bases on a trial basis. This applies to U.S. On-line Centers only. This trial will run through September 30, 1978, at which time the effect of the elimination of the offsearch charge will be evaluated.

MAP--U.S.  
ON-LINE  
CENTERS

- Enclosed with this issue of the Bulletin is a map showing NLM On-Line Centers in the United States, March 1978.

SEARCH HINT

- Search analysts are frequently asked to repeat searches on a regular basis (usually monthly) to retrieve any new citations which may have been published in the requesters' area of interest. The technique used for such SDI (Selective Dissemination of Information) searches varies somewhat depending on which of the NLM data bases is being searched.

How would you limit your search to citations input in the March 1978 update to:

- a) CANCERLIT
- b) TOXLINE
- c) MEDLINE

Answer: (a) All the citations added to CANCERLIT in a monthly update to that data base contain the same four-digit number which is directly searchable in the format YYMM. The date for the March 1978 update to CANCERLIT is 7803. It may be ANDED to your search strategy to retrieve just those citations input in the March update as follows:

```
SS 1 /C?  
USER:  
RETINOBLASTOMA AND 7803
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(b) The procedure for TOXLINE is the same as that for CANCERLIT. Qualifiers may be used but are not required.

The qualifier for TOXLINE is ST (Source and time frame) and the qualifier for CANCERLIT is ED (Entry date).

(c) The monthly update to MEDLINE is also available as the SDILINE data base for that month. The best way to retrieve new citations on a monthly basis is to run your search against SDILINE each time it is updated.

If, however, you should miss SDILINE for a particular month, you may run your search against MEDLINE and limit your strategy to citations with the appropriate Index Medicus (IM) date. This is also a four-digit number in the YYMM format and all citations entered in the same monthly update will contain the identical number. It represents the date of the issue of Index Medicus in which those citations are printed and therefore corresponds to the month following that in which the data base was updated. That is, citations added to MEDLINE in the March 1978 update will have the 7804 (IM) designation.

Searchers are reminded that automatic monthly SDI service is available on the TOXLINE and MEDLINE data bases. For further information, see the NLM On-Line Services Reference Manual, January 1978, Section 5.10.

CANCERLIT: A NEW LOOK  
Jan Farmer and Beth Guillaumin  
Biomedical Library, University of California, Los Angeles  
Sherrill Sorrentino  
Los Angeles County - Harbor General Hospital Medical Library

For oncology-related bibliographic search requests, many medical librarians may be overlooking an important NLM data base: CANCERLIT, formerly called CANCERLINE. Since its beginning in 1974, improvements have continued to enhance CANCERLIT as an important complement to MEDLINE for searches related to cancer carcinogenesis, therapy and their many related facets.

CANCERLIT provides access to some publications not included in MEDLINE. CANCERLIT covers more than 3,500 journals and since mid-1976, has included selected books, monographs, symposia and meeting proceedings, technical reports, and dissertations. MEDLINE covers about 3,000 major journals, and selected symposia, congresses, or similar publications, which have been included since mid-1976. Although there is some overlap in coverage, CANCERLIT will undergo continual expansion to include many journals not covered in MEDLINE. At present, this added coverage is primarily due to

arrangements with the Pan American Health Organization for South American journal articles and the International Medical Information Center in Japan for Japanese journal articles and meeting proceedings.

CANCERLIT gives immediate on-line access to its entire file, which covers Cancer Therapy Abstracts since 1967 and Carcinogenesis Abstracts since 1963, as well as other aspects of cancer. Thus on-line access to older literature can be provided for some cancer-related requests. This feature may be especially important in Clinical Medical Librarian (CML) services in order to provide quick turnaround time.

CANCERLIT provides immediate access to cancer-related information, closely paralleling the C4 category in MEDLINE. For example, if the requester wants information on any cryobiological-related therapy in all types of cancer, the CANCERLIT search strategy will include only therapy terms, such as cryogenic surgery, cryotherapy, cryopreservation, hypothermic therapy or perhaps only hypotherm: or cryo: . In MEDLINE, not only therapy terms but also some strategy to include appropriate C4 neoplasm terms would be necessary.

Although CANCERLIT has no controlled vocabulary with subheadings, as does MEDLINE, the source identifiers (SI), CATH and CARC, can serve a similar function. But this strategy has a significant limitation because not all cancer therapy or carcinogenesis citations in the data base have CATH or CARC as (SI). The following items are given an ICDB (SI):

- 1) Any cancer therapy or carcinogenesis document added to the data base before assignment to Cancer Therapy Abstracts (CATH) or Carcinogenesis Abstracts (CARC), a procedure instituted to reduce the time lag between journal publication and appearance in the data base;
- 2) All non-serial documents such as monographs, proceedings, reports and dissertations which are currently being added; and
- 3) Any documents provided by the organizations in South America or Japan.

Thus using the SI as a qualifier may retrieve some appropriate citations, but will not retrieve all relevant items in CANCERLIT. Stringsearching on the source identifier CATH limits retrieval to therapy aspects. Likewise CARC may be used to restrict a search to causative or etiological aspects. For example, CARC can be used as part of the strategy to limit a search on radiation and cancer to only those articles dealing with its carcinogenic rather than its therapeutic effects. However, to retrieve as many relevant citations as possible, including those most recently added to the data base, the SI strategy for CATH or CARC should be completed by appropriate text word strategy.

The existence of an abstract for every record is a valuable feature of CANCERLIT. Each CANCERLIT record, dating back to 1963, has a full or abbreviated abstract. MEDLINE began including selected abstracts in 1975.

There are, occasionally, concepts which are difficult to find in MEDLINE using the MeSH vocabulary. These concepts can often be searched successfully in both data bases by using text words. Examples of such concepts are 5-year survival rate, patient services, malignant, benign, and extra-nodal. The availability of text words from the abstract as potential entries to every CANCERLIT record greatly increases the probability of relevant retrieval through text-word searching. Search strategy may be further refined by using sensesearching. In both data bases, abstracts aid the searcher in identifying false drops and in checking for additional synonyms to enhance the search.

CANCERLIT abstracts are also time-savers for the researcher and clinician. Since the most important information tends to be included in the abstract, a particular topic can be quickly reviewed without taking the time to locate and scan actual copies of all articles. Identifying the most relevant articles from the printout can also minimize time wasted in following through on all the articles with seemingly relevant titles. Conversely, the abstract can also indicate a relevant article that might have been overlooked due to limited wording of the title. This time saving is especially important in information service to the clinical health care team. Since CANCERLIT is now updated monthly like SDILINE, it can be used as a current awareness service that offers some actual data and not just bibliographic information. Another good feature is that foreign-language articles in the data base have English-language abstracts, giving some access to foreign sources not routinely available in other data bases.

Two features that were disadvantages in the past in searching CANCERLIT have recently been improved. Language, using the same codes as MEDLINE, can now be used to limit a search. Also updates to CANCERLIT are now monthly. The time lag between publication of an article and its citation appearing in the data base has been shortened to the minimum time necessary to write its abstract, a valuable feature of the data base.

CANCERLIT, of course, has the same difficulty with its recall/precision ratio as other free language data bases. Since retrieval is limited to text words, rather than to indexing terms assigned to the article, many false drops can occur. Also, many relevant items may be missed unless all possible synonyms are used. Thus CANCERLIT strategy may be much more complicated than MEDLINE for questions requiring an exhaustive search on broad categories of tumors, such as all carcinomas or all sarcomas, for example.

In summary, CANCERLIT provides immediate access to citations in approximately 4,000 publications from many countries for years as early as 1963, as well as actual data in lengthy, informative English-language abstracts. For many cancer-related questions, these valuable features can outweigh the difficulties of searching a free language data base. CANCERLIT is an important complement to MEDLINE for providing access to the world literature on oncology.

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NLM CATALOGING SECTION USE OF THE 4TH EDITION OF NLM CLASSIFICATION  
Cataloging Section, Technical Services Division, NLM

The following list explains the new classification numbers as they have been applied from draft copy to the Fourth Edition of the National Library of Medicine Classification. This announcement of new numbers continues the listing begun in the January 1978 issue of the Technical Bulletin and will continue to appear monthly until the final publication of the Fourth Edition is available.

<u>NEW NUMBER</u>	<u>SUBJECT</u>	<u>OLD NUMBER</u>
QS 679	Drug-induced abnormalities, including experimental works	QS 675
QU 98	Carboxylic acids and their salts and esters (general or not indexed elsewhere)	None
QV 786	Solutions	QV 785
QW 170	Hepatitis viruses	WC 536
QY 33	Discussion of law (Table G)	By subject
WA 31	Social medicine	WA 30
WA 380	Urban health and hygiene	Various places
WG 141.5	Specific diagnostic methods .P4 Phonocardiography	WG 141
WJ 146	Urination and urination disorders	WJ 102, etc.
WL 102.8	Synapses	WL 102
WM 30.6	Community psychiatry (General)	WM 440
WM 31	Socioeconomic and environmental factors in mental illness	WM 30
WM 55	Counseling on psychological problems	Various places
WM 460.5	Special topics associated with psychoanalysis, A-Z .E3 Ego. Self	WM 460
WQ 209	Prenatal diagnosis. Fetal monitoring	WQ 210
WS 105.5	Special topics in child psychology, A-Z .A8 Attitudes and adjustments (to death, illness, divorce, etc.)	WS 105, BF
WS 110	Learning disorders (physical, mental, and neurological)	WS 350
WS 350.8	Special topics in child psychiatry, A-Z .H9 Hyperkinesis .S6 Social behavior disorders	WS 350
WU 150	Dental technology (General) Dental technicians	WU 500
WZ 112.5	Collective biography by specialty, A-Z .P6 Psychiatrists	WZ 112



Additions/Deletions/Changes  
to CANCERPROJ (March 1977) Index Term Listing

Listed below are additions/deletions/changes which should be made to the March 1977 Listing of Index Terms and Codes used in CANCERPROJ. The changes became effective when CANCERPROJ was updated in March 1978. Remember, as always, that the index terms must be entered with spelling, punctuation and spacing EXACTLY as they appear in the list. (Occasionally a keyboarding error will occur when a term is entered into the SSIE computer. If this error is not identified before the updated CANCERPROJ file is prepared at SSIE, it cannot be corrected until the next NLM update, three months later.)

Additions

SURGICAL CANCER THERAPY	0380.20.850
VIRUS AGENT CANCER THERAPY	0380.20.900
MUSCULOSKELETAL CANCER -OT	0381.54.995
HEAD AND NECK CANCER -NS.	0381.67.270
PRECLINICAL DIAGNOSIS	0383.05
IMMUN. WITH MODIF. TUMOR CELLS	0383.40.450
OTHER PRECLINICAL THERAPY	0383.50.995
MASTECTOMY, PARTIAL, COMPLETE	0384.60.200.50
POLYCYTHEMIA VERA-ERYTHROLEUK	0384.70.060
LYMPHOMAS-NON-HODGKIN'S	0384.70.100.70
LYMPHOMAS, GENERAL	0384.70.100.97
WILMS EMBRYOMA	0384.70.350.20.100
OTHER KIDNEY TUMORS	0384.70.350.20.995
SARCOMAS-OSTEOGENIC	0384.70.500.10
EWINGS SARCOMA	0384.70.500.20
OTHER BONE TUMORS	0384.70.500.90
REFRACTORY TUMORS	0384.70.800
CHILDHOOD TUMORS	0384.70.950.50
TREATMENT OF NS, GENERAL CANCER	0384.70.999
REMISSION STUDIES GENERAL	0384.71.997

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PHASE I PROTOCOLS	0384.72.100
PHASE II PROTOCOLS	0384.72.200
PHASE III PROTOCOLS	0384.72.300
PHASE IV AND BEYOND PROTOCOLS	0384.72.400
OTHER CLINICAL, THERAPEUTIC PR	0384.72.900
THERAP COMPLICATIONS, SIDE EFF.	0384.78
CHEMOTHERAPY SIDE EFFECTS	0384.78.100
IMMUNOTHERAPY SIDE EFFECTS	0384.78.200
RADIOTHERAPY SIDE EFFECT	0384.78.300
OTHER THERAPY SIDE EFFECTS	0384.78.995
MATERNAL FETAL EXCHANGE	0385.43
PRIMATE MAMMARY VIRUSES	0386.05.100.70
RODENT LEUK/SARC VIR NOT SPEC.	0386.05.300.50
OTHER MAMMALIAN RNA CA VIRUSES	0386.05.350
FELINE RNA CANCER VIRUSES.	0386.05.350.10
OTHER MAMMALIAN RNA CANCER VIR	0386.05.350.95
IMMUNOL. OF VIRUS-INDUCED TUM.	0386.30.300
VIRUS GENETICS	0386.65
VIRUS ENZYMES	0386.70
TUMOR ANTIGEN METHODOLOGY	0387.10.800
GRAFT-VERSUS-HOST REACTION	0387.17.350
LYMPHOCYTE-DEPENDENT ANTIBODY	0387.30.800
OTHER HUMORAL FACTORS	0387.30.950
CYCLIC NUCLEOTIDES	0388.20.100.15
NUCLEIC ACID BIOCHEM.-OTHER	0388.20.100.95
RECEPTOR SITES	0388.20.300.70

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HORMONES	0388.20.800
BENIGN TUMOR	0388.23
PRECANCEROUS CHANGE, CONDITION	0388.25
SMALL INTESTINE	0388.40.100.25
GI-OTHER	0388.40.100.95
NASOPHARYNGEAL CA	0388.40.165
BREAST, MAMMARY GLAND	0388.40.230
OTHER ENDOCRINE (NON-GONAD)	0388.40.260.95
SOLID TUMORS NON SPECIFIC	0388.40.350
BONE MARROW	0388.40.410
TUMOR PATHOL. AND CYTOL. OTHER	0388.50.950
CANCER CENTERS DIRECTORY	0388.90.350
HISTOL CLASSIF, NOMENCLATURE	0388.90.450
PROCUREMENT PROGRAMS	0388.90.700

Deletions

LYMPHANGIOSARCOMA	0381.50.075.40
LYMPH VESSEL NEOPLASMS, OTHER	0381.50.075.95
LYMPHATIC SYSTEM CANCER	0381.51
HODGKINS DISEASE	0381.51.055
LYMPHOMA	0381.51.600
SEMINAL VESICLES	0381.63.163
ACCESSORY ORGANS	0384.70.250.30
RICH VIRUS	0386.05.300.15
INVERTEBRATE VIRUSES	0386.05.500.20
METASTASIS TO KIDNEY	0388.30.300.20.500

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Changes

PRECLIN. DRUG RESISTANCE & SEN to DRUG RESISTANCE OR SENSITIVITY	0383.10.350
OTHER to OTHER PRECLINICAL CHEMOTHERAPY	0383.10.950
OTHER GRADING AND RELATED HISTOLOGY to OTHER GRADIND & RELATED HISTOL	0384.40.950
REVERSE TRANSCRIPTASE to RESERSE TRANSCRIPTASE	0386.55.180

\*An updated cumulated listing of CANCERPROJ Index Terms will be prepared within the next several weeks. Copies may be obtained by writing to the MEDLARS Management Section.

NEW SERIALS ANNOUNCEMENT - APRIL 1978  
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the right of the title indicates that the title appears in Index Medicus. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, 301/496-1276, Technical Services Division, NLM.

	ARCHIVES OF ANDROLOGY 1,1978-- ELSEVIER-NORTH-HOLLAND BIOMEDICAL PRESS AMSTERDAM ENGLAND ON ORDER-UCLA	BRITISH LITHIUM CONGRESS 1ST,1977-- MTP PRESS LANCASTER ENGLAND ADDRESS: MTP PRESS LTD., ST. LEONARDS HOUSE, ST. LEONARDGATE, LANCASTER, ENGLAND IN PROCESS
IM	ARCHIVES OF ORTHOPAEDIC AND TRAUMATIC SURGERY 91, 1978-- SPRINGER VERLAG CONTINUES ARCHIV FUR ORTHOPAEDISCHE UND UNFALLCHIRURGIE MUNCHEN GERMANY, WEST IN PROCESS	CALIFORNIA WORK INJURIES AND ILLNESSES 1975-- DIVISION OF LABOR STATISTICS AND RESEARCH, CALIF. CONTINUES CALIFORNIA WORK INJURIES SACRAMENTO UNITED STATES ON ORDER-UCLA
IM	ARCHIVOS DE BIOLOGIA ANDINA 1977-- CENTRE DE INVESTIGACION INSTITUTO DE BIOLOGIA ANDINA CONTINUES ARCHIVOS DEL INSTITUTO DE BIOLOGIA ANDINA LIMA PERU ON ORDER-UCLA	CHIRURGIE PEDIATRIQUE 19,1978-- MASSON CONTINUES ANNALES DE CHIRURGIE INFANTILE PARIS FRANCE IN PROCESS
	BIOKHIMIJA ZHIVOTNYKH I CHELOVEKA 1,1977-- NAUKA DUMKA KIEV USSR SR-577	CLINICAL AND EXPERIMENTAL HYPERTENSION 1,1978-- MARCEL DEKKER NEW YORK UNITED STATES IN PROCESS

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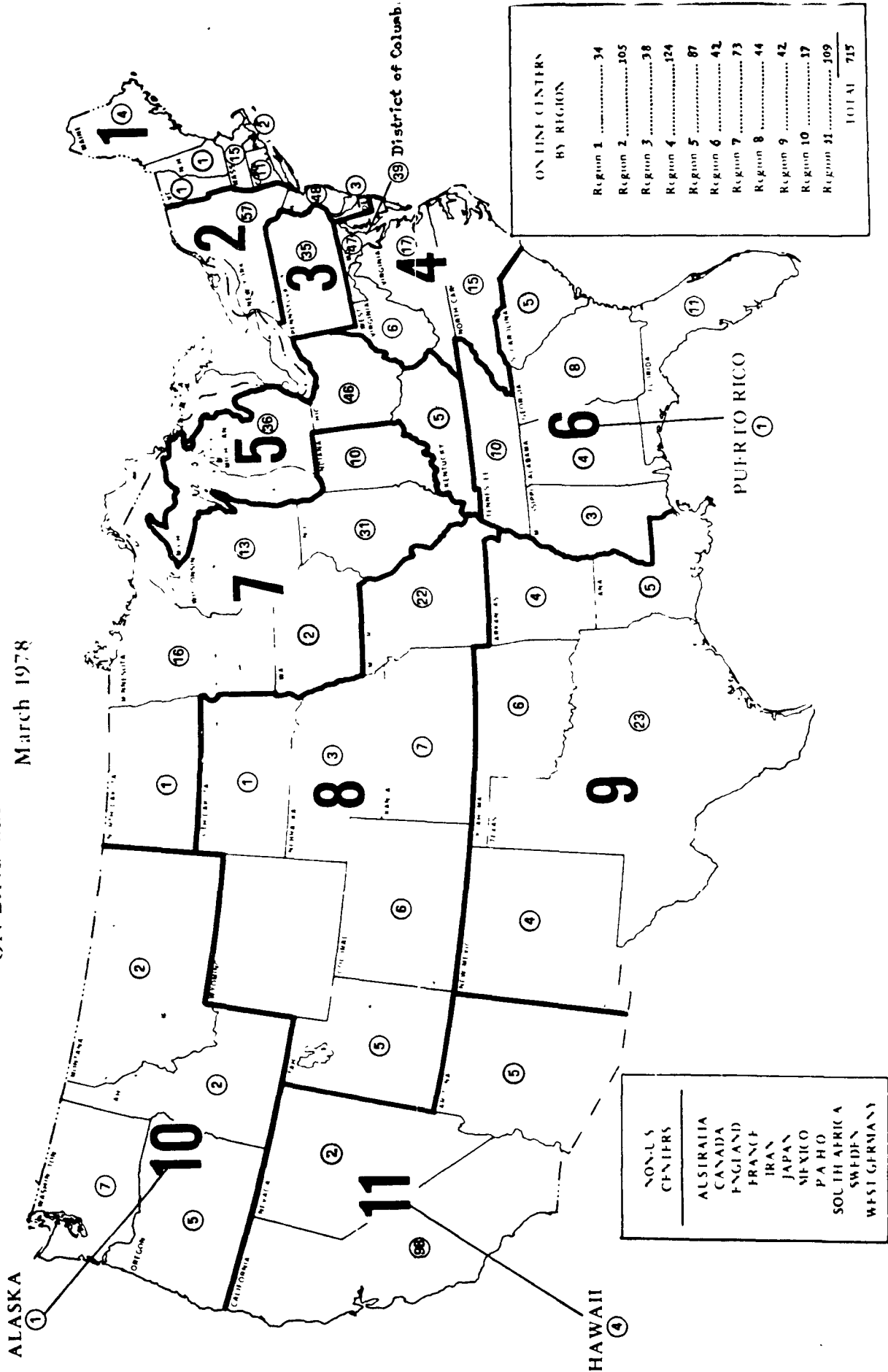
- COLLECTED LETTERS OF THE INTERNATIONAL  
CORRESPONDENCE SOCIETY OF OBSTETRICIANS  
GYNECOLOGISTS  
19,1978--  
OB/GYN LETTERS  
CONTINUES OB-GYN COLLECTED LETTERS OF THE  
INTERNATIONAL CORRESPONDENCE SOCIETY OF  
OBSTETRICIANS AND GYNECOLOGISTS  
LAKELAND UNITED STATES  
IN PROCESS
- CONTEMPORARY BIOLOGY SERIES  
1,1978--  
UNIVERSITY PARK PRESS  
BALTIMORE UNITED STATES  
ON ORDER
- CROSS-REFERENCE ON HUMAN RESOURCES  
MANAGEMENT  
8,1978--  
AMERICAN HOSPITAL ASSOCIATION. DIVISION OF  
HUMAN RESOURCES MANAGEMENT  
CONTINUES CROSS-REFERENCE.  
CHICAGO UNITED STATES  
IN PROCESS
- CT - THE JOURNAL OF COMPUTED TOMOGRAPHY  
2,1978--  
UNIVERSITY PARK PRESS  
CONTINUES COMPUTED AXIAL TOMOGRAPHY  
BALTIMORE UNITED STATES  
IN PROCESS
- CURRENT MICROBIOLOGY  
1,1978--  
SPRINGER VERLAG  
BERLIN GERMANY, WEST  
ON ORDER
- CYSTIC FIBROSIS CONFERENCE REPORTS  
1,1977--  
CYSTIC FIBROSIS FOUNDATION  
ATLANTA UNITED STATES  
IN PROCESS
- IM DERMATOSEN IN BERUF UND UMWELT  
1,1978--  
CANTOR K G  
CONTINUES BERUFSDERMATOSEN  
STUTTGART GERMANY, WEST  
IN PROCESS
- DEUTSCHE ZEITSCHRIFT FUR SPORTMEDIZIN  
1,1978--  
DEUTSCHER SPORTAZTEBUND E.V.  
FORTBILDUNGSORGAN DES VERBANDES  
OSTERREICHER SPORTARZTE  
CONTINUES SPORTARZT SPORTMEDIZIN  
COLOGNE GERMANY  
IN PROCESS
- ELECTRON MICROSCOPY AND X-RAY APPLICATIONS  
TO ENVIRONMENTAL AND OCCUPATIONAL HEALTH  
1,1978--  
ANN ARBOR SCIENCE PUBLISHERS, INC.  
ANN ARBOR UNITED STATES  
ON ORDER
- GENESIS OF HUMAN BEHAVIOR  
1,1978--  
PLENUM  
NEW YORK UNITED STATES  
ON ORDER
- HANDBOOK OF LIPID RESEARCH  
1,1978--  
PLENUM  
NEW YORK UNITED STATES  
ON ORDER
- HAWAII STATE HEALTH DEPARTMENT ANNUAL REPORT  
1977--  
HAWAII STATE HEALTH DEPARTMENT  
CONTINUES ANNUAL REPORT; DEPARTMENT OF  
HEALTH STATE OF HAWAII  
HONOLULU HAWAII  
IN PROCESS
- INDEX RADIOLOGIAE  
1977--  
KARL CLEFF  
BERLIN GERMANY, WEST  
ON ORDER
- INTERNATIONAL CARDIOVASCULAR CONGRESS  
1,1977--  
UNIVERSITY PARK PRESS  
BALTIMORE UNITED STATES  
ON ORDER-CIP
- IM JOURNAL OF AUDIOVISUAL MEDIA IN MEDICINE  
1,1978--  
UPDATE PUBLICATIONS LTD  
SUPERSEDES MEDICAL AND BIOLOGICAL  
ILLUSTRATION  
LONDON UNITED STATES  
IN PROCESS
- IM JOURNAL BELGE DE MEDECINE PHYSIQUE  
1977--  
ACTA MEDICA BELGICA  
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RHUMATOLOGIE ET DE MEDECINE PHYSIQUE  
BRUSSELS BELGIUM  
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- JOURNAL OF CONTINUING EDUCATION IN FAMILY  
MEDICINE  
23N9,1977--  
MEDICAL DIGEST INC  
CONTINUES MEDICAL DIGEST. COVER TITLE:  
MEDICAL DIGEST. THE JOURNAL OF CONTINUING  
EDUCATION IN FAMILY MEDICINE. INCLUDES A  
SECTION CALLED: MEDICAL DIGEST, WHICH  
CONTAINS ABSTRACTS OF MEDICAL LITERATURE.  
NORTHFIELD UNITED STATES  
WI J0595W
- JOURNAL OF NURSING CARE  
11,1978--  
TECHNOMIC PUBLISHING CO  
CONTINUES NURSING CARE.  
WESTPORT, CT UNITED STATES  
ON ORDER
- IM JOURNAL OF THE PARENTAL DRUG ASSOCIATION  
32,1978--  
PARENTAL DRUG ASSOCIATION  
CONTINUES BULLETIN OF THE PARENTAL DRUG  
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- JOURNAL OF RESEARCH OF THE NATIONAL BUREAU OF STANDARDS  
82,1977--  
NATIONAL BUREAU OF STANDARDS  
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WASHINGTON, D.C. UNITED STATES  
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- IM JOURNAL OF THE ROYAL SOCIETY OF MEDICINE  
71,1978--  
ACADEMIC PRESS  
CONTINUES PROCEEDINGS OF THE ROYAL OF SOCIETY OF MEDICINE  
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IN PROCESS
- MEDECINE; REVUE MEDICALE INTER-REGIONALE DU NORD ET DE L'EST  
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PARIS FRANCE  
IN PROCESS
- MONOGRAPH SERIES OF THE EUROPEAN ORGANIZATION FOR RESEARCH ON TREATMENT OF CANCER  
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PREVIOUS VOL. IN THIS SERIES ARE UNNUMBERED AND ARE CATALOGED SEPARATELY IN THIS LIBRARY  
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- IM NIPPON RAI GAKKAI ZASSHI. JAPANESE JOURNAL OF LEPROSY  
46N1,1977--  
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CONTINUES REPURA.  
TOKYO JAPANESE  
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- NUTRITION IN HEALTH AND DISEASE  
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- OPTOMETRIC MONTHLY  
69N5,1978--  
PROFESSIONAL PRESS  
CONTINUES OPTOMETRIC WEEKLY  
CHICAGO UNITED STATES  
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CA	CUPERTINO	408/446-7309	B212A	120			
CA	CUPERTINO	408/446-6932	B202	120			
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CA	CUPERTINO	408/446-1470	B				
CA	CUPERTINO	408/984-5500	B				
CA	EL SEGUNDO	213/640-1570	B				
CA	LONG BEACH				213/549-5150		
CA	LOS ANGELES	213/629-3001	B202	120			
CA	LOS ANGELES	213/687-8083	V3405	120	213/624-1521	V3405	120
CA	LOS ANGELES	213/626-0365	B212A	120	213/624-0901	B212A	120
CA	LOS ANGELES	213/629-1561	B		213/937-3580		
CA	LOS ANGELES	213/683-0451	B		213/624-5230		
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CA SAN CARLOS				415/595-0360		
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CA SAN FRANCISCO	415/391-9325	B		415/362-6200		
CA SAN JOSE	408/446-6932	B202	120			
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CO DENVER	303/572-1107	V3405	120			
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GA ATLANTA	404/581-0619	B212A	120		
GA SAVANNA	912/352-7259	FX			
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IA CEDAR RAPIDS	319/364-3371	FX B			
IA DES MOINES	515/280-9600	B			
IA IOWA CITY	319/351-4046	FX B			
ID BOISE	208/343-4851	B			
IL CHICAGO	312/368-0022	B202	120		
IL CHICAGO	312/346-0201	B212A	120		
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IL FREEPORT	815/232-2186	B	10		
IL FREEPORT	815/232-2181	B	30		
IL ROCKFORD	815/398-6090	B			
IN FT WAYNE	219/424-5162	FX B			
IN INDIANAPOLIS	317/926-1296	B212A	120		
IN INDIANAPOLIS	317/257-3461	B		317/635-9630	
IN MARION	317/662-0091	FX B			
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KY LOUISVILLE	502/361-3881	B		502/459-7010	
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LA LAFAYETTE	318/235-5202	FX B			
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MA BOSTON	617/482-1854	V3405	120	617/338-7495	V3405 120
MA BOSTON	617/482-2170	B202	120		
MA BOSTON	617/482-4677	B			
MA BOSTON	617/482-5622	B		617/338-1400	
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MD BALTIMORE	301/547-8100	B		301/962-5010	
MI ANN ARBOR	313/995-6250	B		313/668-4630	
MI DETROIT	313/963-3388	B		313/961-5115	
MI DETROIT	313/963-2353	V3405	120		
MI DETROIT	313/963-4676	BELL	120		
MI GRAND RAPIDS	616/459-8429	FX B			
MI JACKSON	517/784-8522	B			
MI KALAMAZOO	616/385-3150	B			
MI SOUTHFIELD	313/355-2950	B			
MI ST JOSEPH	616/429-2568	FX B			
MN MINNEAPOLIS	612/854-6659	B		612/339-0150	
MN MINNEAPOLIS	612/854-2910	B212A	120		
MO KANSAS CITY	816/753-8900	B		816/474-1600	
MO ST LOUIS	314/421-5110	B		314/231-8800	
MO ST LOUIS	314/621-4660	B212A	120		
NC CHARLOTTE	704/376-0320	FX C		704/374-0371	
NC RALEIGH/DURHAM	919/549-0441	C		919/549-8291	
NE OMAHA	402/392-2970	B		402/330-1900	

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NJ NEWARK				201/623-6818
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NY CORNING	607/962-5071	C		
NY HEMPSTEAD				516/292-0320
NY HUNTINGTON, LI	516/673-5780	FX E		
NY NEW YORK	212/689-8910	V3405	120	212/736-1800 V3405 120
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NY NEW YORK	212/344-7445	E		212/736-7205
NY NEW YORK	212/350-9100	B		212/736-0099
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NY NIAGARA FALLS	716/285-9354	FX B		
NY ROCHESTER	716/546-1410	B		716/454-3430
NY SYRACUSE	315/437-7111	E		315/424-9381
NY WHITE PLAINS	914/694-9361	B		914/682-8777
OH AKRON	216/535-1861	C		216/762-9791
OH CINCINNATI	513/242-7040	B		513/621-7017
OH CLEVELAND	216/781-7050	B		216/241-0940
OH COLUMBUS	614/421-7270	B		614/463-1400
OH DAYTON	513/223-3847	B		513/222-2086
OH TOLEDO	419/243-3144	FX B		419/243-8871
OH YOUNGSTOWN				216/743-2294
OK OKLAHOMA CITY	405/947-0561	B		405/272-9280
OK TULSA	918/663-2220	B		918/587-0158
OR PORTLAND	503/231-4050	B		503/243-2800
OR PORTLAND	503/231-4077	B212A	120	
PA ALLENTOWN	215/433-6131	FX B		
PA ERIE	814/459-1600	B		
PA HARRISBURG	717/236-1190	FX B		
PA PHILADELPHIA	215/561-6120	B		215/574-0620
PA PHILADELPHIA	215/567-1381	B212A	120	
PA PITTSBURGH	412/765-1320	B		412/765-2681
PA PITTSBURGH	412/261-4151	B212A	120	
PA VALLEY FORGE	215/666-9190	B		
PA YORK	717/846-4802	FX B		
RI PROVIDENCE	401/274-5783	FX B		401/274-1125
SC GREENVILLE	803/271-2418	FX B		
TN MEMPHIS	901/345-1111	B		901/528-8350
TN NASHVILLE				615/244-9020
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TX FORT WORTH	214/263-2341	FX B		817/338-1501	
TX HOUSTON	713/785-4411	B		713/224-3380	
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TX HOUSTON	713/977-7671	B212A	120		
TX LONGVIEW	214/758-0801	FX B			
TX LUBBOCK	806/762-0136	FX C			
TX MIDLAND	915/683-5645	C			
TX ODESSA	915/563-0273	FX C			
TX SAN ANTONIO	512/734-7381	E		512/224-1631	
UT SALT LAKE CITY	801/582-8972	C		801/364-2644	
VA NORFOLK	804/622-0435	FX B		804/625-1430	
VA RICHMOND	804/649-3050	FX B		804/358-1941	
WA SEATTLE	206/622-7930	B		206/624-9780	
WI MADISON	608/221-4211	B		608/251-5904	
WI MILWAUKEE	414/257-3482	B		414/271-2560	
WI OSHKOSH	414/235-4594	FX B			

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CN BRANTFORD				519/756-0006	D 30
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CN CALGARY	403/263-2072	B	10	403/264-5680	D 10
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CN LONDON				519/679-7500	D 30
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CN MONTREAL	514/878-0589	C	15	514/878-9977	15
CN MONTREAL	514/878-0588	C	10	514/878-9975	10
CN MOOSE JAW				306/693-7611 D	30
CN NIAGARA FALLS				416/357-2702 D	30
CN NORTH BAY				705/474-3900 D	30
CN OSHAWA				416/579-8920 D	30
CN OTTAWA	613/563-9841	C	30	613/563-9639	30
CN OTTAWA				613/567-9100 D	30
CN OTTAWA				613/567-9200 D	10
CN OTTAWA				613/563-9629	15
CN OTTAWA				613/563-9625	10
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CN QUEBEC CITY	418/647-4716	D	10	418-647-4690 D	30
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CN REGINA				306/565-0111 D	30
CN ST CATHARINES				416/688-5620 D	30
CN ST HYACINTHE				514/774-9270 D	30
CN ST JOHN				506/693-7399 D	30
CN ST JOHN'S				709/726-4920 D	30
CN SARNIA				519/336-9920 D	30
CN SASKATOON				306/665-6660 D	30
CN SAULT STE. MARIE				705/942-4960 D	30
CN SHERBROOKE				819/566-2770 D	30
CN SUDBURY				705/673-9602 D	30
CN SYDNEY				902/539-7010 D	30
CN THREE RIVERS				819/373-2600 D	30
CN TORONTO	416/863-6202	C		416/361-0011	30
CN TORONTO				416/868-4000 D	30
CN TORONTO				416/361-1515	15
CN TORONTO				416/868-4016 D	10
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CN VANCOUVER	604/688-4338	B	10		
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CN WINSOR				519/255-1000 D	30
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MX MEXICO CITY	905/534-1363				
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NLM TECHNICAL BULLETIN - JUN 78

FILES

DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	5,809	-1977	31 MAY 78	
BACK66	545,463	JAN 66-DEC 68	19 DEC 77	
BACK69	649,346	JAN 69-DEC 71	19 DEC 77	
BACK72	671,116	JAN 72-DEC 74	19 DEC 77	
+BACK75	385,601	JAN 75-DEC 75	19 DEC 77	
*BIOETHICS	4,976	1972-1977	05 APR 78	
*CANCERLIT	128,559	JAN 63-JUN 78	13 JUN 78	7806(ED)
*CANCERPROJ	18,233	1976-1978	27 MAR 78	7803(ED)
*CATLINE	176,296	1965-1978	08 JUN 78	
CHEMLINE	248,877		01 JUN 78	
*CLINPROT	1,000		09 MAY 78	
*EPILEPSY	22,931	1945-PRESENT	09 JUN 78	
*JOURNAL AUTH	4,950	1978		
MEDLINE	522,266	JAN 76-JULY 78	05 JUN 78	7807(IM)
MESH VOC	14,699	1978	19 DEC 77	
*NAME AUTH	97,134	1978	13 JUN 78	
*RTECS	26,500	1977	06 MAR 78	
SDILINE	19,925	JULY 78	05 JUN 78	
*SERLINE	30,670	1978	05 JUN 78	
*TOXLINE	454,490		22 MAY 78	7805(ST)
CBAC	232,706	1974-VOL 27, 9-10		
TOXBIB	95,787	1974-JUN 78		
IPA	26,811	1974-MAR 78		
HEEP	57,180	1974-APR 78		
PESTAB	12,313	1974-FEB 78		
EMIC	19,093	1960-1977		
ETIC	10,600	1950-MAY 78		
*TOXBACK	379,299		06 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

- 1) \* = FILES AVAILABLE AT NLM ONLY.
- 2) + = CITATIONS WITH PUBLICATION YEAR OF 1975 OR EARLIER BUT ENTRY DATE OF 1976 OR 1977 ALSO INCLUDED.
- 3) THE BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

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National Library of Medicine  
8600 Rockville Pike  
Bethesda, Maryland 20014  
301/496-6193

TECHNICAL NOTES

PLEASE QUERY THE NEWS FILE DAILY FOR SPECIAL NOTICES AND MESSAGES BY ENTERING "NEWS AFTER ANY USER: CUE AT NLM OR SUNY.

MONOGRAPHS - Please note that citations to monographs appearing in the January 1977 issue of Index Medicus were not included in Cumulated Index Medicus, 1977. Also, the November 1977 and December 1977 List of Monographs Indexed included with the November and December issues of the NLM Technical Bulletin were mis-labeled; they should have been labeled December 1977 and January 1978, respectively.

CANCERLIT and TOXLINE UPDATES - CANCERLIT and TOXLINE are generally updated on the third or fourth weekends of each month with the updated files available for searching on the following Monday. Following is the update schedule for these files for the remainder of 1978:

<u>CANCERLIT</u> <u>Date available</u>	<u>TOXLINE</u> <u>Date available</u>
Jun 19	Jun 26
Jul 17	Jul 24
Aug 21	Aug 26
Sep 18	Sep 25
Oct 23	Oct 30
Nov 20	Nov 20
Dec 18	Dec 18

PHONES - Unless otherwise noted, speed is 10-30 cps.

TYMNET

Additions:

Nashville, TN	615/244-5784
Louisville, KY	502/367-6457 (120 cps, B212A)

Deletions:

Houston, TX	713/780-7593 (120 cps, B202)
San Jose, CA	408/984-5500

TELENET

Changes:

	From:	To:
Oklahoma City, OK	405/272-9280	405/232-4501
Tulsa, OK	918/587-0158	918/599-7131
Dayton, OH	513/222-2086	513/461-1570
Hempstead, NY	516/292-0320	516/292-0328

TRAINING CLASSES - To accommodate the large number of trainees from new online centers, the NLM has added an initial training class to the 1978 schedule to be held October 16-20 at NLM.



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CLINPROT  
(Manual  
18.3.17,  
18.3.18

- The CLINPROT data base was updated May 9, 1978. Appendix A is a complete list of the subject captions used to index this file, with the hierarchical subject codes and the posting frequencies for each caption.

MEDLEARN  
(Manual 20)

- The login procedure for MEDLEARN has been modified slightly to reflect the fact that NEWS, FILES and PHONES are no longer available under TSO. A sample logon interaction follows:

```
LOGON XXX00
LOGON IN PROGRESS AT 09:33:35 ON MAY 15, 1978
NO BROADCAST MESSAGES
DO YOU WANT MEDLEARN, ENTER YES OR NO: YES (or Y)
'LJE.MEDLEARN.NEWS'
```

**\*MEDLEARN\* AVAILABILITY**

THE HOURS DURING WHICH \*MEDLEARN\* MAY BE ACCESSED  
HAVE BEEN CHANGED. THE NEW SCHEDULE IS AS FOLLOWS:

```
BEFORE 10 A.M. (ET)
FROM 11 A.M. TO 2 P.M. (ET)
AFTER 5 P.M. (ET)
```

TELEPHONE  
DIRECTORY

- Included with this bulletin is a telephone directory of domestic online search analysts and other persons working in related activities consisting of two lists. One list is in order alphabetically by the person's last name; the other list is in order by state, within state by city, and within city by the name of the institution. The cutoff date for inclusion in this directory was May 15. Forms received after this date will be included in a supplement which we plan to issue in October 1978.

NON-PRIME  
HOURS  
(Manual 1.6)

- Effective July 1, 1978 non-prime hours have been extended to include 11:30 a.m. to 1:00 p.m. (ET) Monday through Friday at NLM and SUNY until further notice.

TELENET  
(Manual  
3.5.1.3)

- Effective Friday, June 9, 1200 baud TELENET access is expected to be provided at SUNY. The following TELENET login changes will be in effect:

```
C 518 20 (for 30 cps)
C 518 21 (for 120 cps)
```

For a limited period, C 518 ML will continue to work at SUNY for 300 baud access.

ELIMINATION OF THE INITIAL DOUBLE QUOTE FROM COMMANDS  
Grace H. McCarn, Head, MEDLARS Management Section, NLM

Effective July 3, 1978 a program change will be in effect which will allow users to input commands without the leading double quote (") mark. (The closing double quote has not been required for some time.) We believe this change will make it easier for searchers to input commands and will make training of users easier since the distinction between commands and regular search term inputs is virtually eliminated.

There are several cautions that must be noted:

Caution (1) - "TIME and "CAPS must continue to be input with the leading double quote mark. These items are special commands, not part of the normal ELHILL program and, at present, cannot be changed.

Caution (2) - If you stack multiple commands on one line of input, only the first double quote mark may be left out. All others, including the trailing double quote for the first of the stacked commands, must be input. For example:

"FIND LIVER" "PRT 1, AR" could be input as  
FIND LIVER" "PRT 1, AR"

As you can see, the elimination of the double quote is designed for non-stacked commands. In other words, you may leave out all double quotes if only one command is entered, but if commands are stacked, only the initial double quote may be omitted.

Caution (3) - There will be cases when the program will not be able to tell the difference between a word used as free text and a word used as command name. For example, when entering a search title in an offline print or offsearch, a user might input the title PRINT OF 18 CITATIONS. In this case a PRINT command will be generated. To avoid this ambiguity in STORESEARCH, OFFSEARCH, etc., simply depress the space bar once before inputting the ambiguous word. In general, however, avoid the use of command names except when the intent is to issue a command. Users should be aware that PRT cannot be used as a synonym for PRINT commands when in OFFSEARCH or STORESEARCH, unless preceded by the double quote mark. PRINT must be used.

Caution (4) - In the unlikely event that you would want to search a text word which is also a command, you must input the key word with a leading space and then the word followed by TW.

Example: (space) PRT (TW)

Note that if you wish to continue to use the double quote mark, you may do so and, thus, continue to search exactly as you always had prior to July 3. The program will continue to accept the leading and ending double quote mark.

NLM TECHNICAL BULLETIN - JUN 78

For the present, MEDLEARN will continue to require the leading double quote. However, the MEDLEARN program, and appropriate text, will be changed as soon as possible to reflect this change.

Please let MEDLARS Management know right away if you experience any difficulty using this revised procedure or if you have any questions.

NEW SERIALS ANNOUNCEMENT - MAY 1978  
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the right of the title indicates that the title appears in Index Medicus. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, 301/496-1276, Technical Services Division, NLM.

ADVANCES IN BIOLOGICAL PSYCHIATRY 1,1978-- KARGER BASEL ON ORDER-CIP	SWITZERLAND	ADDRESS: AMERICAN JOURNAL OF PROCTOLOGY, GASTROENTEROLOGY, AND COLON AND RECTAL SURGERY, P.O. BOX 325, ROWAYTON, CT 06853 ON ORDER
AGING AND WORK 1,1978-- NATIONAL COUNCIL ON THE AGING CONTINUES INDUSTRIAL GERONTOLOGY NEW YORK IN PROCESS	UNITED STATES	IM ARCHIVES OF TOXICOLOGY. SUPPLEMENT 1,1978-- SPRINGER VERLAG BERLIN ON ORDER-CIP
AMBULATORY ELECTROCARDIOLOGY 1977-- DEL MAR AVIONICS IRVINE, CA ON ORDER-UCLA	UNITED STATES	BREAST CANCER TASK FORCE PROGRAM AND RELATED PROJECTS 1976-- U.S. DEPT. OF H.E.W., NATIONAL INSTITUTES OF HEALTH, NATIONAL CANCER INSTITUTE BETHESDA IN PROCESS
AMERICAN COLLEGE OF PHYSICIANS SELF LEARNING SERIES. (MICROFORM) 1,JUL,1976-- DEVELOPED AND PRODUCED IN COLLABORATION WITH THE HEALTH SCIENCES LEARNING RESOURCES CENTER, UNIVERSITY OF WASHINGTON, INCLUDES PRE-TEST AND POST-TEST. INCLUDES AUDIOCASSETTE AND GUIDE, SOUND ACCOMPANIMENT FOR MANUAL OPERATION ONLY. PHILADELPHIA WI AM326W	UNITED STATES	BULLETIN SIGNALETIQUE. 880 GENIE CHIMIQUE INDUSTRIES CHIMIQUE ET PARACHIMIQUE 38,1977-- CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CONTINUES BULLETIN SIGNALETIQUE. 880 CHIMIE APPLIQUEE PARIS IN PROCESS
IM AMERICAN JOURNAL OF PROCTOLOGY, GASTROENTEROLOGY AND COLON AND RECTAL SURGERY 29,1978-- MCMAHON PUBLISHING CO CONTINUES AMERICAN JOURNAL OF PROCTOLOGY ROWAYTON CT	UNITED STATES	CARDIOVASCULAR DRUGS 1978-- UNIVERSITY PARK PRESS REVISED AND PUBLISHED FROM DRUGS, ISSUED BY ADIS BALTIMORE ON ORDER-UCLA
		GERMANY, WEST UNITED STATES FRANCE UNITED STATES

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CLINICAL PHARMACY AND DRUG EPIDEMIOLOGY  
1,1977--  
PSG PUBLISHING CO  
LITTLETON, MA UNITED STATES  
ON ORDER

COLLANA DI STUDI EPISTEMOLOGICI  
1,1977--  
ISTITUTO DI STORIA DELLA MEDICINA DELL  
UNIVERSITA DEGLI STUDI DI ROMA  
ROMA ITALY  
ON ORDER

CONTINUING PSYCHIATRIC EDUCATION  
1, 1978--  
DEKKER  
NEW YORK UNITED STATES  
ON ORDER

CRC HANDBOOK SERIES IN ZOOSES. SECTION B:  
VIRAL ZOOSES  
1,1978--  
CRC PRESS  
CLEVELAND UNITED STATES  
ON ORDER

CRC HANDBOOK SERIES IN ZOOSES. SECTION C:  
PARASITIC ZOOSES  
1,1978--  
CRC PRESS  
CLEVELAND UNITED STATES  
ON ORDER

CRITICAL CARE AND EMERGENCY MEDICINE  
1,1978--  
DEKKER  
NEW YORK UNITED STATES  
ON ORDER

CURRENTS IN ALCOHOLISM  
1,1977--  
GRUNE AND STRATTON  
NEW YORK UNITED STATES  
ON ORDER - CIP

DERMATOLOGY CLINICS  
1,1977--  
E.R. SQUIBB & SONS  
PRINCETON UNITED STATES  
ON ORDER

DIABETES CARE  
1,1978--  
AMERICAN DIABETES ASSOCIATION  
NEW YORK UNITED STATES  
ON ORDER

DOWN'S SYNDROME  
1,1978--  
CHILDREN'S BRAIN RESEARCH CLINIC  
WASHINGTON UNITED STATES  
ZWS 1073 D751

FAMILY AND COMMUNITY HEALTH  
1978--  
ASPEN SYSTEMS CORP  
GERMANTOWN MD UNITED STATES  
ON ORDER-UCLA

FAO FOOD CONTROL SERIES  
1976--  
FOOD AND AGRICULTURE ORGANIZATION OF THE  
UNITED NATIONS  
CONTINUES FAO FOOD ADDITIVE CONTROL SERIES.  
ROME, NY UNITED STATES  
IN PROCESS

FORUM ON MEDICINE  
1,1978--  
AMERICAN COLLEGE OF PHYSICIANS  
SUPERSEDES BULLETIN OF THE AMERICAN COLLEGE  
OF PHYSICIANS.  
PHILADELPHIA UNITED STATES  
ON ORDER

FUNDAMENTALS IN RESPIRATORY DISEASES  
1,1976--  
BELGIAN SOCIETY OF ALLERGOLOGY AND CLINICAL  
IMMUNOLOGY.  
GHENT BELGIUM  
IN PROCESS

GAP JUNCTIONS IN THE NERVOUS SYSTEM  
1977--  
BRAIN INFORMATION SERVICE, CENTER FOR THE  
HEALTH SCIENCES, UNIVERSITY OF CALIFORNIA,  
LOS ANGELES UNITED STATES  
LOS ANGELES  
MUST ORDER DIRECT. ADDRESS: BRAIN  
INFORMATION SERVICE CENTER FOR HEALTH  
SCIENCES, UNIVERSITY OF CALIFORNIA LOS  
ANGELES, LOS ANGELES, CA 90024  
ZWL 102.9 G211

GENETIC MECHANISM OF CELLS  
1978--  
ACADEMIC PRESS  
NEW YORK UNITED STATES

GENETICS, PRINCIPLES AND PERSPECTIVES  
SERIES: A SERIES OF TEXTS  
1,1977--  
EDWARD ARNOLD  
LONDON ENGLAND  
W1 GE293P

HEALTH DEVICES ALERTS  
1,1977--  
EMERGENCY CARE RESEARCH INSTITUTE  
PLYMOUTH MEETING, UNITED STATES  
PA  
ON ORDER

HOSPITAL ENGINEERING  
31,1977--  
EARLSPORT PUBLICATION  
CONTINUES HE; HOSPITAL ENGINEERING  
LONDON UNITED STATES  
IN PROCESS

INFERTILITY  
1,1978--  
DEKKER  
NEW YORK UNITED STATES  
ON ORDER

INFIRMIERS  
1,1977--  
M. JEAN - PIERRE TURQUIN  
NEUILLY - SUR - FRANCE  
SEINE  
W1 IN409S

NLM TECHNICAL BULLETIN - JUN 78

- INTENSIVBEHANDLUNG  
1, 1976--  
DUSTRI-VERLAG FEISTLE  
MUENCHEN GERMANY, WEST  
ON ORDER
- INTERNATIONAL FAMILY PLANNING PERSPECTIVES  
AND DIGEST  
4, 1978--  
ALAN GUTTMACHER INSTITUTE  
CONTINUES INTERNATIONAL FAMILY PLANNING  
DIGEST  
NEW YORK UNITED STATES  
ADDRESS: ALAN GUTTMACHER INSTITUTE, 515  
MADISON AVE., NY, NY 10022.  
IN PROCESS
- IRANIAN JOURNAL OF SURGERY  
1, 1978--  
PAHLAVI UNIVERSITY  
SHIRAZ IRAN  
ADDRESS: EDITOR, IRANIAN JOURNAL OF  
SURGERY, PAHLAVI UNIVERSITY, SHIRAZ, IRAN  
ON ORDER
- JOURNAL OF BEHAVIORAL MEDICINE  
1, 1978--  
PLENUM  
NEW YORK UNITED STATES  
ON ORDER
- JOURNAL OF CONTINUING EDUCATION IN UROLOGY  
16N8, AUG, 1977--  
MEDICAL DIGEST  
CONTINUES UROLOGY DIGEST  
NORTHFIELD, IL UNITED STATES  
W1 J0595Z
- JOURNAL OF ENDOCRINOLOGICAL INVESTIGATION  
1, 1978--  
EDITRICE KURTIS S.R.L.  
MILAN ITALY  
ON ORDER
- IM JOURNAL OF ENVIRONMENTAL SCIENCE AND  
HEALTH. PART C: ENVIRONMENTAL HEALTH  
SCIENCES  
C13N1, 1978--  
MARCEL DEKKER  
CONTINUES IN PART ENVIRONMENTAL LETTERS  
NEW YORK UNITED STATES  
W1 J0644BIB
- JOURNAL OF HEALTH AND HUMAN RESOURCES  
ADMINISTRATION  
1, 1978--  
AUBURN UNIVERSITY AT MONTGOMERY  
MONTGOMERY AL UNITED STATES  
ON ORDER
- JOURNAL OF POPULATION  
1, 1978--  
HUMAN SCIENCES PRESS  
NEW YORK UNITED STATES  
ON ORDER
- LAW AND PSYCHIATRY  
1, 1978--  
PERGAMON  
NEW YORK UNITED STATES  
ON ORDER
- IM LEGAL ASPECTS OF MEDICAL PRACTICE  
5N9, 1977--  
GMT MEDICAL INFORMATION SYSTEMS  
CONTINUES THE JOURNAL OF LEGAL MEDICINE.  
CALLED ALSO: THE JOURNAL OF LEGAL MEDICINE,  
OCT. 1977-. PUBLICATION OF THE AMERICAN  
COLLEGE OF LEGAL MEDICINE.  
NEW YORK UNITED STATES  
W1 LE448J
- LEGAL MEDICINE QUARTERLY  
1, 1977--  
JONAH PUBLICATIONS LTD  
TORONTO CANADA  
ADDRESS: LEGAL MEDICAL QUARTERLY, 46 PARK  
HILL RD., TORONTO, ONTARIO, CANADA M6C 3N1  
ON ORDER
- MEDICAL AND HOSPITAL MALPRACTICE  
1, 1978--  
DEKKER  
NEW YORK UNITED STATES  
ON ORDER
- MEDIZINTECHNIK  
98N1, 1978--  
A. W. GENTNER VERLAG  
CONTINUES MEDZINISCHE TECHNIK  
STUTTGART GERMANY, WEST  
IN PROCESS
- METHODOLOGICAL SURVEYS IN BIOCHEMISTRY  
6, 1977--  
JOHN WILEY AND SONS INC  
CONTINUES METHODOLOGICAL DEVELOPMENTS IN  
BIOCHEMISTRY  
NEW YORK UNITED STATES  
IN PROCESS
- NATIONAL AIR QUALITY AND EMISSIONS TRENDS  
REPORT  
1976--  
U.S. ENVIRONMENTAL PROTECTION AGENCY  
CONTINUES MONITORING AND AIR QUALITY TRENDS  
REPORT  
RESEARCH TRIANGLE UNITED STATES  
PARK  
IN PROCESS
- NATIONAL DIRECTORY OF SPECIALISTS IN  
PSYCHIATRIC-MENTAL HEALTH NURSING  
1, 1978--  
NATIONAL DIRECTORY  
CAMBRIDGE UNITED STATES  
ON ORDER
- NATIONAL LIBRARY OF MEDICINE AUDIOVISUALS  
CATALOG  
1977--  
U.S. DHEW. PUBLIC HEALTH SERVICE. NATIONAL  
INSTITUTES OF HEALTH. NATIONAL LIBRARY OF  
MEDICINE  
QUARTERLY, WITH THE 4TH ISSUE BEING THE  
ANNUAL CUMULATION.  
BETHESDA UNITED STATES  
MUST ORDER DIRECT. ADDRESS: OFFICE OF  
INQUIRIES AND PUBLICATION MANAGEMENT  
NATIONAL LIBRARY OF MEDICINE 8600 ROCKVILLE  
PIKE BETHESDA, MD 20014  
IN PROCESS

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NEUROLOGICAL RESEARCH 1,1978-- CRANE, RUSSAK AND CO NEW YORK ON ORDER	UNITED STATES		SLEEP 1978-- RAVEN PRESS NEW YORK ON ORDER-UCLA	UNITED STATES
NUTRITION PLANNING 1,1978-- NUTRITION PLANNING ANN ARBOR IN PROCESS	UNITED STATES		SOCIAL CHANGE 1,1977-- GORDON AND BREACH LONDON ON ORDER	ENGLAND
OSTETRICIA GINECOLOGIA PRATICA E MEDICINA PERINATALE 1978-- CONTINUES RIVISTA D OSTETRICIA E GINECOLOGIA PRATICA E DI MEDICINA PERINATALE MILANO ON ORDER	ITALY	IM	SOCIEDAD MEXICANA DE HISTORIA Y FILOSOFIA DE LA MEDICINA MONOGRAFIAS 1,1976-- MEXICO D.F. WI 50254H	MEXICO
OXYTOCIN 1,1977-- EDEN PRESS MONTREAL WI 0X64	CANADA		SOUTH AFRICAN JOURNAL OF COMMUNICATION DISORDERS 24,1977-- SOUTH AFRICAN SPEECH AND HEARING ASSOCIATION CONTINUES JOURNAL OF SOUTH AFRICAN SPEECH AND HEARING ASSOCIATION JOHANNESBURG IN PROCESS	SOUTH AFRICA
PATIENTENBEZOGENE MEDIZIN 1,1978-- FISCHER STUTTGART ON ORDER	GERMANY, WEST		STATISTICAL SERIES - NATIONAL INSTITUTE DRUG ABUSE. SERIES F. 1,1976-- U.S. DEPT. OF H.E.W. PUBLIC HEALTH SERVICE NATIONAL INSTITUTE ON DRUG ABUSE ROCKVILLE, MARYLAND MUST ORDER DIRECT. ADDRESS: NATIONAL INSTITUTE ON DRUG ABUSE DIVISION OF SCIENTIFIC AND PROGRAM INFORMATION 5600 FISHERS LANE ROCKVILLE, MD 20657 IN PROCESS	UNITED STATES
PERINATAL CARE 1,1977-- NEOMED PUBLISHING NEW YORK ADDRESS: NEOMED PUBLISHING INC., 420 LEXINGTON AVE., NEW YORK, NEW YORK 10017 ON ORDER	UNITED STATES		THESINDEX MEDICAL 1976-- BIBLIOTHEQUE INTERUNIVERSITAIRE CONTINUES INDEX ALPHABETIQUE ANNUEL DES SUJETS TRAITES DANS LES THESE DE MEDICINE CLERMONT-FERRAND IN PROCESS	FRANCE
PRACTICE DIGEST 1,1978-- NATIONAL ASSOCIATION OF SOCIAL WORKERS NEW YORK ON ORDER	UNITED STATES		TOXICON. SUPPLEMENT 1,1978-- PERGAMON PRESS OXFORD ON ORDER	ENGLAND
PSYCHOANALYSIS AND CONTEMPORARY THOUGHT 1,1978-- INTERNATIONAL UNIVERSITIES PRESS NEW YORK ON ORDER	UNITED STATES	IM	TRANSPORT IN HIGH RESISTANCE EPITHELLA 1977-- EDEN PRESS MONTREAL ON ORDER-UCLA	CANADA
PSYCHOLOGY USSR 1978-- PERGAMON NEW YORK ON ORDER	UNITED STATES		ZEITSCHRIFT FUR LYMPHOLOGIE. JOURNAL OF LYMPHOLOGY 1,1978-- SCHATTAUER STUTTGART CN ORDER	GERMANY, WEST
REPORT ON MEDICAL SCHOOL FACULTY SALARIES 1978-- ASSOCIATION OF AMERICAN MEDICAL COLLEGES CONTINUES MEDICAL SCHOOL FACULTY SALARY STUDY WASHINGTON IN PROCESS	UNITED STATES			
SEMINARS IN INFECTIOUS DISEASES 1,1978-- STRATTON NEW YORK ON ORDER-CIP	UNITED STATES			

LIST OF MONOGRAPHS INDEXED

JULY 1978

A

**Alfred Benzon Symposium, 10th, Copenhagen, 1976.** Drug design and adverse reactions : proceedings of the Alfred Benzon Symposium X, held at the premises of the World Health Organization, Regional Office for Europe, Copenhagen 17-20 May 1976 / edited by Hans Bundgaard, Per Juul, Helmer Kofod. -- Copenhagen : Munksgaard ; New York Academic Press, c1977 382 p. : ill., ports. -- (Scandinavian university books) ISBN 0-12-141150-8 (Academic Press)  
 1. Chemistry, Pharmaceutical - congresses 2. Drug Screening - congresses 3. Toxicology I. Bundgaard, Hans, ed. II Juul, Per, ed. III Kofod, Helmer, ed. IV. World Health Organization. Regional Office for Europe. V. Title  
 ISBN 0-12-141150-8 LC: 77-81404  
 04NLM: W3 AL36 1976d  
 OXNLM: [QV 771 A392 1976d]  
 IM Cit. No. 7802344

**Ambulatory medical care quality assurance, 1977 :** issues, directions, and applications : proceedings of the conference, March 31 and April 1, 1977, San Francisco, California / Gerald A. Giebink and Nicole H. White, editors, Edyth S. Short, associate editor. -- La Jolla, Calif. : La Jolla Health Science Publications, 1977 xiii, 181 p. : ill Sponsored by the Health Care Management Systems, inc  
 1. Ambulatory Care - congresses 2. Quality of Health Care - U. S. - congresses I. Giebink, Gerald A., ed. II. Short, Edyth S., ed. III. White, Nicole H., ed. IV. Health Care Management Systems, inc. V. Title: Conference on ambulatory medical care quality assurance, 1977  
 LC: 77-85115  
 04NLM: WX 205 A495 1977  
 IM Cit. No. 7800895

C

**Chemoreception in the carotid body /** edited by H. Acker ... [et al.]. -- Berlin ; New York : Springer-Verlag, 1977. xiv, 296 p. : ill. Papers from an international workshop held at the Max-Planck-Institut für Systemphysiologie, Dortmund, Germany, in 1976, and sponsored by Max-Planck-Gesellschaft zur Förderung der Wissenschaften and Deutsche Forschungsgemeinschaft.  
 1. Carotid Body - physiology - congresses 2. Chemoreceptors - congresses I. Acker, Helmut, ed. II. Deutsche Forschungsgemeinschaft. III. Max-Planck-Gesellschaft zur Förderung der Wissenschaften IV. Title: International workshop on chemoreception in the carotid body  
 ISBN 0-387-08455-X LC: 77-13691  
 04NLM: WL 102.9 C517 1976  
 IM Cit. No. 7802322

**Conference on Mycotoxins in Human and Animal Health, College Park, Md., 1976.** Mycotoxins in human and animal health : proceedings of a conference ... conducted by United States-Japan Cooperative Programs on Natural Resources, Panel on Toxic Micro-Organisms, in cooperation with the University of Maryland University College Conference and Institutes Division ; edited by Joseph V. Rodricks, Clifford W. Hesseltine, Myron A. Mehliman. -- Park Forest South, Ill. : Pathotox Publishers, 1977 xvii, 807 p. : ill Funded by Grant no. 1R13 FD-00814-01 Food and Drug Administration, DHEW, Grant no 1R13 CA-20729-01 National Cancer Institute, DHEW, National Institutes of Environmental Health Sciences, and U. S. Dept. of Agriculture Includes bibliographies  
 1. Mycotoxins - congresses I. Hesseltine, Clifford W., ed. II. Mehliman, Myron A., ed. III. Rodricks, Joseph V., ed. IV. National Cancer Institute. V. U. S. Food and Drug Administration. VI. United States-Japan Cooperative Programs on Natural Resources. Panel on Toxic Micro-Organisms. VII. Title  
 ISBN 0-930376-00-5 LC: 77-82886  
 04NLM: QW 630 C748m 1976  
 IM Cit. No. 7801996

**Coventry Conference, 4th, Warwickshire Postgraduate Medical Centre, 1977.** Trauma of the chest the Coventry

Conference / edited by W. G. Williams and R. E. Smith. -- Bristol, Eng. Wright, 1977 xi, 266 p. : ill.  
 1. Thoracic Injuries - congresses I. Smith, Ronald Edward II. Williams, William Gilbert, ed. III. Warwickshire Postgraduate Medical Centre, Coventry, Eng. IV. Title  
 ISBN 0-7236-0484-3 LC: 77-677338  
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# THE NLM TECHNICAL BULLETIN

FORMED BY THE UNION OF  
THE LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN AND THE TOXLINE TECHNICAL BULLETIN

JULY 1978

NO. 111

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

NLM TECHNICAL BULLETIN - JUL 78

FILES

DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	5,920	-1977	26 JUL 78	
BACK66	545,463	JAN 66-DEC 68	19 DEC 77	
BACK69	649,346	JAN 69-DEC 71	19 DEC 77	
BACK72	671,116	JAN 72-DEC 74	19 DEC 77	
+BACK75	385,601	JAN 75-DEC 75	19 DEC 77	
*BIOETHICS	5,528	1972-1978	31 JUL 78	
*CANCERLIT	131,469	JAN 63-JUL 78	19 JUL 78	7807(ED)
*CANCERPROJ	19,367	1976-1978	24 JUL 78	7806(ED) & 7807(ED)
*CATLINE	177,594	1965-1978	27 JUL 78	
CHEMLINE	248,877		01 JUN 78	
*CLINPROT	1,000		09 MAY 78	
*EPILEPSY	22,931	1945-PRESENT	09 JUN 78	
MEDLINE	542,644	JAN 76-AUG 78	10 JUL 78	7808(IM)
MESH VOC	14,699	1978	19 DEC 77	
*NAME AUTH	97,990	1978	31 JUL 78	
*RTECS	26,478	1977	06 MAR 78	
SDILINE	20,474	AUG 78	10 JUL 78	
*SERLINE	31,064	1978	31 JUL 78	
*TOXLINE	480,625		24 JUL 78	7807(ST)
CBAC	246,832	1974-VOL 28, 1		
TOXBIB	99,121	1974-AUG 78		
IPA	28,020	1974-MAY 78		
HEEP	62,622	1974-MAY-SEP 78		
PESTAB	13,337	1974-APR-JUN 78		
EMIC	19,093	1960-1977		
ETIC	11,600	1950-JUL 78		
*TOXBACK	379,299		06 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

- 1) \* = FILES AVAILABLE AT NLM ONLY.
- 2) + = CITATIONS WITH PUBLICATION YEAR OF 1975 OR EARLIER  
BUT ENTRY DATE OF 1976 OR 1977 ALSO INCLUDED.
- 3) THE BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

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Bethesda, Maryland 20014  
301/496-6193

TECHNICAL NOTES

PLEASE QUERY THE NEWS FILE DAILY FOR SPECIAL NOTICES AND MESSAGES BY ENTERING "NEWS AFTER ANY USER: CUE AT NLM OR SUNY.

- PRINT AR - In printing citations, either online or offline, one may specify AR in the PRINT command to receive author, title, source, and abstract (when present) for each citation. AR may also be specified in response to PRINTSPECS in an OFFSEARCH of MEDLINE and/or the Backfiles. Abstracts are included in MEDLINE and BACK75 only and if other Backfiles have been searched, only author, title, and source will be printed for them.
- BACK72 - The heading on offsearch prints for BACK72 has been changed so that it shows BACKFILE72/74 as the file name.
- BACKFILES, OFFSEARCH - B66, B69, B72, and B75 can now be input in response to the OFFSEARCH query files? instead of the longer names for the backfiles: BACK66, BACK69, etc.
- PHONES - Appendix A contains a complete list of access phone numbers.
- ELHILL COMMANDS - Reminder: Effective July 3 at NLM and effective July 24 at SUNY, initial double quotation marks are not necessary for commands (except for TIME, CAPS, and when stacking commands). See NLM Technical Bulletin, June 78, page 5.
- CHANGES IN BIOETHICS - The BIOETHICS data base was regenerated in July 1978. A complete manual chapter describing BIOETHICS is being prepared and is expected to be distributed to users by October 1978. Please note that the EXPLAIN unit record is now available and that the file can be accessed by one of the following aliases: BIOETHICSLINE, BIOETHICS, BIO, BI.

Following are changes resulting from the regeneration:

1. AUTHOR (AU) - directly searchable in MEDLINE format, i.e. Last name space Initial(s). However, data in this field will print out in full.  
Example: Author's name is Maxine Singer.  
Search as: SINGER M:  
Prints as: SINGER, MAXINE
2. ISBN (BN) - directly searchable. Because a period exists at the end of the field, truncate when searching.  
Example: 0398-0267-8: (BN)

3. CITATION NUMBER (CN) - changed to UNIQUE IDENTIFIER (UI); rangeable.
4. CORPORATE NAME (CO) - mnemonic changed to (CN)
5. ENGLISH ABSTRACT INDICATOR (EA) - dropped from unit record because all citations are English language
6. ENTRY MONTH (EM) - added as an update tag in format of YYMM.
7. LANGUAGE (LA) - uses three-letter abbreviation. (N.B. All records currently in this data base are English.)
8. MONOGRAPH TITLE (MT) - changed to TITLE OF MONOGRAPH (TM); for citations which are analytics of a larger work.  
Example: AU - HORAN, DENNIS J  
TI - AUTHORITY FOR MEDICAL TREATMENT: CONSENT.  
TM - IN: MEDICAL MEDICAL MALPRACTICE.  
IM - SPRINGFIELD, ILL.:ILLINOIS INSTITUTE FOR CONTINUING LEGAL EDUCATION,:1975. P. 7-1 TO 7-31.
9. NOTE (NO) - exists for the following publication types:
  - a. Monograph
  - b. Analytic
  - c. Audiovisual material (contains the physical description information)
  - d. Law
  - e. Court decision
10. NUMBER OF REFERENCES (NR) - mnemonic changed to (RF)
11. PUBLICATION DATE (PD) - changed to YEAR (YR) in format YY; rangeable
12. JOURNAL SUBSET (SB) - changed to PUBLICATION TYPE (PT); directly searchable.
13. SOURCE (SO) vs. IMPRINT (IM)  
For: For:
 

a. Journal article	a. Monograph
b. Newspaper article	b. Analytic
c. Law	c. Audiovisual material
d. Court decision	
e. Bill	
f. Unpublished document	
14. SUBJECT HEADINGS (SU) - changed to SUBJECT HEADING (SJ); used by the Kennedy Institute in publication of The Bibliography of Bioethics.
15. JOURNAL TITLE (TA) - changed to TITLE OF JOURNAL (TJ); spelled out in full, not abbreviated.
16. TEXT WORDS (TW) - derived from two fields:
  - a. CORPORATE NAME CN
  - b. TITLE TI

SEARCH  
and

- QUESTION: How would you search for citations, from 1972 to date, on CRYPTOCOCCUS NEOFORMANS where the organism is the main point of the article? Where would you look for these citations in Index Medicus?

ANSWER: In MEDLINE and BACK75, the search formulation would be simply

\*CRYPTOCOCCUS NEOFORMANS.

The heading is a see under reference or minor descriptor and may be searched on directly with or without the asterisk or subheadings. All see under references which were in MeSH in 1975 became searchable at that time. In BACK72, the search strategy would be

CRYPTOCOCCUS NEOFORMANS AND \*CRYPTOCOCCUS

The specific heading CRYPTOCOCCUS NEOFORMANS was a "provisional" heading in MeSH as of 1972. As such, indexers could use that term to index citations on the subject but could never indicate the term as IM for printing in Index Medicus. Rather, if the specific organism was the main point of the article, indexers added the more general heading CRYPTOCOCCUS to which CRYPTOCOCCUS NEOFORMANS was referenced and CRYPTOCOCCUS was made IM. The MeSH headings for such an article would therefore include both the specific term and the general in the see under reference as follows:

MH - \*CRYPTOCOCCUS

MH - CRYPTOCOCCUS NEOFORMANS

Proper search strategy would include both terms 'ANDed' together with the asterisk preceding the general heading.

In Index Medicus, citations have been and continue to be listed under the general heading CRYPTOCOCCUS. Since the term CRYPTOCOCCUS NEOFORMANS is a minor descriptor, it may not appear as a subject heading in Index Medicus. When the indexer indicates that CRYPTOCOCCUS NEOFORMANS is the main point of the article, the computer adds \*CRYPTOCOCCUS, resulting in a citation which includes both headings with asterisks:

MH - \*CRYPTOCOCCUS

MH - \*CRYPTOCOCCUS NEOFORMANS

The citation appears in IM only under the major descriptor CRYPTOCOCCUS.

The status of MeSH headings may be discerned from information provided in the annotations in the so-called searchers' MeSH (Medical Subject Headings - Annotated Alphabetic List). For a discussion on annotations, see pages LXVI - LXIX in the 1978 edition.

HEALTH MAINTENANCE ORGANIZATIONS is a MeSH heading that was introduced as a "provisional" in 1971. Can you plan a search strategy for HEALTH MAINTENANCE ORGANIZATIONS from 1971 to date based on the information provided above? NLM will provide a suggested strategy on this topic in the next issue of the NLM Technical Bulletin.

NLM TECHNICAL BULLETIN - JUL 78

1979 ONLINE  
SERVICES  
TRAINING  
SCHEDULE

- Following is the 1979 Online Services Training Class Schedule. Please note that the schedule is subject to change without prior notice and that classes designated "NLM" may be held at an RML if the need dictates.

<u>DATE</u>	<u>TYPE</u>	<u>LOCATION</u>
Jan 8 - 12	Advanced	NLM
Jan 15 - 19	Initial	RML 11
Jan 29 - Feb 2	Initial	NLM
Feb 12 - 16	Initial	RML 9
Feb 26 - Mar 2	Advanced	NLM
Mar 12 - 16	Initial	NLM
Mar 26 - 30	Advanced	NLM
Apr 9 - 13	Initial	NLM
Apr 23 - 27	Advanced	NLM
Apr 30 - May 4	Initial	RML 7
May 7 - 11	Advanced	RML 11
May 14 - 18	Initial	NLM
Jun 4 - 8	Initial	NLM
Jun 18 - 22	Advanced	NLM
Jul 9 - 13	Initial	RML 2
Jul 16 - 20	Advanced	RML 2
Jul 23 - 27	Initial	RML 11
Jul 30 - Aug 3	Advanced	NLM
Aug 13 - 17	Advanced	NLM
Aug 27 - 31	Initial	NLM
Sep 10 - 14	Advanced	NLM
Sep 17 - 21	Advanced	RML 10
Sep 24 - 28	Initial	NLM
Oct 1 - 5	Initial	NLM
Oct 15 - 19	Advanced	RML 7
Oct 22 - 26	Initial	NLM
Nov 5 - 9	Advanced	NLM
Nov 26 - 30	Initial	NLM
Dec 3 - 7	Advanced	RML 11
Dec 10 - 14	Advanced	NLM
Dec 17 - 21	Initial	NLM
-----		
Jan 7 - 11, 1980	Advanced	NLM

CHEMICAL ABSTRACTS SERVICE (CAS) REGISTRY NUMBER ENRICHMENT FOR  
INTERNATIONAL PHARMACEUTICAL ABSTRACTS (IPA), A TOXLINE SUBFILE

Sharon L. Valley, Ph.D.  
Specialized Information Services, NLM

A National Library of Medicine one year contract was signed June 1, 1978 with the American Society of Hospital Pharmacists (ASHP), the producers of International Pharmaceutical Abstracts (IPA), to assign Chemical Abstract Service (CAS) Registry Numbers to material being delivered in future monthly TOXLINE updates.

CAS Registry Numbers will be assigned to drug/chemical names appearing in the titles, abstracts and original papers indexed and abstracted by IPA staff. During the next few months, the volume of CAS numbers on the IPA subfile in TOXLINE will increase as procedures are established for routine processing of drug and chemical names.

Enrichment of this TOXLINE subfile with CAS Registry Numbers will assist users in the more rapid and comprehensive retrieval of drug and chemical information and data.

Note that PESTAB (Pesticides Abstracts) started adding CAS Registry Numbers in October, 1977. Therefore, the only remaining TOXLINE subfile requiring CAS Registry Numbers is TOXBIB. Users are, therefore, still encouraged to use the CAS number, names and synonyms, "OR"ed together, to ensure comprehensive retrieval in TOXLINE.

CATEGORY F: HUMAN OR ANIMAL?  
Arthur McGovern, Index Section, NLM

For your convenience I have listed below the few category F headings qualified in the annotations as for "human only" or "animal only". The F terms able to be used with "humans and animals" are not given below, although the MeSH annotation for each states "human and animal".

Human only

AFFECTIVE DISTURBANCES  
BEHAVIOR  
COITUS  
FATHER-CHILD RELATIONS

MOTHER-CHILD RELATIONS  
NONVERBAL COMMUNICATION  
PARENT-CHILD RELATIONS  
TRANSFERENCE

Animal only

AGONISTIC BEHAVIOR  
APPETITIVE BEHAVIOR  
CONSUMMATORY BEHAVIOR  
COPULATION  
GROOMING

NESTING BEHAVIOR  
PAIR BOND  
PREDATORY BEHAVIOR  
PREENING

Editor's Note: This information applies to both 1978 and 1979 Medical Subject Headings.



NLM TECHNICAL BULLETIN - JUL 78

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ONLINE USERS MEETING  
June 13, 1978  
Chicago, Illinois

Following are questions asked at the NLM Online Users Meeting and the NLM responses:

1. Q. Can the automatic SDI print format be augmented or changed?  
A. Yes, NLM plans to add additional print options for the Automatic SDI function. We plan that this will be implemented in conjunction with the 1979 MeSH Vocabulary update.
2. Q. Is it possible for the user to specify his own print format for Automatic SDI's?  
A. No. The print formats used in the Automatic SDI program are pre-specified. However, each user has the option of calling up a stored search in offsearch and specifying an individual print format.
3. Q. Can NLM provide a Save Search feature?  
A. NLM is currently examining the possibility of providing a Save Search feature. If this capability can be offered, we will announce it in the Technical Bulletin.
4. Q. Would it be possible to have one author printed out rather than all authors?  
A. It would be possible to limit the printout to one author if this is desired; however, most of the audience decided they would rather have the system continue printing all authors as the preferred option.
5. Q. Would it be possible to have all authors printed out on one line?  
A. NLM is investigating the possibility of printing online multiple occurrences on the same line for all elements, including authors, as is done offline.
6. Q. Can a cancellation feature be added for offsearches and offline prints?  
A. Once the offline print completed message is received, it is not possible to cancel an offline print; however, users may call MEDLARS Management Section and request that offsearches be cancelled, with the understanding that this cancellation would be done on a non-guaranteed basis. That is, MMS will attempt to cancel the offsearch but cannot guarantee that the program will accept the cancel instruction. This request must be made as soon as possible during the same day the offsearch was requested. Also, MMS needs to know whether the offsearch was input at SUNY or NLM.

7. Q. Would it be possible to provide a News update file similar to the one which used to be available?
- A. No, the update file was available under TSO and not under the ELHILL programs which run MEDLINE. Because of computer limitations, TSO use must be reduced as much as possible; therefore, we cannot provide the update file.
8. Q. In the "news" file could all news messages be lumped together?
- A. It is technically possible to lump all news notices together; however, many users appreciate the convenience of having only the most recent news printed out followed by the option of continuing the news file.
9. Q. How long are the news messages retained?
- A. News messages of general and continuing interest are maintained in the news file for 5 working days. Substantive messages are subsequently input in the Technical Notes portion of the Technical Bulletin.
10. Q. Would it be possible to speed up the update of the BRS MEDLINE tape?
- A. The user should consult with BRS about their update schedule. NLM provides the MEDLINE update on a timely basis.
11. Q. Would it be possible to provide a "print hold" or "next day online delivery" of citations retrieved from offsearches?
- A. NLM will study the feasibility of providing this capability.
12. Q. Will the hospital literature index be a subset of the MEDLINE file and when will the online file be available?
- A. The hospital file will be a separate data base which is expected to be available online by late summer.
13. Q. Are there any plans to add the National Clearing House for Mental Health file to the NLM data bases?
- A. NLM does not have any such plans.
14. Q. Can the stored address capability be added to OFFSEARCH?
- A. Stored addresses are automatically used in OFFSEARCH (unless overridden) at the present time.
15. Q. Would it be possible to provide an asterisk or some identifier in MeSH for tree numbers with indentions?
- A. The 1979 MeSH publication will contain such an indicator.

16. Q. What is the overlapping coverage between BIOETHICS and MEDLINE?  
A. There is an estimated 30% overlap between BIOETHICS and MEDLINE.
17. Q. Is it possible to search CATLINE and MEDLINE at the same time?  
A. Yes. Using OFFSEARCH, MEDLINE and CATLINE may be searched at the same time. To search both files in one offsearch, the file name first entered in response to FILES? cannot be the name of the file to which the user is connected. Also, the response to PRINTSPECS? must be SD or STANDARD, FU or FULL, or DL or DETAILED. These restrictions are necessary since MEDLINE and CATLINE are dissimilar data bases (i.e., some of the elements are different).
18. Q. Can the document type be identified in the BIOETHICS file?  
A. The document type is currently searchable by using the element Publication Type (PT) in the BIOETHICS file. The publication types include: journal, article, monograph, newspaper article and analytic.
19. Q. Would it be possible to add an "ALL BACKFILES command so that the individual backfiles need not be added or input during OFFSEARCH?  
A. The NLM will investigate the feasibility of adding this capability.
20. Q. Would it be possible to include the search formulation with the printed literature searches?  
A. Yes, it is possible to do this, however since the formulations are difficult to translate (unless one is a trained analyst) and since they are quickly outdated, NLM prefers to make the formulations available upon request rather than as a part of the printed literature search.
21. Q. What is the status of the revision of MEDLEARN?  
A. MEDLEARN will be updated following the completion of the TOXLEARN CAI program. TOXLEARN is expected to be completed in the fall of 1978.
22. Q. Does NLM plan to update the stored hedges?  
A. NLM does not plan to update these hedges. In fact, they will be deleted entirely for 1979.
23. Q. Can the backfile reviews be added to the current MEDLINE file or a separate review file be established?  
A. The backfile reviews were taken out of the MEDLINE file because of space limitation problems. NLM is continuing to study file sizes and file organization so that we will not be in jeopardy of running out of space. The implementation of Question 11 would ameliorate this problem by providing online output for backfile searches.

24. Q. Would it be possible to input abstracts in a truncated fashion for those abstracts which exceed 200 words rather than leaving them out entirely?
- A. This recommendation will be reviewed. NLM is studying the impact of adding additional abstracts to the data base.
25. Q. Would it be possible to provide an easier way to search phrases such as by "proximity" or "adjacency" search?
- A. The ELHILL programs do not provide proximity or adjacency search. This capability is extremely costly in computer processing time; however, we do provide stringsearching and sentence searching. Text word searching is also available.
26. Q. Are there standards for searchers available?
- A. NLM does not have standards for searchers available; however, a pre-test is required for users who are admitted to our advanced class. This may be an area which MLA would like to consider as part of its continuing education/certification program.
27. Q. Does NLM have a search test at the end of training?
- A. No. Currently NLM does not have a test as part of the training program.
28. Q. Would it be possible for NLM to provide audiovisual training materials such as videocassettes to be used by trained analysts for updating?
- A. Such instructional material is not currently available.
29. Q. Would it be possible to provide a pre-explode for the C4 category?
- A. Providing a pre-explode of C4 will involve a software change; however, NLM is examining the feasibility of providing this pre-explosion.
30. Q. If the pre-exploded C4 cannot be provided, could NLM define an optimal way to explode C4?
- A. Since use varies so greatly, NLM cannot define the optimal way to break down C4. Most users will want to use the Levels of the tree as a guide.
31. Q. What should be done by a user who is dropped from the system and, when attempting to log back in, receives the USER ID ALREADY IN USE message?
- A. The suggested procedure to follow will depend upon two things a) was this an isolated incident, or is the system as a whole going down and b) does the user need to get back into the system immediately, for example, to complete a search? If the system is going down, the USER ID ALREADY IN USE message will soon be replaced by an ELHILL 3 IS DOWN message, or a network message to the same effect (e.g., HOST

SHUT). In this instance, the user can only wait for the system to become available again, and then start all over from the beginning. If the system is functioning normally, and the user does not need to log in again immediately, nothing need be done. After 15 minutes the system will release the user's ID. There is no charge to the user for this 15 minutes. When the user does log in again, it will be to an entirely new environment, i.e., HELLO FROM ELHILL 3. If the system is functioning normally and the user needs to log in again immediately to complete a search, he/she should notify MEDLARS Management Section. MMS staff may be able to cancel the user's ID so that the user can log in again right away. In this case, there is a chance that the old search environment may still exist, and, when the user logs in, he/she may be placed at the point at which he/she was dropped. However, there is also a chance that canceling the ID will eliminate the environment as well, and the user will be greeted with HELLO FROM ELHILL 3 and a new environment, meaning that the search will have to be started all over again.

32. Q. Would it be possible to have the search formulation printed out with the offsearches?
- A. It is not possible to provide this capability within the current design of ELHILL.
33. Q. Would it be possible to provide an improved diagram command?
- A. NLM is looking into the feasibility of providing an improved diagram command.
34. Q. Will the 1200 BAUD service be more expensive than the 300 BAUD service?
- A. NLM is still studying the impact and cost of 1200 BAUD service.
35. Q. Would it be possible to add additional locator codes to the SERLINE file? If so, when will they be added?
- A. Yes; however extensive work is involved and NLM does not have a projected date at this time.
36. Q. Is it all right to print out more than 25 citations online?
- A. Yes, the 25 citation limitation is only a suggested one. Each user must decide for himself whether to print more or less online.
37. Q. Does NLM still recommend that we use SUNY first for MEDLINE and CHEMLINE?
- A. Yes, please use SUNY as your first choice when accessing MEDLINE and other files available at SUNY.

38. Q. Could an alias be input for the backfiles so that B66, B69, B72 and B75 could be accepted?
- A. NLM has implemented this request.
39. Q. Could the heading on offsearch prints for BACK72 be changed so that it shows BACKFILE 72-74 as the file name.
- A. NLM has made this change.

NEW SERIALS ANNOUNCEMENT - JUNE 1978  
 Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the right of the title indicates that the title appears in Index Medicus. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, 301/496-1276, Technical Services Division, NLM.

ACTA MEDICA KINKI UNIVERSITY  
 1,1976--  
 KINKI UNIVERSITY MEDICAL ASSOCIATION  
 OSAKA JAPAN  
 IN PROCESS

ADVANCES IN AQUATIC MICROBIOLOGY  
 1,1977--  
 ACADEMIC PRESS  
 NEW YORK UNITED STATES  
 IN PROCESS

ADVANCES IN HUMAN PSYCHOPHARMACOLOGY  
 1,1978--  
 JAI PRESS  
 GREENWICH, CT UNITED STATES  
 ON ORDER

AMERICAN ACADEMY OF OTOLARYNGOLOGY DIRECTORY  
 1978--  
 THE ACADEMY OF OTOLARYNGOLOGY  
 CONTINUES DIRECTORY - AMERICAN ACADEMY OF  
 OPHTHALMOLOGY AND OTOLARYNGOLOGY  
 ROCHESTER UNITED STATES  
 ON ORDER-UCLA

AMERICAN ACADEMY OF OPHTHALMOLOGY DIRECTORY  
 1978--  
 AMERICAN ACADEMY OF OPHTHALMOLOGY AND  
 OTOLARYNGOLOGY  
 CONTINUES DIRECTORY - AMERICAN ACADEMY OF  
 OPHTHALMOLOGY AND OTOLARYNGOLOGY  
 ROCHESTER UNITED STATES  
 ON ORDER-UCLA

BEHAVIORAL PRIMATOLOGY  
 1977--  
 LAWRENCE ERLBAUM ASSOCIATES  
 HILLSDALE, NJ UNITED STATES  
 ON ORDER-UCLA

CLINICA E LABORATORIO  
 1,1977?--  
 PENSIERO SCIENTIFICO  
 ROMA ITALY  
 ON ORDER

CLINICAL EXERCISES IN INTERNAL MEDICINE  
 1,1978--  
 SAUNDERS  
 PHILADELPHIA UNITED STATES  
 IN PROCESS

CURRENT THEMES IN PSYCHIATRY  
 1,1978--  
 MACMILLAN PRESS  
 LONDON ENGLAND  
 ON ORDER

CZECHOSLOVAK MEDICINE  
 1,1978--  
 AVICENUM - CZECHOSLOVAK MEDICAL PRESS  
 PRAGUE CZECHOSLOVAKIA  
 IN PROCESS

DEVELOPMENTS IN BIOCHEMISTRY  
 1978--  
 AMSTERDAM  
 AMSTERDAM NETHERLANDS  
 ON ORDER-UCLA

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DIRECTORY OF CERTIFIED NURSES

1977--  
AMERICAN NURSES ASSOCIATION, DIVISIONS ON  
NURSING PRACTICE  
KANSAS CITY, MO UNITED STATES  
ADDRESS: AMERICAN NURSES ASSOCIATION, 2420  
PERSHING ROAD, KANSAS CITY, MO. 64108  
IN PROCESS

DISOPYRAMIDE ABSTRACT REVIEW OF WORLD-WIDE  
MEDICAL LITERATURE  
N1,1976--  
EXCERPTA MEDICA  
MELBOURNE AUSTRALIA  
ADDRESS: MGR, KEITH DE JONG AND ASSOC. PTY,  
P.O. BOX 149, TOORAK, VIC 3142  
ON ORDER

EDUCAZIONE SANITARIA E MEDICINA PREVENTIVA  
1,1978--  
PENSIERO SCIENTIFICO  
ROMA ITALY  
ON ORDER

ENVIRONMENTAL MEASUREMENTS LABORATORY  
ENVIRONMENTAL QUARTERLY  
1978--  
DEPARTMENT OF ENERGY  
CONTINUES HEALTH SAFETY LABORATORY  
ENVIRONMENTAL QUARTERLY  
NEW YORK UNITED STATES  
IN PROCESS

EUROPEAN JOURNAL OF APPLIED MICROBIOLOGY  
AND BIOTECHNOLOGY  
5,1978--  
SPRINGER VERLAG  
CONTINUES EUROPEAN JOURNAL OF APPLIED  
MICROBIOLOGY  
BERLIN GERMANY, WEST  
IN PROCESS

EUROPEAN JOURNAL OF RHEUMATOLOGY AND  
INFLAMMATION  
1,1978--  
CAMERON PUBLISHERS  
CASTLETOWN, ISLE ENGLAND  
OF MAN  
IN PROCESS

FRACTURE: SANTE, CRITIQUE, PRATIQUE,  
AUTOGESTION  
N1,1977--  
SAVELLI  
PARIS FRANCE  
ADDRESS: 33 BD. SAINT-MARTIN, PARIS 75003,  
FRANCE  
ON ORDER

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N1,1977--  
ASSOCIATION POUR LE DEVELOPPEMENT DE LA  
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BOIS-GUILLAME, FRANCE  
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ADDRESS: 609 CHEMIN DE LA BRETEQUE, 76230  
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ON ORDER

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N1,1978--  
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MUST ORDER DIRECT. ADDRESS: U.S. NATIONAL  
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IN PROCESS

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N1,1978--  
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2 Brain - embryology - congresses 3 Brain - growth  
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I

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II Portmann, Michel, ed III Institut national de  
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2 Drug Resistance, Microbial - congresses 3 DNA,  
Recombinant - congresses 4 Extrachromosomal  
Inheritance - congresses 5 Plasmids - congresses  
I Krčmery, Vladimír, ed II Mitsuhashi, Susumu,  
ed III Rosival, Ladislav, ed IV Interamerican

Congress of Cardiology V Slovak Medical Society  
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## M

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I Cytogenetics - congresses 2 Genetics, Human - congresses I Comings, David E, ed II Fox, C Fred, ed III Sparkes, Robert W, ed IV Title Symposium on molecular human cytogenetics V Series  
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## P

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AZ	TUCSON				602/791-7541		
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CA	CUPERTINO	408/446-7309	B212A	120			
CA	CUPERTINO	408/446-6932	B202	120			
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CA	EL SEGUNDO	213/640-1281	B212A	120			
CA	HAYWARD	415/785-6520	B				
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CA	LOS ANGELES	213/683-0451	B		213/624-5230		
CA	LOS ANGELES	213/687-8083	V3405	120	213/624-1521	V3405	120
CA	LOS ANGELES	213/626-0365	B212A	120	213/624-0901	B212A	120
CA	LOS ANGELES	213/629-1561	B		213/937-3580		
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CA	MOUNTAIN VIEW	415/941-8450	B				
CA	MARINA DEL REY				213/822-9287		
CA	NEWPORT BEACH	714/540-9560	B				
CA	OAKLAND	415/465-7000	B				
CA	OXFORD	805/487-0482	B		805/487-5512		

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CA RIVERSIDE	714/825-9372	B			714/825-9512		
CA SACRAMENTO	916/441-6550	B			916/443-7921		
CA SAN BERNADINO					714/825-9512		
CA SAN CARLOS					415/595-0360		
CA SAN CLEMENTE	714/498-3130	FX B					
CA SAN DIEGO	714/299-9260	B212A	120				
CA SAN DIEGO	714/291-8700	B			714/231-1922		
CA SAN FRANCISCO	415/421-7121	V3405	120		415/956-5777	V3405	120
CA SAN FRANCISCO	415/982-3770	B212A	120		415/956-5787	B212A	120
CA SAN FRANCISCO	415/391-9325	B			415/362-6200		
CA SAN JOSE	408/446-7001	V3405	120				
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CA SAN JOSE	408/446-1470	B					
CA SANTA ANA					714/558-6061		
CA SANTA BARBARA	805/966-3184	FX B					
CA SANTA ROSA	707/526-4260	B					
CA VAN NUYS	213/986-9503	FX B					
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CO DENVR	303/573-9981	B			303/623-0876		
CO DENVER	303/572-1107	V3405	120				
CO DENVER	303/825-0635	B212A	120				
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CT WATERBURY	203/757-2537	FX B					
DC WASHINGTON	703/524-9215	B212A	120		202/347-3061	212A	120
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DC WASHINGTON*	301/496-6395	B202	120				
DC WASHINGTON*	301/652-4466	B212A	120				
DC WASHINGTON*	301/656-4773	V3405	120				
DE WILMINGTON	302/658-5261	FX B					
FL FT LAUDERDALE	305/467-7550	FX B			305/462-3620		
FL JACKSONVILLE	904/721-8100	B			904/355-4494		
FL MIAMI	305/374-7120	B			305/374-6400		
FL MIAMI	305/358-7271	B212A	120				
FL ORLANDO	305/841-6850	B			305/841-5550		
FL PENSACOLA	904/434-0134	FX B					
FL ST PETERSBURG	813/536-7823	B			813/823-3223		

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GA ATLANTA	404/581-0619	B212A	120	
GA SAVANNAH	912/352-7259	FX B		
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HI HONOLULU				808/524-8221 B212A 120
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IA DES MOINES	515/280-9600	B		
IA IOWA CITY	319/351-4046	FX B		
ID BOISE	208/343-4851	B		
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IL CHICAGO	312/346-4961	B		312/372-4901
IL CHICAGO	312/368-4607	B		
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IL FREEPORT	815/232-2181	B	30	
IL ROCKFORD	815/398-6090	B		
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IN INDIANAPOLIS	317/926-1296	B212A	120	
IN INDIANAPOLIS	317/257-3461	B		317/635-9630
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IN SOUTH BEND	219/259-9941	FX B		
KS TOPEKA	913/233-1612	FX B		
KS WICHITA	316/265-1241	B		
KY LOUISVILLE	502/361-3881	B		502/459-7010
KY LOUISVILLE	502/367-6457	B212A	120	
LA BATON ROUGE	504/927-6400	B		
LA LAFAYETTE	318/235-5202	FX B		
LA NEW ORLEANS	504/586-1071	B		504/568-1840
LA NEW ORLEANS	504/524-4371	B212A	120	
MA BOSTON	617/482-1854	V3405	120	617/338-7495 V3405 120
MA BOSTON	617/482-4677	B		
MA BOSTON	617/482-5622	B		617/338-1400
MA SPRINGFIELD				413/781-1930
MD BALTIMORE	301/547-8100	B		301/962-5010
MI ANN ARBOR	313/995-6250	B		313/668-4630
MI DETROIT	313/963-3388	B		313/961-5115
MI DETROIT	313/963-2353	V3405	120	
MI GRAND RAPIDS	616/459-8429	FX B		
MI JACKSON	517/784-8522	B		
MI KALAMAZOO	616/385-3150	B		
MI SOUTHFIELD	313/355-2950	B		
MI ST JOSEPH	616/429-2568	FX B		
MN MINNEAPOLIS	612/854-6659	B		612/339-0150
MN MINNEAPOLIS	612/854-2910	B212A	120	
MO KANSAS CITY	816/753-8900	B		816/474-1600
MO ST LOUIS	314/421-5110	B		314/231-8800
MO ST LOUIS	314/621-4660	B212A	120	
NC CHARLOTTE	704/376-0320	FX B		704/374-0371
NC RALEIGH/DURHAM	919/549-0441	B		919/549-8291
NE OMAHA	402/392-2970	B		402/330-1900
NH NASHUA	603/889-8618	FX B		

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NJ ENGLEWOOD CLFS	201/894-8250	B			
NJ LYNHURST	201/460-0180	B212A	120		
NJ LYNHURST	201/460-0100	B			
NJ MOORESTOWN	609/235-3761	FX B			
NJ NEWARK				201/623-6818	
NJ PISCATAWAY	201/981-0370	B			
NJ PRINCETON	609/921-0650	FX B			
NJ TRENTON				609/392-8801	
NJ WAYNE	201/785-4480	E			
NV CARSON CITY	702/882-7810	B			
NV LAS VEGAS	702/386-1899	FX B			
NV RENO	702/882-7810	B			
NY ALBANY	518/463-3111	FX B		518/445-9111	
NY BUFFALO	716/856-1400	E		716/847-0600	
NY CORNING	607/962-5071	B			
NY HEMPSTEAD				516/292-0328	
NY HUNTINGTON, LI	516/673-5780	FX B			
NY NEW YORK	212/689-8910	V3405	120	212/736-1800	V3405 120
NY NEW YORK	212/344-7445	B		212/736-7205	
NY NEW YORK	212/350-9100	B		212/736-0099	
NY NEW YORK	212/551-9322	B			
NY NIAGARA FALLS	716/285-9354	FX B			
NY ROCHESTER	716/546-1410	B		716/454-3430	
NY SYRACUSE	315/437-7111	B		315/424-9381	
NY WHITE PLAINS	914/694-9361	B		914/682-8777	
OH AKRON	216/535-1861	B		216/762-9791	
OH CINCINNATI	513/242-7040	B		513/621-7017	
OH CLEVELAND	216/781-7050	B		216/241-0940	
OH COLUMBUS	614/421-7270	B		614/463-1400	
OH DAYTON	513/223-3847	B		513/461-1570	
OH TOLEDO	419/243-3144	FX B		419/243-8871	
OH YOUNGSTOWN				216/743-2294	
OK OKLAHOMA CITY	405/947-0561	B		405/232-4501	
OK TULSA	918/663-2220	B		918/599-7131	
OR PORTLAND	503/231-4050	B		503/243-2800	
OR PORTLAND	503/231-4077	B212A	120		
PA ALLENTOWN	215/433-6131	FX B			
PA ERIE	814/459-1600	B			
PA HARRISBURG	717/236-1190	FX B			
PA PHILADELPHIA	215/561-6120	B		215/574-0620	
PA PHILADELPHIA	215/567-1381	B212A	120		
PA PITTSBURGH	412/765-1320	B		412/765-2681	
PA PITTSBURGH	412/261-4151	B212A	120		
PA VALLEY FORGE	215/666-9190	B			
PA YORK	717/846-4802	FX B			
RI PROVIDENCE	401/274-5783	FX B		401/274-1125	
SC GREENVILLE	803/271-2418	FX B			
TN MEMPHIS	901/345-1111	B		901/528-8350	
TN NASHVILLE	615/244-5784	FX B			
TN NASHVILLE				615/244-9020	
TX AUSTIN	512/444-3280	B		512/926-2160	
TX BAYTOWN	713/427-1123	FX B			
TX BEAUMONT	713/832-2589	FX B			
TX DALLAS	214/638-5800	B		214/748-0127	

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TX DALLAS	214/688-1117	B212A	120	214/748-6371	V3405	120
TX EL PASO	915/544-9590	C				
TX FORT WORTH	214/263-2341	FX B		817/338-1501		
TX HOUSTON	713/785-4411	B		713/224-3380		
TX HOUSTON	713/780-7390	B				
TX HOUSTON	713/785-4420	B				
TX HOUSTON	713/780-7496	V3405	120			
TX HOUSTON	713/977-7671	B212A	120			
TX LONGVIEW	214/758-0801	FX B				
TX LUBBOCK	806/762-0136	FX B				
TX MIDLAND	915/683-5645	B				
TX ODESSA	915/563-0273	FX B				
TX SAN ANTONIO	512/734-7381	B		512/224-1631		
UT SALT LAKE CITY	801/582-8972	B		801/364-2644		
VA NORFOLK	804/622-0435	FX B		804/625-1430		
VA RICHMOND	804/649-3050	FX B		804/358-1941		
WA ZEATTLE	206/622-7672	B212A	120			
WA SEATTLE	206/622-7930	B				
WI MADISON	608/221-4211	B		608/251-5904		
WI MILWAUKEE	414/257-3482	B		414/271-2560		
WI OSHKOSH	414/235-4594	FX B				

\*\*\*\*FOREIGN\*\*\*\*

BE BRUSSELS	640-0215	E				
CA CUPERTINO	408/257-0593	FOREIGN ACCESS ONLY				
CN BARRIE				705/737-4100	D	30
CN BRAMPTON				416/791-8900	D	30
CN BRANDON				204/725-0878	D	30
CN BRANTFORD				519/756-0006	D	30
CN CALGARY	403/263-7301	B	30	403/264-9340	D	30
CN CALGARY	403/263-2006	B	15			
CN CALGARY	403/263-2072	B	10	403/264-5680	D	10
CN CHARLOTTETOWN				902/569-3391	D	30
CN CHATHAM				519/354-7710	D	30
CN CHICOUTIMI				418/545-2272	D	30
CN CLARKSON				416/823-6000	D	30
CN CORNWALL				613/938-9700	D	30
CN EDMONTON	403/423-4888	B		403/420-0185	D	30
CN EDMONTON				403/423-1271	D	10
CN FZEDERICTON				506/454-9462	D	30
CN GALT				519/622-1714	D	30
CN GRANBY				514/375-1240	D	30
CN GUELPH				519/836-7930	D	30
CN HALIFAX				902/425-6931	D	30
CN HAMILTON				416/523-6800	D	30
CN JONQUIER				418/545-2272	D	30
CN KINGSTON				613/549-7720	D	30
CN KITCHENER				519/579-0009	D	30
CN LETHBRIDGE				403/329-8755	D	30
CN LONDON				519/679-7500	D	30
CN MEDICINE HAT				403/526-6587	D	30
CN MONCTON				506/854-7078	D	30
CN MONTREAL	514/878-0584	C	30	514/878-9971		30

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CN MONTREAL	514/878-0446	D	10	514/878-0450 D	30
CN MONTREAL	514/878-0589	C	15	514/878-9977	15
CN MONTREAL	514/878-0588	C	10	514/878-9975	10
CN MOOSE JAW				306/693-7611 D	30
CN NIAGARA FALLS				416/357-2702 D	30
CN NORTH BAY				705/474-3900 D	30
CN OSHAWA				416/579-8920 D	30
CN OTTAWA	613/563-9841	C	30	613/563-9639	30
CN OTTAWA				613/567-9100 D	30
CN OTTAWA				613/567-9200 D	10
CN OTTAWA				613/563-9629	15
CN OTTAWA				613/563-9625	10
CN PETERBOROUGH				705/748-6940 D	30
CN QUEBEC CITY	418/647-4716	D	10	418-647-4690 D	30
CN RED DEER				403/343-7200 D	30
CN REGINA				306/565-0111 D	30
CN ST CATHARINES				416/688-5620 D	30
CN ST HYACINTHE				514/774-9270 D	30
CN ST JOHN				506/693-7399 D	30
CN ST JOHN'S				709/726-4920 D	30
CN SARNIA				519/336-9920 D	30
CN SASKATOON				306/665-6660 D	30
CN SAULT STE. MARIE				705/942-4960 D	30
CN SHERBROOKE				819/566-2770 D	30
CN SUDBURY				705/673-9602 D	30
CN SYDNEY				902/539-7010 D	30
CN THREE RIVERS				819/373-2600 D	30
CN TORONTO	416/863-6202	C		416/361-0011	30
CN TORONTO				416/868-4000 D	30
CN TORONTO				416/361-1515	15
CN TORONTO				416/868-4016 D	10
CN TORONTO				416/361-1728	10
CN VANCOUVER	604/688-9811	B	30	604/669-6940 D	30
CN VANCOUVER	604/688-4838	B	15		
CN VANCOUVER	604/688-4338	B	10		
CN WINNIPEG				204/475-2740 D	30
CR WINSOR				519/255-1000 D	30
CN WOODSTOCK				519/485-5220 D	30
FR PARIS	603-5500	C			
FR PARIS	260-3635	E			
FR PARIS	TELEX 27308				
GB LONDON	01568-4455	C			
HC THE HAGUE	46-97-61	C			
MA MEXICO CITY	905/534-1363				
MX MEXICO CITY	905/534-1494				
MX MEXICO CITY	905/524-7906				
MX MEXICO CITY	905/534-1413				
MX MEXICO CITY	905/534-1409				
MX MEXICO CITY	905/534-1454				
SW LAUSANNE	21-25-4357		10		
SW LAUSANNE	21-25-6634		30		





# THE NLM TECHNICAL BULLETIN

FORMED BY THE UNION OF  
THE LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN AND THE TOXLINE TECHNICAL BULLETIN

AUGUST 1978

NO. 112

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FILES

DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	6,016	-1977	23 AUG 78	
BACK66	545,463	JAN 66-DEC 68	19 DEC 77	
BACK69	649,346	JAN 69-DEC 71	19 DEC 77	
BACK72	671,116	JAN 72-DEC 74	19 DEC 77	
+BACK75	385,601	JAN 75-DEC 75	19 DEC 77	
*BIOETHICS	5,528	1972-1978	31 JUL 78	
*CANCERLIT	135,571	JAN 63-JUL 78	11 AUG 78	7808(ED)
*CANCERPROJ	19,367	1976-1978	24 JUL 78	7806(ED) & 7807(ED)
*CATLINE	178,549	1965-1978	24 AUG 78	
CHEMLINE	248,877		01 JUN 78	
*CLINPROT	1,000		09 MAY 78	
*EPILEPSY	22,931	1945-PRESENT	09 JUN 78	
MEDLINE	563,581	JAN 76-SEP 78	07 AUG 78	7809(IM)
MESH VOC	14,699	1978	19 DEC 77	
*NAME AUTH	98,602	1978	28 AUG 78	
*RTECS	26,478	1977	06 MAR 78	
SDILINE	20,938	SEP 78	07 AUG 78	
*SERLINE	31,064	1978	31 JUL 78	
*TOXLINE	488,599		28 AUG 78	7808(ST)
CBAC	252,352	1974-VOL 28, 3		
TOXBIB	100,801	1974-SEPT 78		
IPA	28,329	1974-JUNE 78		
HEEP	62,622	1974-MAY-SEP 78		
PESTAB	13,802	1974-JUL-AUG 78		
EMIC	19,093	1960-1977		
ETIC	11,600	1950-JUL 78		
*TOXBACK	379,299		06 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

- 1) \* = FILES AVAILABLE AT NLM ONLY.
- 2) + = CITATIONS WITH PUBLICATION YEAR OF 1975 OR EARLIER  
BUT ENTRY DATE OF 1976 OR 1977 ALSO INCLUDED.
- 3) THE BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

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301/496-6193

TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference 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 2.9). Users should keep in mind that the item may pertain to other sections of the Manual.

- COMMANDS,  
DOUBLE QUOTE  
REQUIRED
- Double quote marks are still required for commands at NLM and SUNY when the command is entered after certain system prompts. Two such prompts are:
    - (1) MORE NEWS (Y/N) when printing the news
    - (2) REPLY (Y/N) when sending a comment.
 Other cases, if any, will be published as we become aware of them.
- STOPWORD LIST  
(Manual 4.14)
- The new ELHILL 3 Free Text Stopword List published in the Online Services Reference Manual was not used to process any MEDLINE data until the September 1978 update. Consequently, MEDLINE is inconsistent with regard to text words. Some words will give postings only through the August 1978 update. Other words will give postings for September 1978 update only. Attached are copies of the old and new lists. Care should be taken when searching to make sure the desired term is not on either list to assure complete retrieval.
- STORED  
ADDRESSES
- To override a stored address, the keywords MAIL = PROMPT may be input while performing offline or offsearch prints after either the REQUESTER'S NAME OR SAME? or SEARCH TITLE OR NONE system prompts. Entering the keywords will cause the program to prompt with NAME?, ADDRESS?, and CITSTAZIP? After receiving the name and address information from the searcher the program will again prompt for the requester's name or search title.
- PRINT AR
- The PRINT AR command described in the July 1978 Technical Bulletin can only be used with MEDLINE, its BACKFILES, and SDILINE in conjunction with online, offline, or offsearch printing.
- MESH
- Please note that the correct abbreviation for the subheading TRENDS is TD and not TR.
- CHEMLINE
- Effective August 14, CHEMLINE at NLM no longer contains the locator of EPATSCALIST or the EPA reporting code (RC) field. These were removed consistent with TSCA requirements.

TRAINING:  
ABBREVIATED  
INITIAL  
COURSE

- The National Library of Medicine is aware that there are a significant number of back-up searchers who wish to attend NLM online training courses. According to the priorities for training, such searchers are scheduled for classes on a stand-by basis as space permits. The current waiting time for Initial Training for back-up searchers is eight to ten months. Since most back-up searchers have had hands-on experience and desire to obtain more formal instruction, we are proposing to establish a special online lecture course, without hands-on sessions, so that a large group may be accommodated. An abbreviated Initial Training course will be held on November 13 - 16 in the Billings Auditorium at NLM. The subject content will be the same as that included in regular Initial courses; however, there will be no hands-on terminal practice.

Back-up searchers are encouraged to submit Applications for Training for this special class to the Online Training Coordinator, NLM, as soon as possible. Application forms may be obtained from the Regional Medical Libraries. Applications previously received by the Online Training Coordinator will receive first preference.

Registration is limited to one applicant per user ID code.

SERLINE  
CHANGES  
(Manual  
Part 11)

- A reminder: The SERLINE title search keys are not generated by the same process used to produce those for AVLINE and CATLINE, and so they may differ from the keys in those files. (11.3.2)
- In the abstracting and indexing tag (AI), the entry AV indicates inclusion in the Index to Audiovisual Serials in the Health Sciences. (11.3.4)
- In the call number field (CA), the entry ADA indicates special list titles indexed for the Index to Dental Literature and NLM does not collect the title; the entry AHA indicates special list titles indexed for the Hospital Literature Index and NLM does not collect the title. (11.3.17)
- In the Special List Indicator field (LI), the entry A indicates inclusion in the Index of Audiovisual Serials in the Health Sciences. (11.3.53)
- In the region 4 list (Appendix A) the fourth institution should be: MEDICAL COLLEGE OF VIRGINIA/VIRGINIA COMMONWEALTH UNIVERSITY, TOMPKINS-MCCAW LIBRARY.
- In the list of institutions and codes (Appendix B), between Medical College of Wisconsin and Medical Library Center of New York, enter MEDICAL COLLEGE OF VIRGINIA with the code 04TMC.

CHANGE IN HOURS ON TUESDAY MORNINGS AT NLM

Effective September 5, 1978 and every Tuesday thereafter, NLM will provide access to its online data bases starting at three o'clock in the morning (Eastern Time) rather than at 12 noon as in the past. Thus, NLM will provide service every day beginning at 3 A.M.

This change is being made in order to provide greater availability of NLM's data bases including TOXLINE, RTECS, and CATLINE which are not presently available on the SUNY computer. Please note that all use of time on Tuesday mornings will be billed at the same rates as on other days; that is, prime time and non-prime time rates will be in effect.

In the past the Tuesday morning time was reserved for the use of our Applications and Systems Programmers and other computer-related personnel in order to provide adequate test and maintenance of the hardware and software without the risks of disruption of services resulting from system failures. These risks have largely been minimized. In the event that such maintenance and/or tests need to be scheduled in the future, NLM reserves the right to schedule such testing during the Tuesday morning period. However, we expect that disruptions in service should be an uncommon occurrence. Also, in the future, it is possible that we will make additional changes in the hours to meet the ongoing needs of our users. We will keep you informed of all changes as quickly as possible.

RTECS - REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES  
1977 EDITION WITH NEW QUARTERLY UPDATE  
Sharon L. Valley, Ph.D.  
Specialized Information Services, NLM

The 1977 version of RTECS including its first quarterly update will be online at NLM in mid-September, 1978. This file will contain approximately 30,000 substances with toxicity data, an increase of approximately 4,500 substances since March, 1978. There are also several added features to this RTECS file.

One addition will be results of eye irritation and skin irritation tests. This information will be searchable in the toxicity data index string field, in the same format as LD50 information. One could search for eye (or skin) irritation results by entering:

(IX) EYE AND IRRITATION  
(IX) SKIN AND IRRITATION  
"PRT TOXDATA

As another addition, there is now a searchable field classifying the substance, developed by NIOSH. These may be searched (and printed) using the abbreviation CC for classification code. The terms/phrases which appear in this field are:

CLASS OF COMPOUND (CC)

AGRICULTURAL CHEMICAL	ACARICIDE
CARCINOGEN	AVICIDE
DRUG	FUNGICIDE
MUTAGEN	GERMICIDE
ORGANOMETALLIC	GROWTH REGULATOR
TERATOGEN	HERBICIDE
HORMONE	ATTRACTANT REPELLENT CHEMOSTERILANT
NATURAL PRODUCT	INSECTICIDE
	MOLLUSCICIDE
	NEMATOCIDE
	RODENTICIDE
	UNCLASSIFIED
	EXPERIMENTAL PESTICIDE
	NO LONGER USED

One could search for Agricultural Chemicals by entering:

```
(CC) AGRICULTURAL CHEMICAL
"PRT INCLUDE SY, CC
```

The Source Identification field (SI), searchable and printable, has been expanded with two more characters to allow for increases in the RTECS file. Therefore a previous record having the (SI) identifier of NIOSH/CN14000 will now appear as (SI) NIOSH/CN1400000.

The Molecular Formula (MF) field is now in the same format as CHEMLINE, (the Hill Convention); for organic chemicals there are carbon atoms first, then hydrogens, then elements in alphabetical order, e.g. C12-H24-N-O.

As with the earlier version of RTECS, one must use "PRT DL COMPLETE to obtain the entire record. Users are encouraged to try:

```
"PRT DL COMPLETE INDENTED
```

The INDENTED feature, available with any PRINT command, in any NLM online file, writes out more completely the print abbreviations.

Finally, the Toxicology Review (TC) field now also contains the name of the journal/book, volume, page, year for those reviews identified by NIOSH. Previously, this field only specified the number of citations. This new listing of the actual journal/book, etc. will allow users to more readily locate these review articles.

A new section of the NLM Online Services Reference Manual is being prepared and will be mailed to all online centers shortly.

NEW SERIALS ANNOUNCEMENT - JULY 1978  
 Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the right of the title indicates that the title appears in Index Medicus. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement. 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 INTRAVENOUS THERAPY  
 4N2, FEB-MAR. 1977--  
 MCMAHON PUBLISHING CO  
 CONTINUES AMERICAN JOURNAL OF IV THERAPY  
 ROWAYTON UNITED STATES  
 IN PROCESS

ANAESTHESIOLOGIE UND INTENSIVMEDIZIN.  
 ANAESTHESIOLOGY AND INTENSIVE CARE MEDICINE  
 109,1978--  
 SPRINGER-VERLAG  
 CONTINUES ANAESTHESIOLOGY AND RESUSCITATION  
 BERLIN GERMANY  
 IN PROCESS

ANALYTISCHE METHODEN ZUR PRUFUNG  
 GESUNDHEITSSCHAEDLICHER ARBEITSSSTOFFE  
 1,1976--  
 VERLAG CHEMIE  
 WURZBURG GERMANY WEST  
 W1 AN1919G

ARCHIVOS DE LA SOCIEDAD CANARIA DE  
 OFTALMOLOGIA  
 N1,1976--  
 SOCIEDAD CANARIA DE OFTALMOLOGIA  
 TENERIFE SPAIN  
 ADDRESS: DEPARTAMENTO DE OFTALMOLOGIA,  
 FACULTAD DE MEDICINA DE LA LAGUNA,  
 TENERIFE, ESPANA  
 IN PROCESS

BEHAVIORAL PRIMATOLOGY  
 1,1977--  
 LAWRENCE ERLBAUM ASSOCIATES  
 HILLSDALE, N J UNITED STATES  
 ON ORDER-UCLA

BEITRAEGE ZUR KARDIOLOGIE UND ANGIOLOGIE  
 25,1978--  
 DR DEITRICH STEINKOPFF VERLAG  
 CONTINUES KREISLAUF BUECHEREI  
 DARMSTADT  
 IN PROCESS

BIBLIOTEKA MEDYCZYNY SPOLECZNEJ  
 1,1976--  
 PANSTWOWY ZAKLAD WYDAWNICTW LEKARSKICH  
 WARSZAWA POLAND  
 IN PROCESS

IM BIOTELEMETRY AND PATIENT MONITORING  
 5,1978--  
 KARGER  
 CONTINUES BIOTELEMETRY  
 BASEL SWITZERLAND  
 IN PROCESS

CASE STUDIES ON LAW AND PRACTICE FOR HEALTH  
 SERVICE MANAGEMENT  
 7,1977--  
 RAVENWOOD PUBLICATION  
 CONTINUES CASE STUDIES ON HEALTH SERVICES  
 MANAGEMENT LAW AND PRACTICE  
 KENT ENGLAND  
 IN PROCESS

CELL NUCLEUS  
 1,1978?--  
 UNIVERSITY OF SHEFFIELD BIOMEDICAL  
 INFORMATION SERVICE  
 SHEFFIELD, ENG ENGLAND  
 ON ORDER

CHILD BEHAVIOR THERAPY  
 1,1978--  
 HAWORTH PRESS  
 NEW YORK UNITED STATES  
 ON ORDER

CHILD CARE: A COMPREHENSIVE GUIDE  
 V. 1- 1975-  
 HUMAN SCIENCES PRESS  
 EDITORS: V. 1- S. AUERBACH WITH J. A.  
 RIVALDO.  
 NEW YORK UNITED STATES  
 W1 CH6460B

COMMUNITY HEALTH INSTITUTE CLEARINGHOUSE  
 NEWS  
 IN3,MAR.1977--  
 NATIONAL ASSOCIATION OF COMMUNITY HEALTH  
 CENTERS  
 CONTINUES NATIONAL ASSOCIATION OF COMMUNITY  
 HEALTH CENTERS, INC. NEWSLETTER SUPPLEMENT  
 WASHINGTON UNITED STATES  
 ADDRESS: NATIONAL ASSOCIATION OF COMMUNITY  
 HEALTH CENTERS, INC., 1625 EYE STREET,  
 N.W., SUITE 420, WASHINGTON, D.C. 20006  
 IN PROCESS

NLM TECHNICAL BULLETIN - AUG 78

RESOURCE DIRECTORY; HEALTH INFORMATION  
SHARING PROJECT  
1978--  
SYRACUSE UNIVERSITY. HEALTH INFORMATION  
SHARING PROJECT  
SYRACUSE UNITED STATES  
MUST ORDER DIRECT. ADDRESS: SYRACUSE  
UNIVERSITY, HEALTH INFORMATION SHARING  
PROJECT, SYRACUSE, NY 13210, (315)423-4930,  
(315) 423-4524. SUPPORTED IN PART BY NIH  
GRANT LM 02800  
IN PROCESS

RIVISTA ITALIANA DEGLI ODONTOTECNICI  
14,1978--  
GRUPPO EDITORIALE CADMOS  
CONTINUES DENTAL PRESS  
MILAN ITALY  
WI RI759

RN IDAHO  
1,1977--  
IDAHO NURSES ASSOCIATION  
SUPERSEDES GEM STATE NEWSLETTER.  
BOISE UNITED STATES  
ADDRESS: IDAHO NURSES ASSOCIATION, 910  
NORTH CURTIS ROAD, OISE, IDAHO 83704  
ON ORDER

SALUBRITAS  
1,1977--  
AMERICAN PUBLIC HEALTH ASSOCIATION AND  
WORLD FEDERATION OF PUBLIC HEALTH  
ASSOCIATIONS  
WASHINGTON UNITED STATES  
ADDRESS: AMERICAN PUBLIC HEALTH  
ASSOCIATION, INTERNATIONAL HEALTH PROGRAMS,  
1015 EIGHTEENTH ST. N.W., WASHINGTON, D.C.  
20036  
IN PROCESS

SANITAETSBERUFE OSTERREICHS  
1,1977/78--  
VERLAG D. GOSCHL  
CONTINUES HANDBUCH FUER DIE SANITAETSBERUFE  
OESTERREICHS  
WIEN GERMANY  
W 22 GA8 S2

SCAN - INTERNATIONAL JOURNAL OF SCANNING  
ELECTRON MICROSCOPY AND RELATED METHODS  
1,MAR 1978--  
GERHARD WITZSTROCK  
BADEN BADEN GERMANY, WEST  
ON ORDER

IM SOCIAL PSYCHOLOGY  
41,1978--  
WASHINGTON  
CONTINUES SOCIOMETRY  
WASHINGTON, D.C. UNITED STATES  
WI S0123T

SOUTH AFRICAN PHARMACEUTICAL JOURNAL. SUID  
- AFRIKANE TYDSKRIF VIR APTEEKWESE  
44N2,1977--  
MIMS  
CONTINUES S-A TYDSKRIF VIR APTEEKWESE. SA  
PHARMACEUTICAL JOURNAL. TITLE VARIES: SA  
TYDSKRIF VIR APTEEKWESE. SA PHARMACEUTICAL  
JOURNAL, MAY 1977.  
PRETORIA SOUTH AFRICA  
WI S0908E

STUDIENMATERIAL ZUR WEITERBILDUNG MITTLERER  
MEDIZINISCHER FACHKRAEFTE  
N1,1978?--  
INSTITUT FUR WEITERBILDUNG MITTLERER  
MEDIZINISCHER FACHKRAEFTE  
CONTINUES STUDIEN MATERIAL ZUR  
WEITERBILDUNG MEDIZINISCH - TECHNISCHER  
LABORASSISTENTEN. SUPPLEMENT TO HEILBERUFE.  
POTSDAM GERMANY, EAST  
IN PROCESS

SUMMARY PROCEEDINGS, AMERICAN NURSES  
ASSOCIATION CONVENTION  
50TH, 1976--  
AMERICAN NURSES ASSOCIATION  
CONTINUES SUMMARY PROCEEDINGS, ANA HOUSE OF  
DELEGATES.  
KANSAS CITY, MO UNITED STATES  
IN PROCESS

SYMPOSIUM UBER EXPERIMENTELLE NEUROSE  
1,1975--  
DEUTSCHER VERLAG D. WISS., VETS  
BERLIN GERMANY, WEST  
ON ORDER



LIST OF MONOGRAPHS INDEXED

SEPTEMBER 1978

C

- Colloquium on Oxygen and Physiological Function, Durham, N. C., 1976.** Oxygen & physiological function : proceedings ... / edited by Frans F. Jöbsis. — Dallas : Professional Information Library, c1977. 550 p. : ill. Colloquium organized by the American Physiological Society in collaboration with the American Society of Biological Chemists and other societies. 'Presents a series of articles based on presentations during a five day colloquium at the spring 1976 meeting of the Federation of Societies for Experimental Biology.'  
I. Oxygen - congresses I. Jöbsis, Frans F., ed. II. American Physiological Society (Founded 1887). III. American Society of Biological Chemists. IV. Federation of American Societies for Experimental Biology. V. Title  
LC: 76-52190  
04NLM: QV 312 C714o 1976  
IM Cit. No. 7803753
- Cryoimmunologie : colloque, Dijon, 17-19 juin 1976 :** organisé par INSERM ... [et al.] = Cryoimmunology / publié sous la responsabilité de Denise Simatos, Douglas M. Strong, Jean-Michel Turc. — Paris : INSERM, 1977. 423 p. : ill. English or French with summaries in the other language.  
1. Blood Preservation - congresses 2. Cryogenic Surgery - congresses 3. Freezing - congresses 4. Immunology - congresses 5. Preservation, Biological - congresses I. Simatos, Denise, ed. II. Strong, Douglas M., ed. III. Turc, Jean Michel, ed. IV. Institut national de la santé et de la recherche médicale.  
ISBN 2-85598-149-2  
04NLM: QU 25 C957 1976  
IM Cit. No. 7803849 (rev.)

I

- Interactions between putative neurotransmitters in the brain** / editors, S. Garattini, J. F. Pujol, R. Samanin. — New York : Raven Press, c1978. xv, 415 p. : ill. — (Monographs of the Mario Negri Institute for Pharmacological Research) Based on a symposium held in Milan, Italy, Oct. 26-28, 1976.  
1. Brain Chemistry - congresses 2. Neurohumors - physiology - congresses I. Garattini, Silvio, ed. II. Pujol, J. F., ed. III. Samanin, R., ed. IV. Title: Symposium on interactions between putative neurotransmitters in the brain V. Series: Istituto di ricerche farmacologiche 'Mario Negri.' Monographs  
ISBN 0-89004-196-2 LC: 77-83686  
04NLM: QV 126 I59 1976  
IM Cit. No. 7706595 (rev. CIP.)

- International Congress of Liver Diseases, 4th, Basel, 1976.** Liver and bile : proceedings of the Fourth International Congress of Liver Diseases (the second part of the Basel Liver Week 1976), held at the Mustermesse (Kongresshalle), Basel, Switzerland, October 8-10, 1976 / edited by L. Bianchi, W. Gerok, K. Sicklinger. — Baltimore : University Park Press, c1977. xix, 448 p. : ill. — (Falk symposium ; no. 23)  
1. Bile Acids and Salts - congresses 2. Bile - secretion - congresses 3. Biliary Tract Diseases - congresses 4. Bilirubin - congresses 5. Liver Diseases - congresses I. Bianchi, Leonardo, ed. II. Gerok, Wolfgang, ed. III. Sickinger, Kurt, 1930- ed. IV. Basel Liver Week, 1976. V. Title VI. Title: Proceedings of the Fourth International Congress of Liver Diseases VII. Series  
ISBN 0-8391-1142-8 LC: 77-6295  
04NLM: W3 IN4294 4th 1976L  
OXNLM: [WI 700 I623 1976L]  
IM Cit. No. 7705098 (rev. CIP.)

- International Kupffer Cell Symposium, Noordwijkerhout, Netherlands, 1977.** Kupffer cells and other liver sinusoidal cells : proceedings ... / editors, E. Wisse and D. L. Knook. — Amsterdam ; New York : Elsevier/North-Holland Biomedical Press, c1977. xii, 544 p. : ill. Bibliography: p. 515-534.  
1. Kupffer Cells - congresses 2. Liver - cytology - congresses I. Knook, D. L., ed. II. Wisse, E., ed. III. Title

- ISBN 0-444-80031-X LC: 77-18077  
04NLM: WI 700 I633k 1977  
IM Cit. No. 7800048 (rev. CIP.)
- International Symposium on Aplastic Anemia, 1st, Kyoto, 1976.** Aplastic anemia : proceedings of the first International Symposium on Aplastic Anemia : held September 3-4, 1976, Kyoto / sponsored by the Japan Medical Research Foundation ; edited by Susumu Hibino, Fumimaro Takaku, Nasrollah T. Shahidi. — Baltimore : University Park Press, c1978. xiii, 442 p. : ill.  
1. Anemia, Aplastic - congresses I. Hibino, Susumu, ed. II. Shahidi, Nasrollah T., ed. III. Takaku, Fumimaro, ed. IV. Igaku Kenkyu Shinko Zaidan. V. Title  
ISBN 0-8391-1229-7 LC: 77-18736  
04NLM: W3 IN916ADS 1st 1976a  
OXNLM: [WH 175 I61 1976a]  
IM Cit. No. 7708905 (rev. CIP.)

- International Symposium on Microneurosurgical Anastomoses for Cerebral Ischemia, 3d, Rottach-Egern, Ger., 1976.** Microsurgery for stroke / Peter Schmiedek, editor, Otmaz Gratzl and Robert F. Spetzler, co-editors. — New York : Springer-Verlag, c1977. xvii, 291 p. : ill.  
1. Arteriovenous Anastomosis - congresses 2. Cerebral Ischemia, Transient - surgery - congresses 3. Cerebrovascular Disorders - surgery - congresses 4. Microsurgery - congresses I. Gratzl, Otmaz, ed. II. Schmiedek, Peter, ed. III. Spetzler, Robert Friedrich, 1944- ed. IV. Title  
ISBN 0-387-90250-3  
04NLM: W3 IN919M 3d 1976m  
OXNLM: [WL 355 I604 1976m]  
IM Cit. No. 7804155

M

- Mosbach Colloquium, 28th, 1977.** Integration and excision of DNA molecules : 28. Colloquium der Gesellschaft für Biologische Chemie, 21.-23. in Mosbach/Baden / edited by P. H. Hofschneider and P. Starlinger. — Berlin ; New York : Springer-Verlag, 1978. xi, 134 p. : ill.  
1. DNA, Recombinant - congresses 2. Transduction, Genetic - congresses 3. Transfection - congresses 4. Transformation, Genetic - congresses I. Hofschneider, Peter Hans, 1929- ed. II. Starlinger, Peter, ed. III. Gesellschaft für Biologische Chemie. IV. Title  
ISBN 3-540-08560-2 LC: 77-19175  
04NLM: W3 MO87 28th 1977i  
OXNLM: [QH 448.4 M894 1977i]  
IM Cit. No. 7804125

P

- Parathyroid Conference, 6th, Vancouver, B. C., 1977.** Endocrinology of calcium metabolism : proceedings of the sixth Parathyroid Conference, Vancouver, Canada, June 12-17, 1977 / editors, D. H. Copp, Roy V. Talmage. — Amsterdam : Excerpta medica ; New York : sole distributors for the USA and Canada, Elsevier/North-Holland, 1978. xiv, 462 p. : ill. — (Excerpta medica : International congress series ; no. 421)  
1. Calcium Metabolism Disorders - congresses 2. Calcium - metabolism - congresses 3. Parathyroid Hormone - physiology - congresses 4. Vitamin D - physiology - congresses I. Copp, Douglas Harold, 1915- ed. II. Talmage, Roy V., ed. III. Title IV. Series  
ISBN 0-444-90010-1 LC: 77-21251  
04NLM: W3 EX89 no.421 1977  
OXNLM: [WK 300 P223 1977e]  
IM Cit. No. 7707306 (rev. CIP.)

S

- Symposium on Venous Problems, Chicago, 1976.** Venous problems / edited by John J. Bergan, James S. T. Yao. — Chicago : Year Book Medical Publishers, c1978. xvii, 613 p. : ill., ports., front. Symposium, held Dec. 2-4, 1976 in honor of Dr. Geza de Takats, sponsored by the Dept. of Vascular Surgery, Northwestern University.  
1. Thrombophlebitis - congresses I. Bergan, John J., 1927- ed. II. De Takats, Geza. III. Yao, James S. T., ed. IV. Northwestern University. Dept.

of Vascular Surgery. V. Title  
ISBN 0-8151-0686-6 LC: 77-81529  
04NLM: WG 610 S987v 1976 IM Cit. No. 7804893

**T**

**Teratology Workshop, 1st, Berlin, 1977. Methods in prenatal toxicology : evaluation of embryotoxic effects in experimental animals : Teratology Workshop, April 1977, Berlin / edited by D. Neubert, H.-J. Merker, and T. E. Kwasigroch, with assistance of R. Kreft and A. Bedürftig ; with contributions by S. Alder ... [et al.]. -- Stuttgart : Thieme, 1977. ix, 474 p. : ill. Held at the Institut für Toxikologie und Embryonal-Pharmakologie, Freie Universität Berlin, under the auspices of the Deutsche Forschungsgemeinschaft. Includes bibliographies.**

1. Abnormalities, Drug-Induced - embryology - congresses 2. Fetus - drug effects - congresses  
3. Teratogens - congresses 4. Toxicology - methods - congresses I. Alder, S. II. Kwasigroch, T. E., ed. III. Merker, Hans Joachim, ed. IV. Neubert, Diether, ed. V. Deutsche Forschungsgemeinschaft. VI. Freie Universität Berlin. Institut für Toxikologie und Embryonal-Pharmakologie. VII. Title  
ISBN 3-13-558201-9  
04NLM: W3 TE735 1st 1977m  
0XNLM: [QS 679 T315 1977m] IM Cit. No. 7803904

OLD ELHILL 3 STOPWORD LIST

ABOUT	BUT	FURTHER	MINE	REALLY	TRANS
ABOVE	CAME	GET	MORE	REGARDING	TWO
ACROSS	CAN	GETS	MOST	REGARDLESS	UNDER
AFTER	CAN'T	GIVEN	MOSTLY	RIGHT	UNLESS
AGAIN	CANNOT	GIVING	MUCH	SAID	UNTIL
AGAINST	CAPS	GONE	MUST	SAME	UNTO
ALIKE	CENTER	GOT	MYSELF	SATISFACTORY	UPON
ALL	CLEAR	GREAT	NEAR	SECOND	UPWARD
ALMOST	COMPLETELY	HAD	NEARBY	SEEN	VERY
ALONE	CONTINUED	HARDLY	NEARLY	SELF	VIA
ALONG	COULD	HAS	NECESSARILY	SELVES	WAS
ALREADY	COULDN'T	HAVE	NEW	SEVENTH	WASN'T
ALSO	DAY	HAVING	NEWLY	SEVERAL	WAY
ALTHOUGH	DAYS	HENCE	NEXT	SHALL	WELL
ALWAYS	DID	HER	NINTH	SHE	WERE
AMONG	DOES	HERE	NOBODY	SHOULD	WEREN'T
AND	DOESN'T	HEREIN	NON	SHOULDN'T	WHAT
ANOTHER	DOING	HIGH	NONE	SINCE	WHEN
ANY	DONE	HIGHER	NOR	SIX	WHENCE
ANYONE	DOWN	HIGHEST	NOT	SIXTH	WHERE
APART	DURING	HIGHLY	NOTED	SOME	WHEREAS
APPARENTLY	EACH	HIM	NOW	SOON	WHICH
APPEAR	EARLIER	HIS	OFT	SUB	WHILE
APPEARANCE	EARLY	HITHER	OFTEN	SUCH	WHO
APPEARED	EIGHTH	HOW	OLD	TEN	WHOM
APPEARING	EITHER	IMMEDIATE	ONCE	TENTH	WHOSE
APPEARS	ELSE	IMMEDIATELY	ONE	THAN	WHY
ARE	END	INDEED	ONES	THAT	WILL
ARISE	ENDED	INNER	ONLY	THE	WITH
AROSE	ENDING	INSTEAD	ONTO	THEIR	WITHIN
AROUND	ENE	INTO	OTHER	THEIRS	WITHOUT
ASIDE	ENOUGH	INWARD	OTHERS	THEM	WOULD
AVOID	ETC	ISN'T	OUGHT	THEN	WOULDN'T
AWAY	EVEN	ITS	OUR	THENCE	YES
BEAT	EVER	ITSELF	OURS	THERE	YET
BECAME	EVERY	JUST	OUT	THEREFORE	YOU
BECAUSE	EXCEPT	KEEP	OVER	THESE	YOUR
BECOME	FAIR	KEPT	OVERALL	THEY	YOURS
BECOMES	FEW	LARGELY	OWN	THIRD	1ST
BEEN	FIFTH	LATTER	PER	THIS	10TH
BEFORE	FIRST	LEAST	PLEASE	THOSE	2ND
BEHIND	FOLD	LEST	PLUS	THOUGH	3RD
BEING	FOLLOW	LIKE	PROBABLY	THREE	4TH
BELOW	FOLLOWING	MADE	PROMPT	THROUGH	5TH
BENEATH	FOLLOWS	MAINLY	PROMPTLY	THROUGHOUT	6TH
BETWEEN	FOR	MANY	PROPERLY	THUS	7TH
BEYOND	FORTH	MAY	QUICK	TOGETHER	8TH
BOTH	FOUR	MERE	QUICKLY	TOO	9TH
BRIEF	FOURTH	MERELY	QUITE	TOWARD	
BRIEFLY	FROM	MIGHT	RATHER	TOWARDS	

NEW ELHILL 3 STOPWORD LIST

A	COPYRIGHT	KEPT	POSSIBLY	SUFFICIENTLY
ABS	COULD	KG	POTENTIALLY	THAN
ABOUT	DID	KM	PREDOMINANTLY	THAT
ACCORDINGLY	DIFFERENT	KNOWLEDGE	PRESENT	THE
AFFECT	DO	LARGELY	PREVIOUSLY	THEIR
AFFECTED	DOES	LIKE	PRIMARILY	THEIRS
AFFECTING	DONE	MADE	PROBABLY	THEM
AFFECTS	DUE	MAINLY	PROMPT	THEN
AFTER	DURING	MAKE	PROMPTLY	THERE
AGAIN	EACH	MANY	QUICKLY	THEREFORE
AGAINST	EFFECT	MAY	QUITE	THESE
ALL	EFFECTS	MG	RATHER	THEY
ALMOST	EITHER	MIGHT	READILY	THIS
ALREADY	ELSE	ML	REALLY	THOSE
ALSO	ENOUGH	MORE	RECENTLY	THOUGH
ALTHOUGH	ESPECIALLY	MOST	REFS	THROUGH
ALWAYS	ETC	MOSTLY	REGARDING	THROUGHOUT
AMONG	EVER	MUCH	REGARDLESS	TO
AN	EVERY	MUG	RELATIVELY	TOO
AND	FOLLOWING	MUST	RESPECTIVELY	TOWARD
ANOTHER	FOR	NEARLY	RESULTED	UNDER
ANY	FOUND	NECESSARILY	RESULTING	UNLESS
ANYONE	FROM	NEITHER	RESULTS	UNTIL
APPARENTLY	FURTHER	NEXT	SAID	UP
ARE	GAVE	NO	SAME	UPON
ARISE	GETS	NONE	SEEM	USE
AS	GIVE	NOR	SEEN	USED
ASIDE	GIVEN	NORMALLY	SEVERAL	USEFULLY
AT	GIVING	NOS	SHALL	USEFULNESS
AUTHOR	GONE	NOT	SHOULD	USING
AWAY	GOT	NOTED	SHOW	USUALLY
BE	HAD	NOW	SHOWED	VARIOUS
BECAME	HAS	OBTAIN	SHOWN	VERY
BECAUSE	HARDLY	OBTAINED	SHOWS	WAS
BECOME	HAVE	OF	SIGNIFICANTLY	WERE
BECOMES	HAVING	OFTEN	SIMILAR	WHAT
BEEN	HERE	ON	SIMILARLY	WHEN
BEFORE	HOW	ONLY	SINCE	WHERE
BEING	HOWEVER	OR	SLIGHTLY	WHETHER
BETWEEN	IF	OTHER	SO	WHICH
BIOL	IMMEDIATELY	OUGHT	SOME	WHILE
BOTH	IMPORTANCE	OUR	SOMETIME	WHO
BRIEFLY	IMPORTANT	OUT	SOMEWHAT	WHOSE
BUT	IN	OVERALL	SOON	WHY
BY	INTO	OWING	SPECIFICALLY	WIDELY
CAME	IS	PARTICULARLY	STATE	WILL
CAN	IT	PAST	STATES	WITH
CANNOT	ITS	PERHAPS	STRONGLY	WITHIN
CERTAIN	ITSELF	PLEASE	SUBSTANTIALLY	WITHOUT
CERTAINLY	JUST	POORLY	SUCCESSFULLY	WOULD
CHEM	KEEP	POSSIBLE	SUCH	YET



# THE NLM TECHNICAL BULLETIN

FORMED BY THE UNION OF  
THE LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN AND THE TOXLINE TECHNICAL BULLETIN

SEPTEMBER 1978

NO. 113

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

FILES

DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	6,211	THROUGH 1978	28 SEP 78	
BACK66	545,463	JAN 66-DEC 68	19 DEC 77	
BACK69	649,346	JAN 69-DEC 71	19 DEC 77	
BACK72	671,116	JAN 72-DEC 74	19 DEC 77	
+BACK75	385,601	JAN 75-DEC 75	19 DEC 77	
*BIOETHICS	5,528	1972-1977	31 JUL 78	
*CANCERLIT	139,953	JAN 63-AUG 78	18 SEP 78	7809(ED)
*CANCERPROJ	20,617	1976-1978	30 SEP 78	7809(ED)
*CATLINE	179,787	1965-1978	28 SEP 78	
CHEMLINE	248,877		01 JUN 78	
*CLINPROT	1,168		30 SEP 78	7809(ED)
*EPILEPSY	23,775	1945-PRESENT	18 SEP 78	
MEDLINE	609,608	JAN 76-NOV 78	09 OCT 78	7811(IM)
MESH VOC	14,699	1978	19 DEC 77	
*NAME AUTH	99,420	1978	02 OCT 78	
*RTECS	31,636	1977	11 SEP 78	
SDILINE	23,071	NOV 78	09 OCT 78	
*SERLINE	31,276	1978	18 SEP 78	
*TOXLINE	499,559		25 SEPT 78	7809(ST)
CBAC	259,478	1974-VOL 28, 4-6		
TOXBIB	101,729	1974-OCT 78		
IPA	28,931	1974-JULY 78		
HEEP	63,648	1974-MAY-SEP 78		
PESTAB	14,080	1974-SEPT 78		
EMIC	19,093	1960-1977		
ETIC	11,600	1950-JUL 78		
*TOXBACK	379,299		06 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

- 1) \* = FILES AVAILABLE AT NLM ONLY.
- 2) + = CITATIONS WITH PUBLICATION YEAR OF 1975 OR EARLIER BUT ENTRY DATE OF 1976 OR 1977 ALSO INCLUDED.
- 3) THE BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

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National Library of Medicine  
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Bethesda, Maryland 20014  
301/496-6193

TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference to the section of the NLM Online Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual.

SOURCE AND  
TIME FRAME  
(ST)  
(Manual  
12.4.15)

- When TOXLINE and TOXBACK were regenerated in February 1978, entries in the SOURCE AND TIME FRAME fields were changed and entered in certain groups. For TOXBACK, citations within a particular year were grouped together and entered with the year of the citation as well as the number 12 (denoting the 12th month). For TOXLINE, citations in each year were grouped into two periods, January-July and August-December, except for the current year, 1978, where each month is entered separately except January 1978 which was included along with February 1978. The following represents the various ST's along with their associated number of postings:

TOXBACK:

(ST)	(Postings)
6512	8794
6612	14177
6712	15527
6812	14422
6912	15197
7012	17026
7112	16785
7212	141478
7312	135893

TOXLINE:

(ST)	(Postings)	
7407	20653	(Jan-July 1974)
7412	51085	(Aug-Dec 1974)
7507	23802	(Jan-July 1975)
7512	77611	(Aug-Dec 1975)
7607	77728	(Jan-July 1976)
7612	85317	(Aug-Dec 1976)
7707	87165	(Jan-July 1977)
7712	40907	(Aug-Dec 1977)
7802	16454	(Jan & Feb 1978)
7803	11589	
7804	11067	
7805	6112	
7806	10157	
7807	15978	
7808	7974	
7809	10960	

PASSWORDS - Reminder: Effective October 1, 1978, all ELHILL ID codes will have an associated password. If you did not receive notification via letter of August 22, 1978, signed by Dr. Leiter, informing you of your assigned password please call MEDLARS Management Section. If you already had a password in effect, your present password was not changed.

PHONES - Appendix A is an updated list of telecommunications phone numbers for accessing NLM/SUNY.

DATA FORM  
ABBREVIATIONS  
AS ENTRY TERMS  
(Manual 6.3.9)

\*MEDLARS

- There are three data form abbreviations which cannot be entered as search terms in ELHILL. They are HEW, NIMH, and SUBVALV STENOSIS. They represent the full Medical Subject Headings, UNITED STATES DEPARTMENT OF HEALTH, EDUCATION AND WELFARE; UNITED STATES NATIONAL INSTITUTE OF MENTAL HEALTH; and IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS; respectively. They cannot be used because the 36th character of the full MeSH heading is a space. This space prevents ELHILL from performing the necessary mapping required to retrieve the citations. As with other MeSH headings over 36 characters, one must enter the full MeSH heading with a colon before the 36th character to obtain retrieval.

SEARCH HINT - Following is the search formulation promised you in the search hint in the July 1978 issue of the Bulletin.

For MEDLINE and BACK75, the search formulation would be simply:

\*HEALTH MAINTENANCE ORGANIZATIONS

since the heading was upgraded to a major descriptor in 1974.

For BACK72, the search formulation would be:

HEALTH MAINTENANCE ORGANIZATIONS AND  
\*GROUP PRACTICE AND  
\*INSURANCE, HEALTH AND  
LESS THAN 731130

GROUP PRACTICE and INSURANCE, HEALTH were the index terms added for printing in Index Medicus until the 1974 input started. The date\* limits the retrieval to pre-1974 data if files other than BACK72 are specified in your offsearch.

For BACK69, a search is not required. Even though the term was introduced for use in indexing during 1971 (October 30th according to the IE field of the online MeSH record), there are no postings for the term until 1972. (Postings for all backfiles are also in the online MeSH record for all terms.)

\*Appendix B lists the entry date for each yearly segment of the backfiles.



THE TOXICOLOGY DATA BANK (TDB)

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

In November, NLM will initiate public access to the Toxicology Data Bank (TDB)--a new on-line service--to U.S. subscribers. TDB joins RTECS (Registry of Toxic Effects of Chemical Substances) as another interactive data retrieval system. The TDB provides users with data or "facts" about known or potentially toxic chemicals to which people are exposed.

During recent years, there has been a steadily mounting concern about the potentially harmful effects of chemicals on man and other biological systems. In 1976, this concern culminated in the passage of the Toxic Substances Control Act (TSCA). Concomitant with the public's growing awareness of toxic substances has come a rising demand for information about the properties, biological effects and usage of chemical substances in general. The Library's Toxicology Information Program responded to this broad range of requirements by initiating, in 1974, plans for an on-line, interactive data retrieval system--the Toxicology Data Bank.

The TDB is arranged by compound records, each of which contains data fields describing chemical, physical, toxicological, and usage properties. The 60 data fields are described fully in the TDB User Manual which will be made available to all U.S. subscribing organizations. Data for the TDB can be numeric or textual and are extracted from a standard set of sources including textbooks, monographs, handbooks, and criteria documents.

Compounds are chosen for the TDB because of known or potential toxicity and because substantial populations are exposed to them. The compounds for which data now appears in the TDB were selected primarily from hazardous substances lists compiled by Government agencies. Of the ca. 2,500 compounds originally selected for the TDB, 1,100 are represented in the present version of the TDB with complete records. The other 1,400 are in various stages of the extraction and evaluation process and are represented in the data bank by an "initial" record showing only the name, TDB number, Chemical Abstracts Service Registry Number and a statement of data extraction status.

As far as possible, the TDB contains "evaluated" data. To this end, data are being extracted from monographs and other evaluated secondary sources rather than from the primary literature. A list of the approximately 80 TDB sources now in use is enclosed with the aforementioned TDB User Manual.

To achieve another level of evaluation, TDB records are screened by a Peer Review Committee--a task group of NIH's Toxicology Study Section--made up of pharmacologists, toxicologists, and analytical chemists.

Their comments, revisions, and additions are processed into the TDB records prior to inclusion of these records in the on-line file. This group also has been involved in the selection and evaluation of input sources; in the future, the group will participate in the compound selection process as well.

Data items for TDB records are extracted as text segments with references to the sources. Extracts in four data fields (human toxicity, animal toxicity, laboratory methods, and interactants) also are "indexed" with main headings taken from NLM's Medical Subject Headings (MeSH) vocabulary.

Data extraction and creation of the input version of the TDB file using specially-designed computer programs is performed for the Library at the Oak Ridge National Laboratory. The file is then converted at NLM for on-line searching, using the ELHILL software.

The TDB is designed for whole text searching either within chosen data fields or "anywhere" in the file. The on-line user will be able to combine any assortment of data fields in a search but request the system to print only a particular data field such as "substance identification" as an answer. Detailed guidance for on-line searching of the TDB will be provided to users in the TDB User Manual.

When CHEMLINE is regenerated near the end of 1978, the compounds in the TDB will be linked through their CAS Registry Numbers to CHEMLINE records. It will then be possible to perform a structure search in CHEMLINE and, using the LOCATOR field, identify those compounds for which TDB records exist.

Initially, the file will be available only from the NLM computer. Plans for training classes are presently being developed and will be announced in the near future. The distribution of the TDB User Manual will be accomplished in mid-October.

During an initial, two-month (i.e., November and December 1978) user familiarization period, free access to the TDB will be provided to all domestic users of the NLM online services.

SCORE MEETING REPORT  
 Patricia Marsh O'Brien  
 Pharmaceutical Manufacturers Association

The Standing Committee for Online Retrieval Education (SCORE) met on June 9, 1978 at the Palmer House, Chicago, Illinois, prior to the Medical Library Association Annual Meeting. Major topics discussed included: 1) the SCORE CE Course on Neoplasia held on June 8, 1978, 2) the progress of the SCORE CE Course on Search Efficiency, 3) the NLM Database Users Educational Needs Profile, 4) Technical Resource Persons appointments and orientations, and 5) future appointment of new SCORE members.

CE Course on Neoplasia for Search Analysts

The CE Course on Neoplasia, the first CE course for users of the NLM system developed by SCORE members, was offered for the first time to selected search analysts on June 8, 1978 at the Palmer House, Chicago, Illinois. Ms. Patti Corbett and Ms. Ellen Nagle conducted the one day intensive course on the etiology, histology, diagnosis, and therapy of cancer and the NLM cancer-related databases. Attendees included SCORE members, online search analysts from the Chicago area, RML Online Coordinators, and NLM staff.

After the course, attendees participated in a lengthy evaluation session which concluded that the instructors' efforts were quite laudable. Several recommendations which were made by participants were relayed to SCORE. As a result, the course syllabus will be revised to include greater emphasis on databases and searching techniques in the classroom, and charts, illustrations and other training aids will be developed. Following completion and review of the revised syllabus and fulfillment of MLA CE course requirements, it is anticipated that the course will be offered by MLA to a general audience at the 1979 MLA annual meeting in Hawaii.

As a result of the very favorable responses to this pilot course, SCORE reaffirmed the continued development of CE courses either directly or through subcommittees.

CE Course on Search Efficiency

Michael Homan and Penny Worley reported that they had developed an outline for the proposed one day SCORE CE Course on Search Efficiency. The course will be designed to help build searcher effectiveness on MEDLARS and will be divided into three sections: system effectiveness including telecommunications basics, computer physiology, and ELHILL 3 refinements; searcher effectiveness including searcher-user interaction, sorting bibliographies, search aids and cost effectiveness; and a post-test and course evaluation.

Several individuals (non-SCORE members) have been invited to participate in the continued development of this course. A more extensive outline will be submitted at the fall SCORE meeting.

### NLM Database Users Educational Needs Profile

A mechanism for the distribution of NLM Database Users Educational Needs Profile was designed, and assignments for completion of the project were made. The questionnaire will be distributed in the near future following receipt of forms clearance from The Office of Management & Budget (OMB).

### Technical Resource Persons (TRPs)

Laura Kassebaum announced the names of those chosen by the Regional Medical Libraries as the TRPs for each Region. They are: Region I, Roberta Kolman; Region II, Lee Tanen; Region III, Ruthanne Henner; Region IV, Julie Blume; Region V, Ruth Taylor; Region VI, Mary Louise Gladish; Region VII, Lynne Morris; Regional VIII, Ruth Swanson; Region IX, Tricia McKeown, Region X, Carole Stock; Region XI, Michael Homan.

The TRPs will attend a two day orientation at NLM in late September. It is intended that annual update sessions will be scheduled in the Regions no sooner than two weeks following the orientation and no later than January 1, 1979.

### New SCORE Members

In anticipation of a membership rotation beginning in June 1979, RML Directors will be asked to submit the names of nominees who meet certain qualifications to SCORE for review along with letters of recommendation and CVs. At the fall SCORE meeting, SCORE members will review the submissions and recommend two individuals, subject to final approval by NLM.

### Next SCORE Meeting

The next SCORE meeting will be held on or about November 10, 1978.

Questions and comments regarding SCORE should be addressed to Ms. Laura Kassebaum, On-Line Training Coordinator, NLM.

### REDUCING THE RISK OF OFFSEARCH PURGES Sheila Proudman MEDLARS Management Section, NLM

During the first 12 months of operation, the processing time limit and stringsearch limit for OFFSEARCHes have caused 502 tasks to be purged. This figure represents about 1745 searches, 1.1% of the total attempted searches for that period. As a result of such purges, searchers experience a loss of both time (turn-around time is increased by 2 to 5 or more days) and money (having wasted the connect time used to enter the search). Some points are presented below which may assist searchers in eliminating purges.

More than half of the purges were caused by the use of large explosions, stored hedges\*, and large retrieval items such as HUMAN and ENG (LA). Specifically, first-level explosions such as C4, D8, F3, etc., and the stored hedges MEDLARS.PSYCHASPECTS and MEDLARS.IMMUNO are frequently too large to be performed successfully against more than one file per OFFSEARCH. It would be advisable, when using such items, to search MEDLINE, BACK75 and BACK72 in three separate OFFSEARCHes, and group the other BACKfiles together in a fourth. With the items such as HUMAN, ENG (LA), ANIMAL, etc., difficulty is encountered when they are used redundantly. For example, a searcher may combine these terms with each search term:

- SS 1 - EXP PSYCHOTROPIC DRUGS AND HUMAN AND ENG (LA)
- SS 2 - EXP NARCOTICS AND HUMAN AND ENG (LA)
- SS 3 - EXP HISTAMINE ANTAGONISTS AND HUMAN AND ENG (LA)
- SS 4 - EXP CENTRAL NERVOUS SYSTEM DISEASES AND HUMAN AND ENG (LA)
- SS 5 - 1 OR 2 OR 3
- SS 6 - 4 AND 5

when using the terms once at the last SS would accomplish the purpose in much less processing time:

- SS 1 - EXP PSYCHOTROPIC DRUGS OR EXP NARCOTICS OR  
EXP HISTAMINE ANTAGONISTS
- SS 2 - EXP CENTRAL NERVOUS SYSTEM
- SS 3 - 1 AND 2 AND HUMAN AND ENG (LA)

Another 25% of purged searches involved the use of stringsearching. The January 1977 Technical Bulletin article by David Kenton, titled "Judicious Use of Stringsearch in Online and Offline Searching," states: "Stringsearching (TS) uses more machine resources than any other function in ELHILL 3. Why? When a user executes this function, the machine is forced to examine each citation individually and interrogate it looking for the requested character string(s)." Even if the limit of 3000 citations per stringsearch has not been exceeded, the system may spend so much time performing the stringsearch that it exceeds the processing time limit. The following two principles, if used, will help reduce the chance of a purge: 1) NEVER stringsearch in OFFSEARCH for a concept which may be searched directly, such as ENG (LA) or HUMAN; 2) ALWAYS attempt to limit retrieval as much as possible BEFORE using stringsearch. For example, to find the phrase FAILURE TO THRIVE in titles, first retrieve the text words FAILURE and THRIVE, and then stringsearch the phrase.

On occasion, searchers using the PSTG option to perform an offsearch use stringsearch because the online postings are low. However, this may not be the case with the other files specified. There is less risk of a purge if the searcher will either 1) search directly online, even though there are many TIME OVERFLOWS, or 2) search MEDLINE online by itself using stringsearching, then search the other files using direct searching in the NPS option during OFFSEARCH.

\*Editor's Note: Stored hedges will be deleted from the system at the end of 1978.

HISTLINE (HISTORY OF MEDICINE ONLINE)

Effective October 1, 1978 a new data base, HISTLINE, will be available to U.S. users of NLM's online system. HISTLINE will be available on the NLM computer only and not on the SUNY computer. Users may test HISTLINE during September at no charge for connect time (pages will be charged) but effective October 1, regular rates will be in effect.

HISTLINE contains citations to monographs, journal articles, symposia, congresses and similar composite publications from the National Library of Medicine's annual Bibliography of the History of Medicine. The scope includes the history of medicine and related sciences, professions, individuals, institutions, drugs and diseases of given chronological periods and geographical areas. Citations for the data base are collected and processed in the History of Medicine Division of the NLM. The sources of the literature are Index Medicus, Current Catalog, journals in the history of medicine and science, and recent publications in fields such as classics and general history.

HISTLINE currently includes approximately 37,000 citations. Abstracts are not included. The majority of items were published from 1970 thru 1977, but there are selected citations to literature back to 1964. The data base, updated monthly, is expected to increase by about 5,000 citations per year.

Citations on a given subject can be retrieved from HISTLINE by using controlled vocabulary words or text words. Most of the controlled vocabulary words are identical to those in NLM's Medical Subject Headings, although some additional terms are used. Text words are derived from the title field. Several other data elements including author, added entry, personal name as subject, collective biography, and journal title abbreviation are also searchable. Terms may be entered singly or combined by means of the Boolean operators AND, OR and AND NOT. Records may be printed online at the user's terminal, or offline and mailed to the user from NLM.

MLA AWARD OF CONTINUING EDUCATION UNITS (CEUs)  
FOR NLM ONLINE SERVICES TRAINING  
Laura Kassebaum, Online Training Coordinator, NLM

Users of the MEDLARS system who are also members of the Medical Library Association will be pleased to learn that the NLM training and updating program has been approved by the MLA Recertification Committee for automatic award of continuing education units (CEUs). Persons attending the Initial or Advanced Online Services Training classes will receive 3.5 CEUs, while auditors in either of those courses will be granted 2.0 CEUs. (Auditors are those trainees who participate in all aspects of the course with the exception of hands-on practice sessions.) This award applies to all persons who have participated in NLM classes since January, 1978.

Similarly, searchers who attend the annual NLM Online Services Update workshops, conducted throughout the country under Regional Medical Library sponsorship, will receive an automatic CEU award beginning with the 1979 Update sessions to be held September-December, 1978. The number of CEUs may vary from year to year, depending on the instructional content and anticipated length of time required to present the update material. This year, the award will be 0.4 CEUs.

The procedure for obtaining MLA CEUs is not yet in effect and, in fact, need not concern searchers until they are preparing to seek MLA recertification as Medical Librarians. This should not occur prior to 1980. At that time, persons who have attended any of the sessions mentioned above will supply MLA with the name of the course, the date(s) and location(s). This information will be validated against official attendance records supplied to MLA by the NLM. Any discrepancies or questions will be addressed through an MLA appeals procedure. It is suggested that searchers keep records of their attendance at NLM-sponsored courses and update workshops until such time as application for recertification is appropriate.

NEW SERIALS ANNOUNCEMENT - AUGUST 1978  
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the right of the title indicates that the title appears in Index Medicus. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement. 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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|--|---|
| <p>IM ACTA RADIOLOGICA: ONCOLOGY, RADIATION,<br/>PHYSICS, BIOLOGY<br/>24, JAN/FEB, 1978--<br/>SOCIETIES OF MEDICAL RADIOLOGY IN DENMARK,<br/>FINLAND, NORWAY AND SWEDEN<br/>CONTINUES ACTA RADIOLOGICA: THERAPY,<br/>PHYSICS, BIOLOGY. PUBLISHED BY THE<br/>SOCIETIES OF MEDICAL RADIOLOGY IN DENMARK,<br/>FINLAND, NORWAY, AND SWEDEN. ARTICLES IN<br/>ENGLISH; SUMMARIES IN ENGLISH, FRENCH, AND<br/>GERMAN.<br/>STOCKHOLM SWEDEN<br/>WI AC943DR</p> <p>ADVANCES IN EPILEPTOLOGY<br/>1977--<br/>SWETS AND ZEITLINGER B.V.<br/>AMSTERDAM NETHERLANDS<br/>IN PROCESS</p> <p>AKTUELLE PROBLEME DER OTORHINOLARYNGOLOGIE.<br/>PROBLEMES ACTUALS D OTORHINOLARYNGOLOGIE<br/>1, 1977--<br/>VERLAG HANS HUBER<br/>STUTT GART GERMANY, WEST<br/>WI AK995NO</p> | <p>APPLIED PSYCHOLOGICAL MEASUREMENT<br/>1, 1976--<br/>WEST PUBLISHING<br/>ST. PAUL UNITED STATES<br/>ADDRESS: WEST PUBLISHING CO., 50 WEST<br/>KELLOG BLVD., ST. PAUL, MN 55102<br/>ON ORDER</p> <p>ARCHIVES OF PODIATRIC MEDICINE AND FOOT<br/>SURGERY. SUPPLEMENT<br/>1, 1978--<br/>FUTURA PUB. CO<br/>NEW YORK UNITED STATES<br/>WI AR477MA</p> <p>ASSISTENZA SANITARIA<br/>28, 1978--<br/>TECNINDUSTRIA<br/>CONTINUES ASSISTENZA OSPEDALIERA<br/>ROME ITALY<br/>IN PROCESS</p> <p>AURICULAR - MEDICINE AND ACUPUNCTURE<br/>PHYSICIAN<br/>1, 1975--<br/>GERMAN ACADEMY OF AURICULAR MEDICINE<br/>KALAMAZOO UNITED STATES<br/>IN PROCESS</p> |
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UNIVERSITY, 4700 KEELE STREET, DOWNSVIEW,  
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I

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1. Eye Neoplasms - diagnosis - congresses 2. Eye  
Neoplasms - therapy - congresses 3. Melanoma -  
diagnosis - congresses 4. Melanoma - therapy -  
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ISBN 0-8385-4302-2 LC: 77-24269  
04NLM: WW 149 I61 1976  
IM Cit. No. 7704634 (rev. CIP.)

K

*The Kidney in liver disease* / edited by Murray Epstein.  
-- New York : Elsevier, c1978. xv, 374 p. : ill. Based  
on papers presented at an international conference on  
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Cirrhosis - complications - congresses 3. Liver  
Diseases - complications - congresses I. Epstein,  
Murray, 1937- ed. II. Title: International  
conference on the kidney in liver disease  
ISBN 0-444-00240-5 LC: 77-14929  
04NLM: WI 700 K46 1976  
IM Cit. No. 7707119 (rev. CIP.)

PHONES LIST

UNLESS OTHERWISE NOTED, THE SPEED OF THE NUMBERS IS 10-30 CHARACTERS PER SECOND (CPS).

\* = DIRECT DIAL NUMBER  
 TYPE: FOR 120 CPS LINE USE  
 V3405 = VADIC 3405 MODEMS  
 B202 = BELL 202C OR 202S DATA SETS  
 B212A = BELL 212A DATA SETS  
 TYPE: FOR IBM 2741 TERMINAL USAGE VIA TYMNET FOR NLM:  
 B = BOTH CORRESPONDENCE AND EBCDIC CODES SUPPORTED (USER MUST TYPE A P FOLLOWED BY A CARRIAGE RETURN AND THE NODE WILL THEN DETERMINE THE "CODE" TO BE USED)  
 THE NETWORKS DO NOT SUPPORT BCD CODED 2741'S. PHONE NUMBERS ARE SUBJECT TO CHANGE OR DELETION WITHOUT PRIOR NOTICE.

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
AK	ANCHORAGE	907/276-4401	B				
AL	BESSEMER				205/251-2494		
AL	BIRMINGHAM	205/942/4141	B		205/251-2494		
AR	LITTLE ROCK	501/372-5780	FX B				
AZ	GLENDALE				602/257-1552		
AZ	MESA				602/257/1552		
AZ	PHOENIX	602/249-9261	B		602/257-1552		
AZ	PHOENIX	602/249-3881	212A	120			
AZ	SCOTTSDALE				602/257-1552		
AZ	TEMPE				602/257-1552		
AZ	TUCSON				602/791-7541		
CA	ALHAMBRA	213/572-0999	FX B		213/956-8235		
CA	ANAHEIM				714/558-6061		
CA	BURLINGAME				415/595-0360		
CA	CANOGA PARK				213/549-5150		
CA	COLTON	714/825-9372	B		714/824-1710		
CA	CUPERTINO	408/446-7309	B212A	120			
CA	CUPERTINO	408/446-7001	V3405	120			
CA	CUPERTINO	408/446-1470	B		408/279-8450		
CA	CUPERTINO	408/984-5500	B				
CA	EL MONTE				213/956-8235		
CA	EL SEGUNDO	213/640-1570	B		213/822-9287		
CA	EL SEGUNDO	213/640-1281	B212A	120			
CA	FRESNO	209/445-0911	FX B				
CA	FULLERTON				714/558-6061		
CA	GLENDALE				213/956-8235		
CA	HAYWARD	415/785-6520	B				
CA	HOLLYWOOD				213/624-5230		
CA	HOLLYWOOD				213/937-3580		
CA	HUNTINGTON BEACH				714/558-6061		
CA	LONG BEACH				213/549-5150		

NLM TECHNICAL BULLETIN - SEP 78

CA LOS ANGELES	213/683-0451	B		213/624-5230		
CA LOS ANGELES	213/687-8083	V3405	120	213/624-1521	V3405	120
CA LOS ANGELES	213/626-0365	B212A	120	213/624-0901	B212A	120
CA LOS ANGELES	213/629-1561	B		213/937-3580		
CA MARINA DEL REY				213/822-9287		
CA MOUNTAIN VIEW	415/961-7970	B		408/279-8450		
CA MOUNTAIN VIEW	415/941-8450	B				
CA NEWPORT BEACH	714/540-9560	B		714/558-6061		
CA OAKLAND	415/465-7000	B		415/362-6200		
CA OXNARD	805/487-0482	B		805/487-5512		
CA PALO ALTO	415/326-7015	B		415/595-0360		
CA PASADENA				213/956-8235		
CA REDWOOD CITY				415/595-0360		
CA RIVERSIDE	714/825-9372	B		714/824-1710		
CA SACRAMENTO	916/441-6550	B		916/443-7921		
CA SAN BERNADINO				714/824-1710		
CA SAN CARLOS				415/595-0360		
CA SAN CLEMENTE	714/498-3130	FX B				
CA SAN DIEGO	714/299-9260	B212A	120			
CA SAN DIEGO	714/291-8700	B		714/231-1922		
CA SAN FRANCISCO	415/421-7121	V3405	120	415/956-5777	V3405	120
CA SAN FRANCISCO	415/982-3770	B212A	120	415/956-5787	B212A	120
CA SAN FRANCISCO	415/391-9325	B		415/362-6200		
CA SAN JOSE	408/446-7001	V3405	120			
CA SAN JOSE	408/446-7309	B212A	120			
CA SAN JOSE	408/257-0593	B		408/279-8450		
CA SAN JOSE	408/446-1470	B				
CA SAN MATEO				415/595-0360		
CA SANTA ANA				714/558-6061		
CA SANTA BARBARA	805/966-3184	FX B				
CA SANTA CLARA				408/279-8450		
CA SANTA MONICA				213/822-9287		
CA SANTA ROSA	707/526-4260	B				
CA SUNNYVALE				408/279-8450		
CA TORRANCE				213/822-9287		
CA VAN NUYS	213/986-9503	FX B				
CA VENTURA	805/487-0482	B		805/487-5512		
CO ARVADA				303/623-0876		
CO AURORA				303/623-0876		
CO BOULDER				303/623-0876		
CO COLO. SPRINGS	303/471-9815	FX B				
CO DENVER	303/573-9981	B		303/623-0876		
CO DENVER	303/572-1107	V3405	120			
CO DENVER	303/825-0635	B212A	120			
CO LAKEWOOD				303/623-0876		
CT BLOOMFIELD				203/522-0344		
CT BRANFORD				203/789-0211		
CT BRIDGEPORT	203/579-7820	FX B				
CT CHESIRE				203/789-0211		
CT DANBURY	203/792-3060	FX B				
CT DARIEN	203/655-8931	B		203/357-1800		
CT DARIEN	203/655-7951	212A	120			
CT FARMINGTON				203/522-0344		

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CT GLASTONBURY				203/522-0344		
CT GREENWICH				203/357-1800		
CT HARTFORD	203/568-2610	B		203/522-0344		
CT HARTFORD	203/569-3643	212A	120			
CT MILFORD				203/789-0211		
CT NEW CANAAN				203/357-1800		
CT NEW HAVEN	203/789-0579	B		203/789-0211		
CT NEWINGTON				203/522-0344		
CT ROCKY HILL				203/522-0344		
CT SOUTH WINDSON				203/522-0344		
CT STAMFORD				203/357-1800		
CT WALLINGFORD				203/789-0211		
CT WATERBURY	203/757-2537	FX B				
CT WEST HARTFORD				203/522-0344		
CT WETHERSFIELD				203/522-0344		
DC WASHINGTON	703/524-9215	B212A	120	202/347-3061	212A	120
DC WASHINGTON	703/841-9330	V3405	120	202/347-6093	V3405	120
DC WASHINGTON	703/841-0200	B		202/347-1400		
DC WASHINGTON	703/841-9560	B				
DC WASHINGTON*	301/656-2715		30			
DC WASHINGTON*	301/657-1896		30			
DC WASHINGTON*	301/496-1994	FTS	15/30			
DC WASHINGTON*	301/496-1736	FTS	15/30			
DC WASHINGTON*	301/496-1006		10			
DC WASHINGTON*	301/654-2540		15			
DC WASHINGTON*	301/496-6395	B202	120			
DC WASHINGTON*	301/652-4466	B212A	120			
DC WASHINGTON*	301/656-4773	V3405	120			
DE WILMINGTON	302/658-5261	FX B				
FL CLEARWATER				813/224-9920		
FL FT LAUDERDALE	305/467-7550	FX B		305/462-3620		
FL HOLLYWOOD				305/462-3620		
FL JACKSONVILLE	904/721-8100	B		904/356-0790		
FL MIAMI	305/374-7120	B		305/374-6400		
FL MIAMI	305/358-7271	B212A	120			
FL ORLANDO	305/841-6850	B		305/834-3016		
FL PENSACOLA	904/434-0134	FX B				
FL POMPANO BEACH				305/462-3620		
FL ST PETERSBURG	813/536-7823	B		813/823-3223		
FL TAMPA	813/229-0981	FX B		813/224-9920		
FL W PALM BEACH	305/622-2871	FX B				
FL WINTER PARK				305/834-3016		
GA ATLANTA	404/659-6670	B		404/577-8911		
GA ATLANTA	404/581-0619	B212A	120			
GA MARIETTA				404/577-8911		
GA SAVANNAH	912/352-7259	FX B				
HI HONOLULU	808/521-7481	B		808/524-8110		
HI HONOLULU				808/524-8221	B212A	120
HI KAILUA-LANAKAI				808/524-8110		
HI KANEOHE				808/524-8110		
HI MAKAHA				808/524-8110		
HI PEARL CITY				808/524-8110		
HI SCHOFIELD BARRACKS				808/524-8110		

NLM TECHNICAL BULLETIN - SEP 78

HI WAIANAЕ				808/524-8110		
HI WAIPIO				808/524-8110		
IA CEDAR RAPIDS	319/364-3371	FX	B			
IA COUNCIL BLUFFS				402/330-1900		
IA DES MOINES	515/280-9600		B			
IA IOWA CITY	319/351-4046	FX	B			
ID BOISE	208/343-4851		B			
IL ARLINGTON HTS				312/372-4901		
IL CHICAGO	312/346-0201		B212A	120		
IL CHICAGO	312/372-0391		V3405	120	312/726-1957	V3405 120
IL CHICAGO	312/346-4961		B		312/372-4901	
IL CHICAGO	312/368-4607		B			
IL CICERO				312/372-4901		
IL E. ST. LOUIS				314/231-8800		
IL FREEPORT	815/232-2186		B			10
IL FREEPORT	815/232-2181		B			30
IL GLENVIEW				312/372-4901		
IL GRANITE CITY				312/372-4901		
IL HIGHLAND PARK				312/372-4901		
IL NORTHBROOK				312/372-4901		
IL OAK PARK				312/372-4901		
IL PALATINE				312/372-4901		
IL PARK RIDGE				312/372-4901		
IL ROCKFORD	815/398-6090		B			
IL SKOKIE				312/372-4901		
IL WILMETTE				312/372-4901		
IN FT WAYNE	219/424-5162	FX	B			
IN GREENWOOD				317/635-9630		
IN INDIANAPOLIS	317/926-1253		B212A	120		
IN INDIANAPOLIS	317/257-3461		B		317/635-9630	
IN MARION	317/662-0091	FX	B			
IN SOUTH BEND	219/259-9941	FX	B			
KS KANSAS CITY				816/474-1600		
KS TOPEKA	913/233-1612	FX	B			
KS WICHITA	316/265-1241		B			
KY LEXINGTON	606/253-3463		B			
KY LOUISVILLE	502/361-3881		B		502/459-7010	
KY LOUISVILLE	502/367-6457		B212A	120		
KY OKOLONA				502/459-7010		
KY SHIVELY				502/459-7010		
KY ST. MATTHEWS				502/459-7010		
LA BATON ROUGE	504/927-6400		B			
LA KENNER				504/568-1840		
LA LAFAYETTE	318/235-5202	FX	B			
LA NEW ORLEANS	504/586-1071		B		504/568-1840	
LA NEW ORLEANS	504/524-4371		B212A	120		
MA ARLINGTON				617/338-1400		
MA BILLERIA				413/781-1930		
MA BOSTON	617/482-1854		V3405	120	617/338-7495	V3405 120
MA BOSTON	617/482-4677		B			
MA BOSTON	617/482-5622		B		617/338-1400	
MA BRAINTREE				617/338-1400		
MA BROOKLINE				617/338-1400		

MA CAMBRIDGE				617/338-1400
MA CHICOPEE				413/781-1930
MA DEDHAM				617/338-1400
MA EVERETT				617/338-1400
MA HOLYOKE				413/781-1930
MA LEXINGTON				617/338-1400
MA MEDFORD				617/338-1400
MA MILTON				617/338-1400
MA NEEDHAM				617/338-1400
MA NEWTON				617/338-1400
MA QUINCY				617/338-1400
MA RANDOLPH				617/338-1400
MA REVERE				617/338-1400
MA SOMERVILLE				617/338-1400
MA SPRINGFIELD				413/781-1930
MA WALTHAM				617/338-1400
MA WATERTOWN				617/338-1400
MA WELLESLEY				617/338-1400
MA WESTFIELD				413/781-1930
MA WEYMOUTH				617/338-1400
MA WOBURN				617/338-1400
MD ANNAPOLIS				301/962-5010
MD BALTIMORE	301/547-8100	B		301/962-5010
MD BETHESDA				202/347-1400
MD CATONSVILLE				301/962-5010
MD COLLEGE PARK				202/347-1400
MD DUNDALK				301/962-5010
MD ESSEX				301/962-5010
MD FT. MEADE				301/962-5010
MD GLEN BURNIE				301/962-5010
MD HYATTSVILLE				202/347-1400
MD OXON HILL				301/962-5010
MD PARKVILLE				301/962-5010
MD PIKESVILLE				301/962-5010
MD RANDALLSTOWN				301/962-5010
MD ROCKVILLE				202/347-1400
MD SILVER SPRING				202/347-1400
MD TAKOMA PARK				202/347-1400
MD TOWSON				301/962-5010
MI ALLEN PARK				313/961-5115
MI ANN ARBOR	313/995-6250	B		313/668-4630
MI DEARBORN				313/961-5115
MI DEARBORN HEIGHTS				313/961-5115
MI DETROIT	313/963-3388	B		313/961-5115
MI DETROIT	313/963-2353	V3405	120	
MI GRAND RAPIDS	616/459-5069	FX B		
MI GROSSE POINTE				313/961-5115
MI HAMTRAMCK				313/961-5115
MI HIGHLAND PARK				313/961-5115
MI JACKSON	517/784-8522	B		
MI KALAMAZOO	616/385-3150	B		
MI LINCOLN PARK				313/961-5115
MI SOUTHFIELD	313/355-2950	B		

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MI ST JOSEPH	616/429-2568	FX	B		
MI YPSILANTI					313/668-4630
MN BLOOMINGTON					612/339-0150
MN BROOKLYN CENTER					612/339-0150
MN BROOKLYN PARK					612/339-0150
MN COON RAPIDS					612/339-0150
MN CRISTAL					612/339-0150
MN EDINA					612/339-0150
MN FRIDLEY					612/339-0150
MN MINNEAPOLIS	612/854-6659		B		612/339-0150
MN MINNEAPOLIS	612/854-2910		B212A	120	
MN MINNETONKA					612/339-0150
MN ST. PAUL					612/339-0150
MO FERGUSON					314/231-8800
MO FLORISSANT					314/231-8800
MO GLADSTONE					816/474-1600
MO INDEPENDENCE					816/474-1600
MO KANSAS CITY	816/753-8900		B		816/474-1600
MO KIRKWOOD					314/231-8800
MO OVERLAND					314/231-8800
MO RAYTOWN					816/474-1600
MO ST LOUIS	314/421-5110		B		314/231-8800
MO ST LOUIS	314/621-4660		B212A	120	
MO WEBSTER GROVES					314/231-8800
NE OMAHA	402/392-2970		B		402/330-1900
NC CHARLOTTE	704/376-0320	FX	B		704/374-0371
NC DAVIDSON					919/549-8291
NC DURHAM					919/549-8291
NC RALEIGH/DURHAM	919/549-0441		B		919/549-8291
NC RES. TRI. PARK					919/549-8291
NC WINSTON-SALEM					919/761-1957
NH NASHUA	603/889-8618	FX	B		
NJ BAYONNE					201/623-6818
NJ BELLEVILLE					201/623-6818
NJ BLOOMFIELD					201/623-6818
NJ CRANFORD					201/623-6818
NJ ELIZABETH					201/623-6818
NJ ENGLEWOOD					201/623-6818
NJ ENGLEWOOD CLFS	201/894-8250		B		
NJ FAIRLAWN					201/623-6818
NJ HACKENSACK					201/623-6818
NJ JERSEY CITY					201/623-6818
NJ KEARNY					201/623-6818
NJ LINDEN					201/623-6818
NJ LIVINGSTON					201/623-6818
NJ LYNHURST	201/460-0100		B		
NJ LYNHURST	201/460-0180		B212A	120	
NJ MERCERVILLE					609/392-8801
NJ MILLBURN					201/623-6818
NJ MOORESTOWN	609/235-3761	FX	B		
NJ MORRISTOWN					201/623-6818
NJ NEWARK					201/623-6818
NJ NUTLEY					201/623-6818



NJ ORANGE				201/623-6818		
NJ PASSAIC				201/742-0858		
NJ PATERSON				201/742-0858		
NJ PERTH AMBOY				201/623-6818		
NJ PISCATAWAY	201/981-0370	B				
NJ PLAINFIELD				201/623-6818		
NJ PRINCETON	609/921-0650	FX B				
NJ RAHWAY				201/623-6818		
NJ RIDGEWOOD				201/623-6818		
NJ ROSELLE				201/623-6818		
NJ RUTHERFORD				201/623-6818		
NJ SUMMIT				201/623-6818		
NJ TEANECK				201/623-6818		
NJ TRENTON				609/392-8801		
NJ UNION CITY				201/623-6818		
NJ WAYNE	201/785-4480	E				
NV CARSON CITY	702/882-7810	B				
NV LAS VEGAS	702/386-1899	FX B				
NV RENO	702/882-7810	B				
NY ALBANY	518/463-3111	FX B		518/445-9111		
NY BUFFALO	716/856-1400	E		716/847-0600		
NY CORNING	607/962-5071	B				
NY FREEPORT				516/292-0320		
NY GLEN COVE				516/292-0320		
NY HEMPSTEAD				516/292-0320		
NY HUNTINGTON, LI	516/673-5780	FX B				
NY LEVITTOWN				516/292-0320		
NY LYNBROOK				516/292-0320		
NY NEW YORK	212/689-8910	V3405	120	212/736-1800	V3405	120
NY NEW YORK	212/344-7445	B		212/736-7205		
NY NEW YORK	212/350-9100	B		212/736-0099		
NY NEW YORK	212/551-9322	B		212/454-3430		
NY NIAGARA FALLS	716/285-9354	FX B				
NY ROCHESTER	716/546-1410	B		716/454-3430		
NY SCHENECTADY				518/445-9111		
NY SYRACUSE	315/437-7111	B		315/472-5503		
NY TONAWANDA				716/847-0600		
NY TROY				518/445-9111		
NY WESTBURY				516/292-0320		
NY WEST SENECA				716/847-0600		
NY WHITE PLAINS	914/694-9361	B		914/682-8777		
OH AKRON	216/535-1861	B		216/762-9791		
OH BERA				216/241-0940		
OH CINCINNATI	513/242-7040	B		513/621-7017		
OH CLEVELAND	216/781-7050	B		216/241-0940		
OH COLUMBUS	614/421-7270	B		614/463-1400		
OH CUYAHOGA FALLS				216/762-9791		
OH DAYTON	513/223-3847	B		513/461-1570		
OH EUCLID				216/241-0940		
OH GARFIELD HGHTS.				216/241-0940		
OH HAMILTON				513/621-7017		
OH KENT				216/762-9791		
OH LAKEWOOD				216/241-0940		
OH MAPLE HEIGHTS				216/241-0940		

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OH MAUMEE				419/243-8871
OH MAYFIELD HEIGHTS				216/241-0940
OH NORTH OLMSTEAD				216/241-0940
OH PARMA				216/241-0940
OH SOUTH EUCLID				216/241-0940
OH TOLEDO	419/243-3144	FX	B	419/243-8871
OH WILLOWICK				216/241-0940
OH XENIA				513/461-1570
OH YOUNGSTOWN				216/743-2294
OK BETHANY				405/232-4501
OK DEL CITY				405/232-4501
OK MIDWEST CITY				405/232-4501
OK NORMAN				405/232-4501
OK OKLAHOMA CITY	405/947-0561		B	405/232-4501
OK SAPULPA				918/599-7131
OK TULSA	918/663-2220		B	918/599-7131
OR BEAVERTON				503/243-2800
OR HILLSBORO				503/243-2800
OR LAKE OSWEGO				503/243-2800
OR MILWAUKEE				503/243-2800
OR PORTLAND	503/231-4050		B	503/243-2800
OR PORTLAND	503/231-4077	B212A	120	
PA ALLENTOWN	215/433-6131	FX	B	
PA CARNEGIE				412/288-9950
PA CHELTENHAM				215/574-0620
PA ERIE	814/459-1600		B	
PA HARRISBURG	717/236-1190	FX	B	
PA MCKEESPORT				412/288-9950
PA MCKEESPORT				412/288-9950
PA PHILADELPHIA	215/561-6120		B	215/574-0620
PA PHILADELPHIA	215/567-1381	B212A	120	
PA PITTSBURGH	412/765-1320		B	412/288-9950
PA PITTSBURGH	412/261-4151	B212A	120	
PA UPPER DARBY				215/574-0620
PA VALLEY FORGE	215/666-9190		B	
PA YORK	717/846-4802	FX	B	
RI COVENTRY				401/274-1125
RI PROVIDENCE	401/274-5783	FX	B	401/274-1125
RI WARWICK				401/274-1125
SC COLUMBIA	803/252-0840	FX	B	
SC GREENVILLE	803/271-2418	FX	B	
TN KNOXVILLE	615/637-3118	FX	B	
TN MEMPHIS	901/345-1111		B	901/525-2563
TN MILLINGTON				901/525-2563
TN NASHVILLE	615/244-5784	FX	B	615/244-8310
TN NASHVILLE	615/244-8771		B	615/244-9020
TX AUSTIN	512/444-3280		B	512/926-2160
TX BAYTOWN	713/427-1123	FX	B	
TX BEAUMONT	713/832-2589	FX	B	
TX DALLAS	214/638-5800		B	214/748-0127
TX DALLAS	214/688-1117	B212A	120	214/748-6371 V3405 120
TX EL PASO	915/544-9590		C	
TX FARMER'S BRANCH				214/748-0127

TX FORT WORTH	214/263-2341	FX B		817/336-7791
TX GARLAND				214/748-0127
TX GRAND PRAIRIE				214/748-0127
TX HOUSTON	713/785-4411	B		713/224-3380
TX HOUSTON	713/780-7390	B		
TX HOUSTON	713/785-4420	B		
TX HOUSTON	713/780-7496	V3405	120	
TX HOUSTON	713/977-7671	B212A	120	
TX IRVING				817/336-7791
TX LACKLAND				512/224-1631
TX LONGVIEW	214/758-0801	FX B		
TX LUBBOCK	806/762-0136	FX B		
TX MESQUITE				214/748-0127
TX MIDLAND	915/683-5645	B		
TX ODESSA	915/563-0273	FX B		
TX PLANO				214/748-0127
TX RICHARDSON				214/748-0127
TX SAN ANTONIO	512/734-7381	B		512/224-1631
UT BOUNTIFUL				801/364-2644
UT HOLLADAY				801/364-2644
UT MURRAY				801/364-2644
UT SALT LAKE CITY	801/582-8972	B		801/364-2644
VA CHESAPEAKE				804/625-8291
VA NORFOLK	804/622-0435	FX B		804/625-8291
VA PORTSMOUTH				804/625-8291
VA RICHMOND	804/649-3050	FX B		804/358-1941
VA VIRGINIA BEACH				804/625-8291
WA BELLEVUE				206/624-9780
WA EDMONDS				206/624-9780
WA KENT				206/624-9780
WA SEATTLE	206/622-7672	B212A	120	
WA SEATTLE	206/622-7930	B		206/624-9780
WI MADISON	608/221-4211	B		608/251-5904
WI MENOMENEE FALLS				414/271-2560
WI MILWAUKEE	414/257-3482	B		414/271-2560
WI OSHKOSH	414/235-4594	FX B		
WI WAUKESHA				414/271-2560
WV CHARLESTON	304/345-2908	FX B		

\*\*\*\*FOREIGN\*\*\*\*

BE BRUSSELS	640-0215	E	
CA CUPERTINO	408/257-0593	FOREIGN ACCESS ONLY	
FR PARIS	603-5500	C	
FR PARIS	260-3635	E	
FR PARIS	TELEX 27308		
GB LONDON	01568-4455	C	
HO THE HAGUE	46-97-61	C	
MX MEXICO CITY	905/534-1363		
MX MEXICO CITY	905/534-1494		
MX MEXICO CITY	905/524-7906		
MX MEXICO CITY	905/534-1413		
MX MEXICO CITY	905/534-1409		
MX MEXICO CITY	905/534-1454		
SW LAUSANNE	21-25-4357		10
SW LAUSANNE	21-25-6634		30

## ENTRY DATE RANGES FOR YEARLY SEGMENTS OF MEDLINE AND ALL BACKFILES

BACK66	1966 - 651113 through 661101
	1967 - 661123 through 671119
	1968 - 671212 through 681111
BACK69	1969 - 681117 through 691119
	1970 - 691126 through 701112
	1971 - 701117 through 711117
BACK72	1972 - 711130 through 721030
	1973 - 721108 through 731116
	1974 - 731130 through 741119
BACK75	1975 - 741205 through 751108
MEDLINE	1976 - 751120 through 761103
	1977 - 761104 through 771031
	1978 - 771101 through 7810?



# THE NLM TECHNICAL BULLETIN

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OCTOBER 1978

NO. 114

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

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FILES

DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	6,393	THROUGH 1978	27 OCT 78	
BACK66	545,463	JAN 66-DEC 68	19 DEC 77	
BACK69	649,346	JAN 69-DEC 71	19 DEC 77	
BACK72	671,116	JAN 72-DEC 74	19 DEC 77	
+BACK75	385,601	JAN 75-DEC 75	19 DEC 77	
*BIOETHICS	6,195	JAN 73-DEC 77	30 OCT 78	7810(EM)
*CANCERLIT	142,684	JAN 63-SEP 78	31 OCT 78	7810(ED)
*CANCERPROJ	20,617	1976-1978	30 SEP 78	7809(ED)
*CATLINE	180,676	1965-1978	26 OCT 78	
CHEMLINE	248,877		01 JUN 78	
*CLINPROT	1,168		30 SEP 78	7809(ED)
*EPILEPSY	23,775	1945-PRESENT	18 SEP 78	
*HEALTH	95,758	JAN 75-NOV 78	01 NOV 78	
*HISTLINE	33,362		15 AUG 78	
MEDLINE	609,608	JAN 76-NOV 78	09 OCT 78	7811(IM)
MESH VOC	14,699	1978	19 DEC 77	
*NAME AUTH	99,994	1978	30 OCT 78	
*RTECS	31,636	1977	11 SEP 78	
SDILINE	23,071	NOV 78	09 OCT 78	
*SERLINE	31,221	1978	30 OCT 78	
*TDB	2,482		30 OCT 78	
*TOXLINE	511,226		30 OCT 78	7810(ST)
CBAC	265,883	1974-VOL 28, 7-8		
TOXBIB	103,674	1974-NOV 78		
IPA	29,544	1974-AUG 78		
HEEP	65,857	1974-DEC 78		
PESTAB	14,575	1974-NOV 78		
EMIC	19,093	1960-1977		
ETIC	11,600	1950-JUL 78		
*TOXBACK	379,299		06 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

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TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference to the section of the NLM Online Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual.

OFFSEARCH CHARGES (Manual 1.6) - The \$1.00 per offsearch charge has been discontinued until further notice for U.S. users.

NUMBER OF OFFLINE PRINTS AND OFFSEARCHES - Offline prints and offsearch prints, while being similar, contain some differences.

Offline prints, distinguishable by a taskname starting with a P (in the upper right hand corner of the face sheets) have the citations continuously numbered, even if the output is from more than one search statement. However, the references retrieved by different search statements are separated by a clear gap and the message END OF SEARCH STATEMENT.

If a search produced ten relevant references in search statement 2, and five in search statement 8, the command:

PRINT OFFLINE SS 2, SS 8 FULL

will cause a total of fifteen references to be printed offline in the full format. The citations will be numbered from 1 to 15, with references 1-10 being from search statement 2, and numbers 11-15 from search statement 8, separated by the END OF SEARCH STATEMENT message.

If the same search was performed as an OFFSEARCH, which has a taskname starting with an S, the output would not be identical. Search statements from which output was desired would be specified by answering the SSNOS-OVRIDES? question appropriately, in this example as 2, 8. The printout that results would include the first 10 references, numbered 1-10 (from SS 2) and the remaining 5, numbered 1-5 (from SS 8).

Based on Technical note from BLAISE NEWSLETTER, No. 11, June 1978. (Note: BLAISE is the U.K. MEDLARS system.)

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1979 TOOLS - The following 1979 publications are expected to be available at NTIS during November:

<u>Accession Number</u>	<u>Title</u>	<u>Prices</u>
PB-285-356 (supercedes PB-270-894)	MEDICAL SUBJECT HEADINGS - ANNOTATED ALPHABETICAL LIST 1979	\$15.00 Domestic \$30.00 Foreign* \$ 3.00 Microfiche**
PB-285-357 (supercedes PB-270-945)	MEDICAL SUBJECT HEADINGS - TREE STRUCTURES 1979	\$10.50 Domestic \$21.00 Foreign* \$ 3.00 Microfiche**
PB-286-393 (supercedes PB-277-921)	PERMUTED MEDICAL SUBJECT HEADINGS 1979	\$ 9.00 Domestic \$18.00 Foreign* \$ 3.00 Microfiche**

\*The foreign prices quoted are effective only if the materials are ordered from NTIS, Springfield, Virginia. Orders from the United Kingdom, France, Belgium, Switzerland, Japan and the Netherlands must now be sent to the managing dealers listed in the National Library of Medicine News, NLM Publications, September 1978.

\*\*An additional \$2.50 per title for handling and mailing must be included by foreign countries ordering directly from NTIS.

SEARCH TERM PROBLEMS

- Following is a list of terms which cannot presently be searched with an \* or with any subheadings. They include print entry terms (searchable, "see" references printed in MeSH), non-print entry terms (searchable terms not printed in MeSH as "see" references), and entry versions (also called data form abbreviations). These terms are not searchable since the MeSH main headings to which they map are exactly 38 characters in length and the computer cannot perform the correct "mapping". This problem is expected to be corrected in the near future. This is true only for the following entry terms and versions; the "mapped to" heading is searchable with an asterisk and with subheadings.

\*AID  
ANTITHROMBIN VI  
BOWMAN-BIRK SOYBEAN TRYPSIN INHIBITOR  
BOWMAN TRYPSIN INHIB  
\*\*CARB METAB INBORN ERR  
CONSUMPTION COAGULOPATHY  
DIETHYLAMINOETHOXYHEXESTROL  
\*\*DISSEM INTRAVASC COAG  
\*\*FFDP  
FIBRIN FIBRINOGEN SPLIT PRODUCTS  
\*HEMAGGLUTINATION, INTRAVASCULAR  
\*\*HEX BIS ETHER



\*\*HGPRTASE  
 HYPONANTHINE-GUANINE PHOSPHORIBOSYLTRANSFERASE  
 IMMUNOELECTROPHORESIS, CROSSES  
 \*IMMUNOELECTROPHORESIS, TWO DIMENSIONAL  
 IMP PYROPHOSPHORYLASE  
 INSEMINATION, ARTIFICIAL, HUMAN DONOR  
 INTRAVASCULAR AGGLUTINATION  
 KIDNEY TUBULAR TRANSPORT, INBORN ERRORS  
 OSLER-RENDU DISEASE  
 PG ENDOPEROXIDE ANALOGS  
 \*\*PG ENDOPEROXIDES SYN  
 PHOSPHORIBOSYLANTHRANILATE PYROPHOSPHORYLASE  
 PROSTAGLANDIN ENDOPEROXIDE ANALOGS  
 \*RENAL TUB TRANSP ERRORS  
 \*\*RENAL TUB TRANSP INBORN ERR  
 \*\*TRYPSIN INHIB BOWMAN  
 \*TRYPSIN INHIBITOR, BOWMAN BIRK SOYBEAN  
 UDP GALACTOSE PYROPHOSPHORYLASE

\*non-print entry terms  
 \*\*entry versions

PHONES

- The 30cps direct dial number 301/656-2715 has been changed to 301/656-2627.
- Following are TYMNET telecommunications phone number additions and changes:

New Numbers:

<u>City &amp; State</u>	<u>Number</u>	<u>Type</u>	<u>Speed</u>
Plymouth, MI	313/459-8900	B	30cps
Baton Rouge, LA	504/292-2650	B212A	120cps
Boston, MA	617/482-3386	B212A	120cps
New York, NY	212/532-9101	B212A	120cps
Jackson, MS	601/944-0860	FX B	30cps
Spokane, WA	509/448-9515	FX B	30cps
Memphis, TN	901/345-7710	B212A	120cps

Changes:

<u>City &amp; State</u>	<u>From</u>	<u>To</u>	<u>Type</u>	<u>Speed</u>
Southbend, IN	219/259-9941	219/259-5771	FX B	30cps
Freeport, IL	815/232-2186	815/233-5585	B	30cps
	815/232-2181			
Louisville, KY	502/367-6457	502/361-2645	B212A	120cps
Fort Worth, TX	214/263-2341	214/263-8271	FX B	30cps
Southfield, MI	313/355-2950	313/569-8350	B	30cps

- The Youngstown, Ohio TELENET number has been changed from 216/743-2294 to 216/743-2296.

STORED  
 SEARCHES &  
 RTECS

- Offsearches containing stored searches can not be processed against the RTECS file nor should stored searches be diagrammed while logged into the RTECS file. These problems will be corrected in the near future.

THE D CATEGORY IN THE 1979 MESH  
Ruth L. Stander  
Index Section and Medical Subject Headings Section, NLM

The additions and changes in the D category in the 1979 MeSH are the result of the joint efforts of Miss Sirja Hantsoo of the Medical Subject Headings Section and the author. There were 167 drugs and chemicals added to the system for 1979. Appendices I and II at the end of this article will detail the new descriptors by subcategory and list other changes made in the D category for 1979. Some of the new major descriptors, groups of headings or areas where considerable changes were made will be discussed in the body of the article.

In D2 and D22, a new group term for compounds employed in cancer chemotherapy is PHOSPHORAMIDE MUSTARDS. CYCLOPHOSPHAMIDE and IFOSFAMIDE are indented under this new term. In D2, also note the changes in the TRITERPENES tree. ENOXOLONE was replaced with GLYCYRRHETINIC ACID. In D2 and D4 a new major descriptor, SAPOGENINS, was introduced with the old term OLEANOLIC ACID indented under it.

In D3 SOLANUM ALKALOIDS was replaced with SOLANACEOUS ALKALOIDS which broadens its scope. The Solanaceae family includes the potato, tomato, black nightshade, sandbriar and others. SOLANUM ALKALOIDS which are found only in the Solanum genus are now an entry term to SOLANACEOUS ALKALOIDS. There are seven specific alkaloids indented under SOLANACEOUS ALKALOIDS. A new alkaloid term which should not be confused with the above is SALSOLINE ALKALOIDS. Also, in 1975-78, we had, in D3, the specific drug FICUSIN with the entry term PSORALEN (singular). In 1979, we have a new major descriptor PSORALENS (plural). They are furocoumarins primarily from plants of the genus Psoralea. Plants belonging to this genus are legumes generally found in South East Asia and China and are frequently used for medicinal purposes. Indented under this group term is FICUSIN still with the entry term PSORALEN (singular) and two other PSORALENS.

In D6 note the new term HYPOTHALAMIC HORMONES. There are no indentions under it since the literature cannot agree on which hormones originate in the pituitary gland and which in the hypothalamus. The THYROXINE tree in D6 and D12 was rearranged and expanded. Two other new terms, DIIODOTHYRONINES and REVERSE TRIIODOTHYRONINE, were added to this array.

In D8 a new enzyme inhibitor PROTEASE INHIBITORS was introduced. Seventeen (17) terms which were formerly scattered through the ENZYME INHIBITORS section are gathered under this term. BETA-LACTAMASES is a new major descriptor. Both CEPHALOSPORINASE and PENICILLINASE are BETA-LACTAMASES. Therefore PENICILLINASE was changed from a major to a minor descriptor and both will now appear in Index Medicus under BETA-LACTAMASES. SODIUM, POTASSIUM ADENOSINE TRIPHOSPHATASE and CALCIUM ADENOSINE TRIPHOSPHATASE are now part of the vocabulary. This will eliminate the need to index and search under both the enzyme and the element. Since OXIDASES and REDUCTASES are often used interchangeably (as a matter of fact they are both entry terms to OXIDOREDUCTASES) note that the two new enzymes SULFITE OXIDASES and SULFITE REDUCTASES are different enzymes.

In D9 we have two new polysaccharides--GLUCANS and GALACTANS. They are polysaccharides composed of glucose and galactose, respectively. This tree was completely rearranged with 21 terms indented under GLUCANS. These terms were formerly scattered in the POLYSACCHARIDES tree.

FAT EMULSIONS, INTRAVENOUS is a new major descriptor in D10. The most frequently used member of this group, INTRALIPID, is a new term indented under the group term. LIPOPOLYSACCHARIDES are now indented under POLYSACCHARIDES, BACTERIAL in D9 and D24. This will eliminate double indexing of this type of compound. Also in D10, the GLYCOLIPIDS and SPHINGOLIPIDS trees were completely rearranged and several new CEREBROSIDES and GLYCOSPHINGOLIPIDS added. It has been a common error to index a carbohydrate ceramide such as glucosylceramide under CERAMIDES. This is incorrect. Carbohydrate ceramides are either cerebrosides or glycosphingolipids.

In D12, the term AMINO ACIDS, BRANCHED-CHAIN is a new major descriptor, with the branched-chain amino acids collected under this umbrella. Another term which has enjoyed a lot of usage lately is PANCREATIC POLYPEPTIDE. There are two new calcium-binding proteins in our vocabulary. One is the CALCIUM-DEPENDENT REGULATOR with the entry term CALCIUM-DEPENDENT ACTIVATOR PROTEIN. The other is the CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, with the entry version CABP.

Note two new amyloid proteins, AMYLOID PROTEIN AA AND AMYLOID PROTEIN SAA. The latter is believed to be a circulating precursor of the former. There exists another amyloid protein which is not yet part of the vocabulary. It is called the amyloid P component or amyloid protein AP.

Other newcomers in D12 are LUMINESCENT PROTEINS with the entry term PHOTOPROTEINS as well as REPRESSOR PROTEINS with the entry terms LAC REPRESSORS and REPRESSOR MOLECULES. Indexers and searchers who deal with the field of genetics should read the scope note for this term carefully.

In D13 we have a new nucleoside and a new nucleotide in which the sugar moiety is arabinose rather than ribose or deoxyribose. They are ARABINONUCLEOSIDES and ARABINONUCLEOTIDES. Two new specific terms are indented under ARABINONUCLEOTIDES. Also note a new RNA term--RNA, HETEROGENEOUS NUCLEAR.

In D19 ANTITHROMBINS was retreed from under COAGULANTS to ANTICOAGULANTS. ANTITHROMBIN III which is indented under ANTITHROMBINS was formerly HEPARIN CO-FACTOR. The latter as well as ANTITHROMBIN II are entry terms to ANTITHROMBIN III.

In D6, D12 and D19 the VASOPRESSIN arrangement was reworked. VASOPRESSIN was made plural for 1979 and the names of ARGININE VASOPRESSIN, DEAMINO ARGININE VASOPRESSIN and LYSINE VASOPRESSIN were changed to AGRIPRESSIN, DESMOPRESSIN and LYPRESSIN, respectively. ORNIPRESSIN is a new vasopressin in the vocabulary.

In D15 BUTYROPHENONES was deleted from under TRANQUILIZING AGENTS, MAJOR and replaced by BUTYROPHENONE TRANQUILIZERS.

In D26 note changes made in the COLLOIDS tree.

Following are some of the new terms grouped by their pharmacologic actions:

Enzyme Inhibitors (D8)

BENZOFLAVONES  
DEPRENYL  
1-METHYL-3-ISOBUTYLXANTHINE  
PROTEASE INHIBITORS

Narcotics (D14)

BUPRENORPHINE  
BUTORPHANOL  
DIHYDROMORPHINE  
ETONITAZENE

Anti-Inflammatory Agents (D14, D26)

DESOXIMETASONE  
FLOCTAFENINE  
HALCINONIDE  
PARSALMIDE  
SULINDAC

Tranquilizing Agents (D15)

BUTYROPHENONE TRANQUILIZERS  
LOFEPRAMINE  
TEMAZEPAM

Cardiovascular Agents (D18)

ACETYLDIGOXINS  
NONACHLAZINE  
VINCAMINE  
MEDIGOXIN  
UROTENSINS

Antibiotics (D20)

BAMBERMYCINS  
NETILMICIN  
PRODIGIOZAN  
ROSAMICINS  
TUNICAMYCINS

Miscellaneous

ACETYLMURAMYL-ALANYL-ISOGLUTAMINE---DF: AMAIG; an immunologic adjuvant (D24)  
ARMIN---a cholinesterase inhibitor (D16)  
BUFROLIN---an antihistaminic (D16, D23)  
CARTICAINE---an anesthetic (D14)  
CLOPROSTENOL---a synthetic prostaglandin (D24)  
DIMERCAPTOSUCCINIC ACID---a chelating agent (D26)  
IMMUNOGLOBULIN CONSTANT REGION---part of an immunoglobulin (D24)  
MUSCIMOL---a GABA-mimetic agent and toxin (D16, D24)  
N-NITROSOPYRROLIDINE---a carcinogen (D26)

Antineoplastic Agents (D22)

DIANHYDROGALACTITOL  
MISONIDAZOLE (also used as a radiation sensitizing agent)  
PHOSPHORAMIDE MUSTARDS

Dyes, Stains and Indicators (D26)

ACRIDINE ORANGE  
EOSIN  
ERYTHROSINE  
PHLOXINE B  
PROPIDIUM  
PSEUDOISOCYANINE

Beta Adrenergic Blockaders (D16)

BUPRANOLOL  
CARTEOLOL  
PENBUTOLOL  
TRIMEPRANOL

Gastrointestinal Agents and Hormones (D6, D19)

ENTEROGLUCAGON  
TETRAGASTRIN

Anti-Infective Agents (D20)

PIPEMIDIC ACID  
PIROMIDIC ACID

Serotonin Inhibitors (D23)

FLUOXETINE  
LISURIDE

ORNIPRESSIN---a vasopressin (D19)  
 PHYTOHEMAGGLUTININS---lectins (D24)  
 POKEWEED MITOGENS---lectins (D24)  
 SODIUM NITRITE---a preservative (D26)  
 TOLPERISONE---a muscle relaxant (D17)  
 TROPICAMIDE---an ophthalmic parasympatholytic or mydriatic (D16)

Since complex changes were made to the LECTINS tree in D24 and the vocabulary pertaining to LECTINS was changed drastically, a tabulation of the changes in vocabulary may be helpful. Here are the 1978 and 1979 LECTINS lineup.

1978	1979
<u>PLANT AGGLUTININS (Major)</u>	<u>LECTINS (Major)</u>
X AGGLUTININS, PLANT	X AGGLUTININS, PLANT
X HEMAGGLUTININS	X HEMAGGLUTININS, PLANT
X LECTINS	X PHYTAGGLUTININS
X PHYTAGGLUTININS	X PHYTOMITOGENS
X PHYTOHEMAGGLUTININS	X PLANT AGGLUTININS
<u>PHYTOMITOGENS (Major)</u>	<u>PHYTOMITOGENS is entry term to LECTINS</u>
<u>PHYTOHEMAGGLUTININS entry term to PLANT AGGLUTININS</u>	<u>PHYTOHEMAGGLUTININS (Major)</u>

Note that the major descriptor PLANT AGGLUTININS was changed to LECTINS in 1979. PHYTOMITOGENS was deleted as a major descriptor and has become an entry term to LECTINS. PHYTOHEMAGGLUTININS, which was an entry term to PLANT AGGLUTININS became a major descriptor. This term only pertains to lectins from the kidney bean (*Phaseolus vulgaris*). A new specific lectin POKEWEED MITOGENS is indented under LECTINS. Recently, we have encountered lectins from animals in the literature. They will also be indexed with the term LECTINS.

#### APPENDIX I

Following is a list of new descriptors by subcategory. Descriptors are only listed once in the lowest numbered subcategory with other subcategories in which the term is also treed in parenthesis.

##### D1

CALCIUM GLUCONATE\* (D2, D9)  
 CALCIUM OXALATE (D2)  
 CYANAMIDE\*  
 OSMIUM TETROXIDE\*  
 POTASSIUM CYANIDE\*  
 SODIUM CYANIDE\*  
 SODIUM IODIDE\*  
 SODIUM NITRITE\* (D26)

##### D2

ACETIC ANHYDRIDES\*  
 AMINOPHENOLS  
 AMINOPYRIDINES (D3)  
 ARMIN\* (D8, D16)  
 ARSANILIC ACID\*  
 BUPRANOLOL\* (D16)  
 1-CARBOXYGLUTAMIC ACID\* (D12)  
 CARTEOLOL\* (D16)

\*Minor Descriptors

CHLOROPRENE\*  
 CLOPROSTENOL\* (D10, D24)  
 DEPRENYL\* (D8)  
 DIANHYDROGALACTITOL\* (D9, D22)  
 DIMERCAPTOSUCCINIC ACID\* (D26)  
 DF: DMSA  
 FLOCTAFENINE\* (D14)  
 FLUOXETIN\* (D23)  
 GUANYLTHIOUREA\*  
 INDOPROFEN\* (D14)  
 MISONIDAZOLE\* (D3, D22, D26)  
 N-NITROSPYRROLIDINE\* (D3, D26)  
 PARSALMIDE\* (D14, D26)  
 PENBUTOLOL\* (D16)  
 PHOSPHORAMIDE MUSTARDS\* (D22)  
 PHTHALIC ANHYDRIDES\*  
 SAPOGENINS (D4)  
 SUCCINIC ANHYDRIDES\*  
 TOLPERISONE\* (D17)  
 TRIMEPRANOL\* (D16)  
 VERNOLEPIN\*

D3

ACRIDINE ORANGE (D26)  
 BENZOFLAVONES\* (D8)  
 BUFROLIN\* (D16, D23)  
 BUPRENORPHINE\* (D14)  
 BUTORPHANOL\* (D14)  
 CARTICAINE\* (D14)  
 DIHYDROMORPHINE\* (D14)  
 ETONITAZENE\* (D14)  
 LERGOTRILE MESYLATE\* (D6)  
 LISURIDE\* (D23)  
 LOFEPRAMINE\* (D15)  
 1-METHYL-3-ISOBUTYLXANTHINE\* (D8)  
 MUSCIMOL\* (D16, D24)  
 NONACHLAZINE\* (D18)  
 PIPEMIDIC ACID\* (D20)  
 PIROMIDIC ACID\* (D20)  
 PROPIDIUM\* (D26)  
 PSEUDOISOCYANINE\* (D26)  
 PSORALENS  
 SALSOLINE ALKALOIDS\*  
 TEMAZEPAM\* (D15)  
 TIBRIC ACID\* (D10)  
 TROPICAMIDE\* (D16)  
 VINCAMINE\* (D18)

D4

ACETYLDIGOXINS\* (D9, D18)  
 ADOSTEROL\*  
 DESOXIMETASONE\* (D6, D26)

DIOSGENIN\*  
 HALCINONIDE\* (D26)  
 19-IODOCHOLESTEROL\*  
 MEDIGOXIN\* (D9, D18)  
 NORGESTOMET\* (D6)  
 PERYLENE\*  
 R 2323\* (D7)  
 R 5020\* (D6)  
 SULINDAC\* (D14, D26)  
 TRENBOLONE\* (D6)

D6

DIIODOTHYRONINES\* (D12)  
 ENTEROGLUCAGON\* (D12, D19)  
 HYPOTHALAMIC HORMONES  
 ORNIPRESSIN\* (D12, D18, D19)  
 PANCREATIC POLYPEPTIDE (D12)  
 TETRAGASTRIN\* (D12, D19)  
 TRIIODOTHYRONINE, REVERSE\* (D12)

D8

ACETATE KINASE\*  
 N-ACETYLMURAMOYL-L-ALANINE AMIDASE\*  
 ADENOSINE TRIPHOSPHATASE, CALCIUM  
 DF: CA ATPASE  
 ADENOSINE TRIPHOSPHATASE, SODIUM,  
 POTASSIUM DF: NA K ATPASE  
 ADENYLOSUCCINATE LYASE\*  
 ADENYLOSUCCINATE SYNTHETASE\*  
 ARGININE KINASE\*  
 BETA-LACTAMASES  
 COFORMYCIN\* (D13, D22)  
 DEOXYCYTIDINE KINASE\*  
 DIMETHYLLALLYLTRANSFERASE\*  
 DNA NUCLEOTIDYLEXOTRANSFERASE\*  
 ETHANOLAMINEPHOSPHOTRANSFERASE\*  
 FRUCTOKINASES\*  
 FUCOSYLTRANSFERASES\*  
 GALACTOKINASE  
 NADPH TRANSHYDROGENASE\*  
 NMN ADENYLYLTRANSFERASE\*  
 PHOSPHATIDATE PHOSPHATASE\*  
 PHOSPHOENOLPYRUVATE CARBOXYLASE\*  
 PHOSPHORYLASE A\*  
 PHOSPHORYLASE B\*  
 PROTEASE INHIBITORS  
 PYRIDOXAL KINASE\*  
 SULFATE ADENYLYLTRANSFERASE\*  
 SULFITE OXIDASES\*  
 SULFITE REDUCTASES\*  
 THIAMINE PYROPHOSPHOKINASE\*  
 THIAMINE TRIPHOSPHATASE\*

\*Minor Descriptors

DF: Data Form Abbreviation or Entry Version

D9

ACETYLMURAMYL-ALANYL-ISOGLUTAMINE\*  
 (D12, D24) DF: AMAIG  
 CELLOBIOSE\*  
 GALACTANS  
 GENTIOBIOSE\*  
 GLUCANS  
 GLUCOSINOLATES\*  
 ISOMALTOSE\*  
 MELIBIOSE\*  
 NETILMICIN\* (D20)  
 PRODIGIOZAN\* (D20)  
 TUNICAMYCIN\* (D20)

D10

FAT EMULSIONS, INTRAVENOUS (D26)  
 GALACTOSYLCERAMIDES\*  
 GLOBOSIDES\*  
 GLUCOSYLCERAMIDES\*  
 INTRALIPID\*  
 LACTOSYLCERAMIDES\*  
 TRIHEXOSYLCERAMIDES\*

D11

GROWTH INHIBITORS (D24)  
 DF: GROWTH INHIB  
 PTEROYL POLYGLUTAMIC ACIDS\*  
 THIAMINE MONOPHOSPHATE\*  
 THIAMINE TRIPHOSPHATE\*

D12

AMINO ACIDS, BRANCHED-CHAIN  
 3-AMINOPROPIONIC ACID\*  
 AMYLOID PROTEIN AA\*  
 AMYLOID PROTEIN SAA\*  
 CALCIUM-BINDING PROTEIN, VITAMIN D-  
 DEPENDENT\* DF: CABP  
 CALCIUM-DEPENDENT REGULATOR\*  
 HEMOGLOBIN A2\* DF: HBA2  
 IMMUNOGLOBULIN CONSTANT REGION\*  
 (D24, G6)  
 LUMINESCENT PROTEINS  
 LYSINOALANINE\*

METMYOGLOBIN\*  
 PHYTOHEMAGGLUTININS (D24)  
 POKEWEE MITOGENS (D24)  
 POLYGLUTAMIC ACID\*  
 REPRESSOR PROTEINS\*  
 UROTENSINS\* (D18, D24)

D13

ADENOSINE PHOSPHOSULFATE\*  
 ARABINOFURANOSYLADENINE MONOPHOSPHATE\*  
 (D20, D26) DF: ARA AMP  
 ARABINOFURANOSYLCYTOSINE TRIPHOSPHATE\*  
 DF: ARA CTP  
 ARABINONUCLEOSIDES  
 ARABINONUCLEOTIDES  
 DICHLORORIBOFURANOSYLBENZIMIDAZOLE\*  
 DF: DCRFB  
 RNA, HETEROGENEOUS NUCLEAR  
 DF: HNRNA

D15

BUTYROPHENONE TRANQUILIZERS

D20

BAMBERMYCINS\*  
 ROSAMICINS\*

D24

ANTIGENS, SURFACE  
 CATGUT\* (E7)  
 H-Y ANTIGEN

D25

DENTURE CLEANSERS\*  
 POLYGLACTIN 910\*  
 PROPOLIS\*

D26

EOSIN  
 ERYTHROSINE\*  
 HAIR DYES\* (J1)  
 PHLOXINE B\*

\*Minor Descriptors

DF: Data Form Abbreviation or Entry Version

APPENDIX II

1. Terms converted from NON MeSH to MeSH

CARDIOVASCULAR AGENTS  
 CENTRAL NERVOUS SYSTEM AGENTS---DF: CNS AGENTS  
 CENTRAL NERVOUS SYSTEM DEPRESSANTS---DF: CNS DEPRESS

2. Deleted Headings

The terms in the 1978 column were replaced by the terms in the 1979 column. Citations indexed with the 1978 term have been file maintained to the 1979 term. The 1979 terms in part (b) are not new to the vocabulary, the 1979 terms in part (a) are.

(a)	1978	1979
	AH 8165	FAZADINIUM
	ACETANILIDE	ACETANILIDES
	ARGININE VASOPRESSIN	AGRIPRESSIN
	AUROTHIOGLUCOSE	GOLD THIOGLUCOSE
	BIOLOGIC AVAILABILITY	BIOLOGICAL AVAILABILITY
	CANTHARIDES	CANTHARIDIN
	CATHEPSIN	CATHEPSINS
	CI 628	NITROMIFENE
	CITRACONIC ANHYDRIDE	CITRACONIC ANHYDRIDES
	COBALAMINS	COBALAMIN
	DEAMINO ARGININE VASOPRESSIN	DESMOPRESSIN
	DEXTRAN	DEXTRANS
	DIAMPHENETHIDE	DIAMFENETIDE
	DICHLOROMETHYL ETHER	BIS(CHLOROMETHYL) ETHER
	DIPROPYL ACETATE	VALPROATE
	DNA RESTRICTION ENZYME	DNA RESTRICTION ENZYMES
	ENOXOLONE	GLYCYRRHETINIC ACID
	GARDONA	TETRACHLORVINPHOS
	HEPARIN CO-FACTOR	ANTITHROMBIN III
	ICRF 159	RAZOXANE
	IMIDAN	PHOSMET
	LYSINE VASOPRESSIN	LYPRESSIN
	MALEIC ANHYDRIDE	MALEIC ANHYDRIDES
	MECLASTINE	CLEMASTINE
	MEGACIN	MEGACINS
	MUCIN	MUCINS
	OXYHEMOGLOBIN	OXYHEMOGLOBINS
	PEMOLINE COMPOUNDS	PEMOLINE
	PHELYPRESSIN	FELYPRESSIN
	PICOLINE	PICOLINES
	PLANT AGGLUTININS	LECTINS
	PROCAINE AMIDE	PROCAINAMIDE
	PROTHIADENE	DOTHIEPIN
	PYOCIN	PYOCINS



SERYLTRIHYDROXY BENZYLHYDRAZINE  
 SIALYLTRANSFERASE  
 SOLANUM ALKALOIDS  
 TETROQUINOL  
 THIAMINE TETRAHYDROFURFURYL  
 DISULFIDE  
 THIOPHANATE-METHYL  
 THYRONINE  
 TRITOLYL PHOSPHATE  
 VASOPRESSIN

BENSERAZIDE  
 SIALYLTRANSFERASES  
 SOLANACEOUS ALKALOIDS  
 TRETROQUINOL  
 FURSULTIAMIN  
 THIOPHANATE  
 THYRONINES  
 TRITOLYL PHOSPHATES  
 VASOPRESSINS

(b) 1978

ANHALONIUM+  
 CRINANS+  
 CYCLOPLEGICS  
 KERASIN+  
 LAETRILE  
 NUX VOMICA  
 PEYOTE  
 PHENYRAMIDOL  
 PHYTOMITOGENS  
 SARSASAPOGENIN+  
 TARPAN+  
 TIGOGENIN+  
 TUBERCULOSIS VACCINES  
 VITAMIN T+  
 WR 33063

1979

MESCALINE  
 ALKALOIDS  
 MYDRIATICS  
 CEREBROSIDES  
 AMYGDALIN  
 STRYCHNINE  
 MESCALINE  
 PHENETHYLAMINES  
 LECTINS  
 SAPOGENINS  
 DIBENZAZEPINES  
 SAPOGENINS  
 BCG VACCINES  
 VITAMINS  
 PHENANTHRENES

3. Two other changes of interest

PENICILLINASE, a major descriptor from 1963 through 1978 was changed to a minor descriptor and mapped to BETA-LACTAMASES.

LYMPHOCYTOTOXINS see LYMPHOTOXINS was deleted.

The term "lymphotoxin" is used several ways in our literature. If it concerns a toxin released by the lymphocytes, it will be correct to index under LYMPHOTOXINS. But if the article concerns antibody to lymphocytes, the correct heading will be ANTILYMPHOCYTE SERUM. This information was supplied by Mrs. Mary Hantzes of the Index Section and Miss Sirja Hantsoo of the MeSH Section.

+Terms which cannot be used as online search terms.

YEAR-END PROCESSING AT NLM  
Yvonne B. Scott  
MEDLARS MANAGEMENT SECTION, NLM

During November of every year, NLM's MEDLINE files undergo extensive changes. Each citation is file maintained to reflect the controlled vocabulary, Medical Subject Headings (MeSH), for the next year and MEDLINE is regenerated to transfer the oldest data to a backfile. This means that next month (November), with careful planning and precise scheduling, citations in MEDLINE and all of its backfiles will be changed to reflect the 1979 MeSH and citations comprising the 1976 data will be transferred from MEDLINE to BACK75. This file maintenance and regeneration will be complete by December 11th when the January 1979 data becomes available.

Annual MeSH changes fall into three basic categories: new terms, deleted terms and tree number changes. "New" and "deleted" are really misnomers since some new terms are not really new and few deleted terms are really deleted. Examples of new terms which are not really new are ACCIDENTS, OCCUPATIONAL; COMMUNITY HEALTH CENTERS; COXSACKIEVIRUSES; DEXTRANS and GENITAL DISEASES, FEMALE. These are really replacement terms for ACCIDENTS, INDUSTRIAL; NEIGHBORHOOD HEALTH CENTERS; COXSACKIE VIRUSES; DEXTRAN and GYNECOLOGIC DISEASES respectively. Examples of deleted terms which are really not deleted are: CLAUSTRUM, FINGERPRINTS and SORE THROAT. They have been retained in MeSH as entry terms to GANGLIA, BASAL; DERMATOGLYPHICS and PHARYNGITIS respectively. These terms can continue to be used as search terms but remember, they have been retained in MeSH only and are used as pointers to the terms replacing them. Citations containing these terms will be changed so only the terms replacing them appear. Tree number changes are exactly that -- tree number changes.

What does all of this mean to the online searcher? The greatest impact is on stored searches, especially those used in the Automatic SDI service. These searches must be reviewed and changed, if necessary, by December 8th for automatic processing against the January 1979 data. Each year, also in November, the capability to execute stored searches online is made available at the same time a file-maintained December SDI, reflecting the new MeSH, is made available. This enables a searcher to update a stored search and then run it against data which is representative of the new file to check retrieval. Since changing stored searches is, at best, time consuming, one only has to make changes if (1) the search contains a deleted term which has really been deleted - it should be removed; (2) the search contains an explosion which uses a tree number which is being changed - it must be changed (exploding on the English main heading, not the tree number when possible will eliminate some changes) or (3) a new term(s) is relevant to the search - it should be added.

Enclosed with this Bulletin are some of the 1979 MeSH changes. Only those changes of which a searcher must be aware to make changes to their stored searches, by December 8th, are included here. Complete lists of changes appear in the front of Medical Subject Headings - Annotated Alphabetic List, 1979. (For order information see technical note on page 4.) The lists included here are:

(1) Deleted Headings List - This is a specially prepared list containing only those terms which have really been removed from the system. They can not be used as search terms. They should be removed from any stored searches and replaced with appropriate strategy based on the term(s) replacing them.

(2) New Descriptors in 1979 MeSH - This is a 2-part listing of all of the completely new terms. Part 1 is an alphabetic listing by main heading with all of the information that appears in the Annotated Alphabetic List. In Part 2 they are arranged by category. None of the "replacement" terms, e.g. ACCIDENTS, OCCUPATIONAL, COMMUNITY HEALTH CENTERS; COXSACRIEVIRUSES; etc. are listed here since the concept is not new to MeSH and the term that is being replaced falls into the "deleted but retained" category. (Note one exception: SELF HELP GROUPS is replacing SOCIAL CLUBS which has not been retained as an entry term.) These terms should be reviewed for relevancy and added to appropriate stored searches.

(3) Tree Number Changes - This is also a 2-part listing. Part 1 is an alphabetic listing by main heading of those terms which are in 1978 MeSH and will also be in 1979 MeSH but with different tree numbers. Part 2 is an alphabetic listing by main heading of deleted terms when the term replacing it has a different tree number(s). All tree numbers are included for all terms even though only one number was changed. Each explosion using a tree number must be checked for validity and changes made for each stored search.

Following is the schedule for year end processing:

November 6 - MEDLINE and SDILINE will be updated with December 78 data at NLM and SUNY.

November 20 - December SDILINE at NLM will be replaced with another December SDILINE which has been file maintained to reflect 1979 MeSH and all stored searches will be executable online. SUNY will remain unchanged.

December 11 - MEDLINE and SDILINE will be updated with January 1979 data at NLM and SUNY. All files will have been file maintained to reflect 1979 MeSH and MEDLINE will have been regenerated to transfer 1976 data to BACK75. Stored searches will no longer be executable online.

HEALTH PLANNING AND ADMINISTRATION DATA BASE

Clifford A. Bachrach, M.D.

Medical Subject Headings Section, NLM

In response to a growing need, NLM has developed a new online citation data base, to be devoted to literature about health care planning, organization, financing, management, manpower, and related subjects. This will be known as the Health Planning and Administration Data Base, or "file Health," for short and will be available to U.S. centers on or about November 1, 1978. Please note that while the searching concepts and the print formats for the Health file are the same as in MEDLINE, some of the mnemonics for data elements have changed. (See the Health file unit record for the new mnemonics.) Initially, the file will contain relevant citations from MEDLINE journals, citations from supplementary journals selected for their emphasis on health care matters, and citations from journals selected for their value for the Hospital Literature Index.

The starting data base will contain about 95,000 citations indexed since January 1975 and may grow at a rate of 25,000 per year. As early as possible, we shall add citations from two additional sources.

The first of these will be citations to non-serial items, - that is books, technical reports, and so forth, from our own CATLINE file of NLM acquisitions.

The other step will be the inclusion of citations to be furnished by the National Health Planning Information Center (NHPIC) of the Health Resources Administration of the Department of Health, Education and Welfare. This literature is now cited in the Health Planning Series of the Weekly Government Abstracts published by the National Technical Information Service. The NHPIC component will include serial articles, books, and technical reports, some of which are available only through N.T.I.S.

The inclusion of materials from these sources awaits the modification of our computer records and programs to permit combining serial and non-serial citations in a single data base, - and the capability of converting NHPIC records which differ in bibliographic format from the NLM records.

Users of the new data base will encounter many unfamiliar serial titles, but there is a SERLINE record for each of them. Some are out-of-scope journals that contain relevant articles. The SERLINE record for each of these contains a note indicating that this title is not available from NLM. Possible sources of interlibrary loans will be suggested later.

In constructing this data base, we recognize that there can be no clear cut separation of the clinical from the administrative aspects of medicine. Many articles that are primarily clinical do make explicit reference to health care matters, and thus merit the assignment of one or more health care subject headings which qualify them for retrieval from MEDLINE for the new data base. It seems desirable, at least initially, to err in the direction of including marginal material rather than to pre-judge the limits of the interests of users of the new data base. By so doing we hope to minimize the occasions when a search of both data bases is necessary. We hope that, as users become familiar with the Health Planning and Administration data base, they will favor us with their comments and criticisms concerning scope, literature coverage, vocabulary and indexing.

NEW SERIALS ANNOUNCEMENT - SEPTEMBER 1978  
 Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the right of the title indicates that the title appears in Index Medicus. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, 301/496-1276, Technical Services Division, NLM.

ACTA ENDOSCOPICA  
 8,1978--  
 ENDOSCOPICA  
 CONTINUES ACTA ENDOSCOPIA ET  
 RADIOCINEMATOGRAPHICA  
 NANCY ITALY  
 IN PROCESS

ACTUALITES DE CHIRURGIE ORTHOPEDIQUE DE L  
 HOPITAL RAYMOND-POINCARÉ ET DE L INSTITUT  
 DE RECHERCHES ORTHOPEDIQUES  
 14,1978--  
 MASSON  
 CONTINUES ACTUALITES DE CHIRURGIE  
 ORTHOPEDIQUE DE L HOPITAL RAYMOND-POINCARÉ.  
 PARIS FRANCE  
 IN PROCESS

ADVANCES IN NURSING SCIENCE  
 1,1978--  
 ASPEN SYSTEMS CORPORATION  
 DOVER, NJ UNITED STATES  
 ON ORDER

ANNUAL REPORT - ADMINISTRATION OF THE TOXIC  
 SUBSTANCES CONTROL ACT  
 1ST,1977--  
 U.S. ENVIRONMENTAL PROTECTION AGENCY  
 WASHINGTON UNITED STATES  
 IN PROCESS

ANNUAL REPORT OF THE NATIONAL DIABETES  
 ADVISORY BOARD  
 1,1978--  
 U.S. DHEW. NATIONAL DIABETES ADVISORY BOARD  
 BETHESDA UNITED STATES  
 IN PROCESS

ANNUAL REPORT TO THE PRESIDENT AND CONGRESS  
 ON FEDERAL ACTIVITIES RELATED TO THE  
 ADMINISTRATION OF THE REHABILITATION ACT OF  
 1973 AS AMENDED  
 1976--  
 U.S. DEPARTMENT OF HEALTH, EDUCATION AND  
 WELFARE  
 CONTINUES ADMINISTRATION OF VOCATIONAL  
 REHABILITATION ACT  
 WASHINGTON UNITED STATES  
 IN PROCESS

BULLETIN MEDECINE LEGALE TOXICOLOGIE  
 URGENGE MEDICALE CENTRE ANTI-POISONS  
 21N1,1978--  
 MASSON  
 CONTINUES BULLETIN DE MEDECINE LEGALE  
 URGENGE MEDICALE CENTRE ANTI-POISONS  
 PARIS FRANCE  
 IN PROCESS

COLLOQUIA RHEUMATOLOGICA  
 N1,1977--  
 WERK-VERLAG DR. EDMUND BANASCHEWSKI  
 MUENCHEN GERMANY, WEST  
 IN PROCESS

DERMATOLOGY  
 1,1978--  
 DIDACTIC  
 EVANSTON, IL UNITED STATES  
 IN PROCESS

FEUILLETS DE RADIOLOGIE  
 18,1978--  
 LIBRAIRIE MALOINE  
 CONTINUES FEUILLETS D ELECTORADIOLOGIE  
 PARIS FRANCE  
 IN PROCESS

GANKA MOOK  
 N1,1978--  
 KANEHARA SHUPPAN KABUSHIKI KAISHA  
 TOKYO JAPAN  
 IN PROCESS

GEKA MOOK  
 N1,1978--  
 KANEHARA SHUPPAN KABUSHIKI KAISHA  
 TOKYO JAPAN  
 IN PROCESS

ICRDB CANCERGRAM. MECHANISMS OF  
 CARCINOGENESIS. ONCOGENIC TRANSFORMATION  
 1978--  
 U.S. DHEW NATIONAL CANCER INSTITUTE  
 BETHESDA UNITED STATES  
 IN PROCESS

ICRDB CANCERGRAM. HORMONES IN  
 CANCER-RELATED BIOLOGY. NON-STEROID HORMONES  
 1,1978--  
 U.S. DHEW NATIONAL CANCER INSTITUTE  
 BETHESDA UNITED STATES  
 IN PROCESS

NLM TECHNICAL BULLETIN - OCT 78

INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES  
40,1978--  
SCIENTIFIC PUBLICATION OF THE INDIAN  
PHARMACEUTICAL ASSOCIATION  
CONTINUES INDIAN JOURNAL OF PHARMACY  
BOMBAY INDIA  
IN PROCESS

KAWASAKI IGAKKAI SHI  
3,1977--  
KAWASAKI MEDICAL SCHOOL  
CONTINUES KAWASAKI IGAKKAI ZASSHI  
KAWASAKI JAPAN  
IN PROCESS

KOKUSAI SHIKA GIKO GAKKAI KOEN KIROKU SHU  
1,1976--  
NIPPON SHIKA GIKOSHIKAI  
TOKYO JAPAN  
IN PROCESS

MEMORY AND LEARNING; RESEARCH IN THE  
NERVOUS SYSTEM  
73,1977--  
BRAIN INFORMATION SERVICE  
CONTINUES MEMORY AND LEARNING - NEURAL  
CORRELATES IN ANIMALS  
LOS ANGELES UNITED STATES  
IN PROCESS

NAIKA MOOK  
N1,1978--  
KANEHARA SHUPPAN KABUSHIKI KAISHA  
TOKYO JAPAN  
IN PROCESS

NEUROSURGICAL REVIEW  
1, 1978--  
WALTER DE GRUYTER  
BERLIN GERMANY, WEST  
ON ORDER

PROCEEDINGS OF THE ASPIRIN SYMPOSIUM  
1ST,1975--  
ROYAL COLLEGE OF SURGEONS  
2ND, 1977 PUBLISHED AS SUPPLEMENT TO NO. 7,  
VOL. 70, 1977 OF THE PROCEEDINGS OF THE  
ROYAL SOCIETY OF MEDICINE (W1 PR5861)  
LONDON ENGLAND  
IN PROCESS

REPORT OF THE SECRETARY FOR HEALTH  
1976--  
DEPARTMENT OF HEALTH  
CONTINUES JAARVERSLAG VAN DIE DEPARTMENT  
VAN GESONDHEID  
PRETORIA SOUTH AFRICA  
IN PROCESS

SCHOCH LETTER  
25N2,1975--  
AMERICAN ACADEMY OF DERMATOLOGY  
CONTINUES SCHOCH LETTER; CURRENT NEWS IN  
DERMATOLOGY  
OAKLAND, CA UNITED STATES  
IN PROCESS

SEIKEI-GEKA MOOK  
N1,1978--  
KANEHARA SHUPPAN KABUSHIKI KAISHA  
TOKYO JAPAN  
IN PROCESS

VETERANS MEMORIAL MEDICAL CENTER JOURNAL  
8,1977--  
VETERANS MEMORIAL HOSPITAL  
CONTINUES VETERANS MEMORIAL HOSPITAL JOURNAL  
QUEZON CITY PHILIPPINES  
IN PROCESS

YOKUFUKAI GERIATRIC JOURNAL  
1, JULY 1976--  
GERIATRIC HOSPITAL  
CONTINUES ACTA GERONTOLOGICA JAPONICA  
TOKYO JAPAN  
MUST ORD DIRECT  
IN PROCESS

LIST OF MONOGRAPHS INDEXED  
NOVEMBER 1978

C

**Conference on Nutrition and Human Reproduction, National Institutes of Health, 1977.** Nutrition and human reproduction / edited by W Henry Mosley -- New York Plenum Press, c1978 ix, 515 p ill Conference organized by the National Institute of Child Health and Human Development  
1 Breast Feeding - congresses 2 Fertility - congresses 3 Nutrition - congresses 4 Reproduction - congresses I Mosley, Wiley Henry, 1933- ed II National Institute of Child Health and Human Development III Title  
ISBN 0-306-31122-4 LC 77-28738  
04NLM WP 565 C746n 1977  
IM Cit No 7708559

D

**DNA repair processes** / editors, Warner W Nichols, Donald G Murphy, associate editors, Margaret M Aronson [et al] -- Miami Symposium Specialists Inc, New York released through Stratton Intercontinental Medical Book Corp, c1977 ix, 286 p ill -- (Cellular senescence and somatic cell genetics, [v 4] Symposia specialists medical books From the third annual workshop sponsored by the Institute for Medical Research and the National Institute on Aging 1 Aging - congresses 2 DNA Repair - congresses I Aronson, Margaret M, ed II Murphy, Donald G, ed III Nichols, Warren W, ed IV Institute for Medical Research, Camden, N J V National Institute on Aging VI Series Cellular senescence and somatic cell genetics, v 4  
ISBN 0-88372-099-X LC 77-85642  
04NLM W1 CE1295 v 4 1977  
0XNLM [WT 104 D111 1977]  
IM Cit No 7806259

L

**Leukocyte chemotaxis** methods, physiology and clinical implications / [edited by] John I Gallin, Paul G Quie -- New York Raven Press, c1978 xiii, 429 p ill Based on a conference jointly supported by the National Institute of Allergy and Infectious Diseases and the Kroc Foundation, held January 1977 at the J and R Double Arch Ranch, Santa Ynez, Calif  
1 Chemotaxis, Leukocyte - congresses I Gallin, John Isaac, 1943- ed II Quie, Paul G, ed III Kroc Foundation IV National Institute of Allergy and Infectious Diseases  
04NLM QW 690 L652 1977  
IM Cit No 7803896

N

**NATO Advanced Study Institute on Cyclic Nucleotides, Tremezzo, Italy, 1977.** Molecular biology and pharmacology of cyclic nucleotides proceedings of the NATO Advanced Study Institute on Cyclic Nucleotides held in Tremezzo (Como), Italy, 19-30 September, 1977 / editors, Giancarlo Folco and Rodolfo Paoletti -- Amsterdam, New York Elsevier/North-Holland, 1978 ix, 340 p ill -- (Symposia of the Giovanni Lorenzini Foundation, v 1)  
1 Molecular Biology - congresses 2 Nucleotides, Cyclic - pharmacodynamics - congresses I Folco, Giancarlo, ed II Paoletti, Rodolfo, ed III Title IV Series  
ISBN 0-444-80041-7 LC 780470  
04NLM W3 SY1056 v 1 1978  
0XNLM [QV 185 N111m 1977]  
IM Cit No 7800372 (rev CIP)



# THE NLM TECHNICAL BULLETIN

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NOVEMBER 1978

NO. 115

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



FILES				
DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	6,560	THROUGH 1978	01 DEC 78	
BACK66	545,463	JAN 66-DEC 68	19 DEC 77	
BACK69	649,346	JAN 69-DEC 71	19 DEC 77	
BACK72	671,116	JAN 72-DEC 74	19 DEC 77	
+BACK75	385,601	JAN 75-DEC 75	19 DEC 77	
*BIOETHICS	6,195	JAN 73-DEC 77	30 OCT 78	7810(EM)
*CANCERLIT	146,632	JAN 63-SEP 78	13 NOV 78	7811(ED)
*CANCERPROJ	20,617	1976-1978	30 SEP 78	7809(ED)
*CATLINE	181,737	1965-1978	01 DEC 78	
CHEMLINE	248,877		01 JUN 78	
*CLINPROT	1,168		30 SEP 78	7809(ED)
*EPILEPSY	23,775	1945-PRESENT	18 SEP 78	
*HEALTH	99,297	JAN 75-DEC 78	01 DEC 78	7812(EM)
*HISTLINE	33,362		15 AUG 78	
MEDLINE	629,268	JAN 76-DEC 78	06 NOV 78	7812(IM)
MESH VOC	14,699	1978	19 DEC 77	
*NAME AUTH	100,734	1978	06 DEC 78	
*RTECS	31,636	1977	11 SEP 78	
SDILINE	19,739	DEC 78	06 NOV 78	
*SERLINE	31,221	1978	30 OCT 78	
*TDB	2,482		30 OCT 78	
*TOXLINE	516,818		20 NOV 78	7811(ST)
CBAC	268,579	1974-VOL 28(9)		
TOXBIB	105,435	1974-DEC 78		
IPA	29,544	1974-AUG 78		
HEEP	66,992	1974-JAN 79		
PESTAB	14,575	1974-NOV 78		
EMIC	19,093	1960-1977		
ETIC	11,600	1950-JUL 78		
*TOXBACK	379,299		06 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

- 1) \* = FILES AVAILABLE AT NLM ONLY.
- 2) + = CITATIONS WITH PUBLICATION YEAR OF 1975 OR EARLIER BUT ENTRY DATE OF 1976 OR 1977 ALSO INCLUDED.
- 3) THE BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

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TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference to the section of the NLM Online Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual.

- TDB  
(Manual  
Part 15)
- The TOXICOLOGY DATA BANK (TDB) became available online at NLM to all U.S. centers on October 30. During November and December 1978, there will be no charges for online access. Offline prints will be charged at the normal rate. To access the file, enter FILE TDB and then enter EXPLAIN UNIT RECORD. Do not use STORESEARCH with TDB. The TDB contains copyrighted information. For a description of TDB, see the article by Dr. Henry M. Kissman in the September 78 Bulletin (page 5). For assistance with search strategy, contact the Toxicology Information Program (301/496-1131).
- INWATS
- The TELENET INWATS number can now be used for 10, 30, and 120 cps access. For 120 cps, please note that this number will only support terminals operating with a Bell 212A modem.
- MEDLEARN  
(Manual  
Part 20)
- It is now possible to enter commands without quotes in MEDLEARN, as in ELHILL.
- CANCERPROJ  
Index Terms  
(Manual  
Part 17.4)
- New cumulated listings of the hierarchical and alphabetical CANCERPROJ index terms with codes are available upon request from MEDLARS Management Section.
- HOLIDAY
- Reminder: The NLM and SUNY computers will be down on Christmas Day, Monday, December 25, 1978, and New Years Day, Monday, January 1, 1979.
- PHONES
- Appendix B is an updated list of telecommunications phone numbers for accessing NLM/SUNY. TWX users please note that a TWX number has been reinstated: 710/824-0417. FTS users please note that one of the FTS DIRECT phone numbers has been deleted: 301/496-1736. The FTS number, 301/496-1994, will remain.

SERLINE  
CHANGES  
(Manual  
Part 11)

- Changes in the SERLINE data base, made available online October 30, are detailed below. Expanded holdings data for participating SERLINE libraries will be added to the file during 1979-80. The new holdings statements will include beginning and ending year, volume, and some additional elements, such as current acquisition status. For further information, enter EXPLAIN SERLINE after any ELHILL USER: cue.

Changes in Mnemonics

The following changes have been made in SERLINE as part of NLM's effort to standardize mnemonics across all ELHILL files.

<u>OLD</u>	<u>NEW</u>
AB - Disallow abstract tag	<del>DZ</del> - Disallow abstract tag
CL - Final year of publication	Y2 - Final year
CP - Country	CY - Country
ES - Date established	IA - Indexing authority date
IN - Indexing note	II - Indexing information
IX - Selectively indexed indicator	SX - Selectively indexed indicator
NO - CATLINE citation number	U2 - CATLINE citation number
PP - Country of Publication tree number	ZN - MeSH Z tree number
SQ - SERLINE citation number	UI - Unique identifier
ST - Indexing status	XS - Indexing status
YR - Initial year of publication	YI - Initial year

New Elements

DA - Date of entry  
MR - Major revision date  
PRS - Price search version  
RI - Revision indicator  
SM - Series treatment code  
ZA - Zero articles

Deleted Element

OP - Out of print note

Change in PRINT FULL Command

The PRINT FULL command has been altered to exclude the locator codes in response to user requests for a complete bibliographic format without location information.

HEALTH  
PLANNING &  
ADMIN FILE

- The HEALTH PLANNING & ADMIN data base was made available online to all U.S. centers on November 1, 1978. For a description of the file, enter EXPLAIN HEALTH after any ELHILL USER: cue. The file was also described in an article by Dr. Clifford A. Bachrach appearing in the October 1978 Bulletin (page 16).

Although searching concepts and print formats are the same as those in MEDLINE, there are new mnemonics and names for some data elements to accommodate monographic citations and also for standardization. Following is a list of those data elements with their MEDLINE equivalents.

<u>HEALTH</u>	<u>MEDLINE</u>
AA ABSTRACT AUTHOR	AS ABSTRACT SOURCE
<del>CY</del> COUNTRY	PL PLACE OF PUBLICATION
DA DATE OF ENTRY	ED ENTRY DATE
DP DATE OF PUBLICATION	PD PUBLICATION DATE
EM ENTRY MONTH	IM INDEX MEDICUS MONTH
IN IN STATEMENT/TITLE ABBREVIATION	TA TITLE ABBREVIATION
LR LAST REVISION DATE	VD REVISION DATE
MN MESH CLASSIFICATION NUMBER	MC MESH CLASSIFICATION NUMBER
MR MAJOR REVISION DATE	LV LAST MAJOR REVISION
NI NO AUTHOR INDICATOR	NA NO AUTHOR INDICATOR
PS PERSONAL NAME AS SUBJECT	SU SUBJECT NAME
RF NUMBER OF REFERENCES	NR NUMBER OF REFERENCES
UI UNIQUE IDENTIFIER	CN CITATION NUMBER
YR YEAR	YR YEAR OF PUBLICATION
ZN MESH Z TREE NUMBER	PN PLACE OF PUBLICATION NUMBER

When citations to non-serial literature are added to this file in 1979, new data elements will be added and will be announced in the Bulletin and the online NEWS.

- 1979 UPDATE SCHEDULE - Appendix A is the proposed update schedule for MEDLINE, CANCERLINE and TOXLINE.
- RTECS - Storedsearches may now be executed via OFFSEARCH in the RTECS data base.

AUTOMATIC SDI's  
Carolyn Tilley, MEDLARS Management Section, NLM

The Automatic SDI service at NLM is a feature first offered in August 1976. In August 1978, almost 4,500 searches were processed using this capability. To use this service, centers store their searches at NLM (not SUNY) using the STORESEARCH command and special naming conventions (see the NLM Online Services Reference Manual, parts 5.6 - 5.10). After storing at least 5 searches, centers complete and return an Automatic SDI Request Form for each ID code used to store their searches. These searches are then processed automatically each month against the current SDILINE or current TOXLINE update and offline prints containing the retrieved citations are mailed to each participating center for eventual distribution to their patrons.

Currently, only three printing formats are offered for citations retrieved from stored searches processed under these Automatic SDI procedures. They are:

001 through 200 - print standard

SDILINE: AU, TI, SO  
TOXLINE: SI, AU, TI, SO

201 through 400 - print full, include RP

SDILINE: AU, TI, SO, MH, LA, RP  
TOXLINE: SI, AU, AA, TI, LA, SO, AB

401 through 600 - print detailed

SDILINE: AU, TI, SO, TT, LA, MH, AB, RP  
TOXLINE: SI, AU, AA, TI, LA, JC, IS, SO, AB, RN, IT, DT, KW

Effective with the January 1979 SDILINE, two new groups of printing formats will be added:

601 through 700 - new fixed format:

SDILINE: AU, TI, SO, AB  
TOXLINE: SI, AU, TI, SO, AA

701 through 800 - tailored print format:

user specifies print elements

Included with this Bulletin is an Automatic SDI Request form to be completed and returned to MEDLARS Management Section only if:

- (1) Your center has stored at least 5 properly named searches and wishes to begin Automatic SDI processing, or
- (2) Your center is currently an Automatic SDI user who wishes to take advantage of the tailored print format option.

If you are already a participant in the Automatic SDI program, no action on your part is required to continue the program as it is currently set up. However, if you wish to change the print format of citations retrieved by an existing stored search, you must purge that search and reenter it with

the appropriate search name. Please note: The form must be completed and sent to NLM only if the tailored print format option is desired specifying the data elements you wish printed. All other formats are fixed as indicated.

PRE-EXPLOSIONS IN 1979 MEDLINE FILES  
 Clifford A. Bachrach, M.D.  
 Head, Medical Subject Headings Section, NLM

With the mounting of the 1979 MEDLINE files, a new capability, called Pre-Explosion, has been added to facilitate search. It is designed to overcome some of the limitations of the "Explode" capability.

When the online searcher attempts to explode a large tree such as C4 in the ordinary way, the computer sets about collating over 400 lists, many of which contain thousands of individual entries. The result is an overflow of some of the limits that have been established to prevent any single online user from making unreasonable use of computer capacity at the expense of other online users. Until now, such large explosions have been possible only in offsearches.

To make "pre-explosion" possible, some of the commonly needed explosions have been accomplished in advance and stored. Use of the search element Neoplasms (PX) for example calls up a single citation list representing every citation that has been indexed with one or more of the descriptors in C4. One may "and" or "or" this element with any other element, as one would use an ordinary explosion. However, in searching, subheadings cannot be linked directly to the descriptors contained in the Pre-Explosion. That is, ELHILL will not respond appropriately to a request for Neoplasm (PX)/ET, nor can the desired result be obtained by use of the "SUBS APPLY" command. Of course, one may "and" the Neoplasms (PX) with the subheading ET, recognizing that this may retrieve some citations in which the subheading is present but not linked to a neoplasm as, for example;

PHEOCHROMOCYTOMA  
 HYPERTENSION/et

The available Pre-Explosions are:

<u>Subject</u>	<u>Tree</u>
Neoplasms	C4
Vertebrates	B2
Mammals	B2.649
Mental Disorders	F3.709
Enzymes	D8.586
Proteins	D12.776
Neurologic Manifestations	C10.597
Heart Diseases	C14.280
Cells	A11

In searching, Pre-Explosions are addressed by name, not by number. Note that one may use Enzymes (PX) to include every citation containing an enzyme heading, or \*Enzymes (PX) to include citations indexed with one or more enzymes having a central concept ("print") indicator.

The Pre-Explosions have also been included in all backfiles, as well as in SDILINE. One may therefore use this capability when one is doing an offsearch of backfiles while doing an online search of either MEDLINE or SDILINE.

Users are invited to call to our attention any additional large explosions for which they have recurring need. We will consider these as candidates for Pre-Explosion when building the 1980 files in the fall of 1979. Some large explosions, such as D1, D2, and D3 have been intentionally omitted because we have not been convinced of the logical justification for their inclusion in a search strategy. These decisions are subject to change if the need for them is clearly demonstrated.

#### ANNOUNCEMENT: EVALUATION OF THE ONLINE SEARCH PROCESS

The National Library of Medicine has awarded a contract to Cuadra Associates, Inc., in Santa Monica, California and its subcontractor, King Research, to study the relationship between various types of training and the quality and style of searching on the NLM retrieval system. Although there are many ways in which NLM search analysts are trained, the study team has been asked to compare two groups of analysts: those who have been formally trained in one of the courses (Initial, Advanced or 3-week) provided under NLM auspices, and those who have been trained in some other way (e.g., by a colleague, by one or more other online suppliers, or by self-instruction).

A total of about 200 NLM analysts throughout the U.S. will be invited to participate in the study. The results of the searches that analysts will be asked to perform will be coded to maintain complete confidentiality, and the data will be aggregated in several ways for comparative analysis. Letters of invitation from Cuadra Associates to analysts will be sent through the directors, online coordinators, or other supervisory personnel in the NLM subscribing organizations, sometime late in the first quarter of 1979. The research project staff is hopeful that it will receive a high level of interest from these contacts to help ensure the identification of a broad group of analysts from which to sample for participation in this important and potentially valuable study.

Project results will include an analysis of the individual tasks that make up the search process--from receipt of a request to delivery of the final bibliography--and whatever is learned about the relative effectiveness of different training approaches, which should help to suggest improvements for future online training and continuing education programs.

The Evaluation of the Online Search Process project is a one-year study, and Judy Wanger is Project Director. The NLM Project Officer is Laura Kassebaum, OnLine Training Coordinator.

CHANGES IN THE 1979 MeSH FILE RECORDS  
Clifford A. Bachrach, M.D.  
Head, Medical Subject Headings Section, NLM

Several new data elements have been added to MeSH computer records in 1979, and the two letter mnemonic for another has been changed.

Although previously created records in the citation files can be changed to reflect MeSH changes, citations in the printed Index Medicus cannot be re-indexed. When Dementia, Senile replaces Psychosis, Senile as a descriptor in MeSH, every MEDLINE citation that was ever indexed under Psychosis, Senile is changed to read Dementia, Senile. As far as the MEDLINE searcher is concerned, it is as though Dementia, Senile had been a MeSH descriptor since 1966. On the other hand, the Index Medicus searcher who is using the 1979 MeSH needs to be reminded that, if he wishes to search the 1978 and earlier issues of I.M., he must look under Psychosis, Senile rather than Dementia, Senile.

For this reason, the MeSH record now contains an ON (Online Note) field and a PN (Publication Note) field. The former contains information about changes in MeSH descriptors and cross references relevant to the needs of MEDLINE searchers. The Online Notes appear in the 1979 Annotated Alphabetic MeSH. The Publication Notes contain information about changes in MeSH descriptors and cross references which concern the Index Medicus user. These notes appear in the 1979 Index Medicus edition of MeSH, but not in the Annotated MeSH.

Although the Publication Notes do not appear in the Annotated MeSH, much of the same information is contained in the HI (History) field which does appear in Annotated MeSH largely for the benefit of catalogers and card catalog users. Their needs may differ from those of either the MEDLINE searcher or the Index Medicus user, because they may exercise several options in maintaining their card files.

The online MeSH record contains an additional historical field. This was formerly the HN (History Note) field, which has now been redesignated as the PI (Previous Indexing) field. Whereas the ON and PN fields contain "hard data," definitely traceable through successive annual editions of MeSH, the PI field contains a "soft" mixture of what indexers were previously told to do, what they rationally might have done in the absence of either an appropriate heading or specific instruction, and what they actually did do as determined by examining the descriptors on citations retrieved by means of text word searches. One of the important reasons for creating a new MeSH descriptor is the discovery that indexers have been indexing a given concept in a variety of ways. The PI field will attempt to document at least the more common of those ways. No attempt has been made to indicate logical relations among the descriptors listed in the PI field. In some citations a single one of the listed terms might have been used by the indexer, and in other citations several of the terms may have been used in coordination. The searcher must sometimes make the choice of an "ored" strategy which may produce irrelevancies or an "anded" strategy which may miss some appropriate citations.



If a descriptor has not been in MeSH long enough to satisfy the user's back-search needs, he should first consider the Online Note that appears under the term in MeSH. If one wishes to search for Lysergic Acid, one finds the date (75) indicating that this heading is separately searchable online back through 1975. The Online Note "search Ergolines 1969-74" indicates that Lysergic Acid was a "see under" reference to Ergolines from 1969. If one wishes to go back still further, the PI for Ergolines suggests six descriptors that are worth considering. The PI for Ergolines may be consulted online, or may be found in the introduction to 1969 MeSH, if one's set of MeSH volumes go back that far. The PI field in the online MeSH is being maintained to reflect current MeSH usage; in the old MeSH volumes, some of the descriptors listed under "Previous Indexing" may since have been changed.

In this particular example, a text word search may have advantages. The text word approach is likely to be less advantageous for a concept that may be called by a greater variety of names.

For some further details of these notes, the reader is referred to the introduction to the 1979 Annotated MeSH. The reconstruction of the history of each MeSH term has been a laborious task. The members of the MeSH Section would welcome having erroneous or inadequate history notes or online notes brought to their attention.

NEW SERIALS ANNOUNCEMENT - OCTOBER 1978  
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the right of the title indicates that the title appears in Index Medicus. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, 301/496-1276, Technical Services Division, NLM.

A AND R ANALYSIS AND RESEARCH  
1977--  
SANGYO KAIHATSUSHA  
CONTINUES BUNSEKI KIKI. ANALYTICAL  
INSTRUMENTS  
TOKYO JAPAN  
IN PROCESS

ABSTRACTS OF HEALTH CARE MANAGEMENT STUDIES  
15N1,1978--  
HEALTH ADMINISTRATION PRESS  
CONTINUES ABSTRACTS OF HOSPITAL MANAGEMENT  
STUDIES  
MICHIGAN UNITED STATES  
IN PROCESS

IM ANTIBIOTICA. QUADERNI  
GIUGNO 1975-  
ROMA? ITALY  
WI AN853I

AUDIO-DIGEST. ORTHOPAEDICS  
1, JULY, 1978--  
AUDIO-DIGEST FOUNDATION  
GLENDALE, CA UNITED STATES  
AUDIO-DIGEST FOUNDATION 1577 E. CHEVY CHASE  
DRIVE GLENDALE, CA. 91206  
ON ORDER

AUDIO-DIGEST. UROLOGY  
1, JULY, 1978--  
AUDIO DIGEST FOUNDATION  
GLENDALE UNITED STATES  
ON ORDER

BOTUCATU CIENTIFICA. SERIE B: CIENCIAS BIOMEDICAS 1,NI,1976-- UNIVERSIDADE ESTADUAL PAULISTA JULIO DE MESQUITA FILHO BOTUCATU ON ORDER	BRAZIL	HANDBOOK OF CANCER IMMUNOLOGY 1,1978-- GARLAND  ON ORDER	UNITED STATES
COMPENDIA RHEUMATOLOGICA 1,1976-- EULAR VERLAG BASEL IN PROCESS	SWITZERLAND	HANDBOOK OF HOSPITAL - ASSOCIATED INFECTIONS 1,1978-- MARCEL DEKKER NEW YORK IN PROCESS	UNITED STATES
CURRENT NEUROLOGY 1,1978-- HOUGHTON MIFFUN PROFESSIONAL PUBLISHERS, MEDICAL DIVISION BOSTON ON ORDER-CIP	UNITED STATES	HOSPITAL FORUM 1,1977-- HOSPITAL ASSOCIATION OF NEW YORK STATE SUPERSEDES HOSPITAL FORUM ALBANY, NY HOSPITAL ASSOCIATION OF NEW YORK STATE, 15 COMPUTER DRIVE WEST, ALBANY, NEW YORK 12205 IN PPOCESS	UNITED STATES
DEVELOPMENTAL GENETICS 1,1979-- ALAN R. LISS NEW YORK ON ORDER	UNITED STATES	IM IARC MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENIC RISK OF CHEMICALS TO HUMANS 17,1978-- WORLD HEALTH ORGANIZATION CONTINUES IARC MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENIC RISK OF CHEMICALS TO MAN GENEVA IN PROCESS	UNITED STATES
DISTINGUISHED LECTURE SERIES OF THE SOCIETY OF GENERAL PHYSIOLOGISTS 1,1978-- RAVEN PRESS NEW YORK ON ORDER-CIP	UNITED STATES	IM IARC MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENIC RISK OF CHEMICALS TO HUMANS 17,1978-- WORLD HEALTH OPGANIZATION CONTINUES IARC MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENIC RISK OF CHEMICALS TO MAN GENEVA IN PROCESS	UNITED STATES
ENVIRONMENTAL MUTAGENESIS 1,1979-- ALAN R. LISS NEW YORK ON ORDER	UNITED STATES	ICRDB CANCERGRAM . MOLECULAR BIOLOGY. RNA 1,OCT 1978-- U.S. NATIONAL CANCER INSTITUTE BETHESDA MD U.S. NATIONAL CANCER INSTITUTE, PHS, BETHESDA, MD 20014 IN PROCESS	UNITED STATES
FAMILY PRACTICE MONOGRAPH 1977-- AMERICAN FAMILY PHYSICIAN CONTINUES MONOGRAPH - AMERICAN ACADEMY OF FAMILY PHYSICIANS NEW YORK IN PROCESS	UNITED STATES	ICRDB CANCERGRAM. MOLECULAR BIOLOGY. DNA 1,OCT 1978-- U.S. NATIONAL CANCER INSTITUTE BETHESDA MD U.S. NATIONAL CANCER INSTITUTE, PHS, BETHESDA, MD 20014 IN PROCESS	UNITED STATES
GENERAL SCIENCE INDEX 1,1978-- H.W. WILSON ISSUED MONTHLY EXCEPT JUNE AND DECEMBER BRONX H.W. WILSON CO. 950 UNIVERSITY AVE. BRONX, N.Y. 10452 ON ORDER	UNITED STATES	IMMUNOPATHOLOGIE DE L AUTO-IMMUNISATION 1,1978-- EDITIONS VARIA PARIS ON ORDER	FRANCE
GENERAL SURGERY: THERAPY UPDATE SERVICE 1,1978-- HOUGHTON MIFFLIN PROFESSIONAL PUBLISHERS, MEDICAL DIVISION BOSTON ON ORDER-CIP	UNITED STATES	INTENSIVE CARE OF THE NEWBORN 1,1976-- MASSON PARIS ON ORDER	FRANCE
GMENAC STAFF PAPERS 1,1977-- U.S. HEALTH RESOURCES ADMINISTRATION HYATTSVILLE, MD IN PROCESS	UNITED STATES		

NLM TECHNICAL BULLETIN - NOV 78

- |  |   |
|--|---|
| <p>IM INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE<br/>16,1977--<br/>C V MOSBY CO<br/>CONTINUES INVESTIGATIVE OPHTHALMOLOGY<br/>ST LOUIS UNITED STATES<br/>W1 IN994Z</p>   | <p>IM NEUROLOGIJA<br/>25N1,1977--<br/>NEUROLOGIJA<br/>CONTINUES NEUROPSHIJATIPJA<br/>ZAGREB YUGOSLAVIA<br/>IN PROCESS</p>   |
| <p>IM JOURNAL BELGE DE MEDECINE PHYSIQUE,<br/>BELGISCH TIJDSCHRIFT VOOR FYSISCHE<br/>GENEESKUNDE<br/>32,1977--<br/>ACTA MEDICA BELGICA<br/>CONTINUES IN PART JOURNAL BELGE DE<br/>RHUMATOLOGIE ET DE MEDECINE PHYSIQUE,<br/>BELGISCH TIJDSCHRIFT VOOR REUMATOLOGIE EN<br/>FYSISCHE GENEESKUNDE, OFFICIAL ORGAN OF<br/>SOCIETE ROYALE BELGE DE MEDECINE PHYSIQUE<br/>ET DE REABILITATION.<br/>BRUXELLES BELGIUM<br/>ON ORDER - UCLA</p> | <p>PROTEINS OF ANIMALS CELL PLASMA MEMBRANES<br/>1,1978--<br/>EDEN<br/>MONTREAL CANADA<br/>ON ORDER</p>   |
| <p>JOURNAL OF ETHNOPHARMACOLOGY<br/>1,WINTER 1978--<br/>ELSEVIER SEQUOIA<br/>LAU SWITZERLAND<br/>ON ORDER</p>  | <p>RATE REVIEW TOPICS<br/>1N1,1977--<br/>MILLER AND BYRNE<br/>WASHINGTON UNITED STATES<br/>IN PROCESS</p>   |
| <p>JOURNAL OF MEDICAL CHALLENGE<br/>10N8,1978--<br/>DIDACTIC INC<br/>CONTINUES MEDICAL CHALLENGE<br/>EVANSTON, IL UNITED STATES<br/>IN PROCESS</p>   | <p>SANFUJINKA MOOK<br/>N1,MAY,1978--<br/>KANEHARA SHUPPAN<br/>TOKYO JAPAN<br/>ADDRESS. KANEHARA SHUPPAN 2-31-14 YUSHIMA<br/>BUKYO-KU, TOKYO, JAPAN<br/>IN PROCESS</p>   |
| <p>LIFE-SPAN DEVELOPMENT AND BEHAVIOR<br/>1, 1978--<br/>ACADEMIC PRESS<br/>NEW YORK UNITED STATES<br/>ON ORDER</p>   | <p>TECHNIQUES OF MEASUREMENT IN MEDICINE<br/>1,1978--<br/>CAMBRIDGE UNIVERSITY PRESS<br/>CAMBRIDGE ENGLAND<br/>W1 TE201D</p>  |
| <p>MEDICAL JOURNAL OF BASRAH UNIVERSITY<br/>1N1,JUNE 1977--<br/>BASRAH UNIVERSITY<br/>BASRAH IRAQ<br/>IN PROCESS</p>   | <p>TODAYS CLINICIAN<br/>1,1978--<br/>WESTERN COMMUNICATIONS INC<br/>NEW YORK UNITED STATES<br/>IN PROCESS</p>   |
| <p>MEDIZIN BIBLIOTHEK DOKUMENTATION<br/>1,1977--<br/>MEDIZIN BIBLIOTHEK DOKUMENTATION<br/>BIELEFELD GERMANY, WEST<br/>IN PROCESS</p>   | <p>IM TOXICOLOGICAL EUROPEAN RESEARCH. RECHERCHE<br/>EUROPEENE EN TOXICOLOGIE<br/>1,1978--<br/>EDITIONS OURANOS<br/>SUPERSEDES EUROPEAN JOURNAL OF TOXICOLOGY<br/>AND ENVIRONMENTAL HYGIENE. ISSUED BY<br/>SOCIETE FRANCAISE DE TOXICOLOGIE.<br/>PUTEAUX, FRANCE FRANCE<br/>ON ORDER-UCLA</p> |
| <p>MONOGRAPHS IN CLINICAL PHARMACOLOGY<br/>1,1978--<br/>CHURCHILL LIVINGSTONE<br/>NEW YORK UNITED STATES<br/>IN PROCESS</p>  | <p>TRANSACTIONS - BULLETIN OF THE INSTITUTE OF<br/>TRANSACTIONAL ANALYSIS<br/>1978--<br/>INSTITUTE OF TRANSACTIONAL ANALYSIS<br/>CONTINUES BRITISH TRANSACTIONAL ANALYSIS<br/>BULLETIN<br/>SAN FRANCISCO, CA UNITED STATES<br/>IN PROCESS</p>   |

LIST OF MONOGRAPHS INDEXED

DECEMBER 1978

C

**Centrally acting peptides** / edited by J. Hughes —  
 Baltimore University Park Press, 1978 x, 259 p ill  
 Papers presented at a symposium held on the 4-5th April, 1977 at the Middlesex Hospital Medical School and organized by the Co-ordinating Committee for Symposia on Drug Action of the Biological Council  
 1 Behavior - drug effects - congresses 2 Neurohumors - metabolism - congresses 3 Peptides - metabolism - congresses I Hughes, John, ed II Biological Council Co-ordinating Committee for Symposia on Drug Action III Title Symposium on centrally acting peptides  
 ISBN 0-8391-1202-5 LC 77-18286  
 04NLM QU 68 C397 1977  
 IM Cit No 7708190 (rev CIP)

D

**Dahlem Workshop on the Bases of Addiction, Berlin, 1977.**  
 The bases of addiction report of the Dahlem Workshop on the Bases of Addiction, Berlin 1977, September 26 to 30 / Jack Fishman, editor, rapporteurs, H Kalant [et al] — Berlin Produced for Dahlem Konferenzen by Abakon Verlagsgesellschaft, 1978 535 p ill — (Life sciences research report, 8)  
 1 Drug Dependence - congresses 2 Pharmacology - congresses I Fishman, Jack, ed II Kalant, Harold III Dahlem Konferenzen IV Title V Title Report of the Dahlem Workshop on the Bases of Addiction VI Series  
 ISBN 3-8200-1210-9 LC 77-14044  
 04NLM W1 L14067R v 8 1978  
 0XNLM [WM 270 3 D131b 1977]  
 IM Cit No 7806709

H

**Health goals and health indicators** policy, planning, and evaluation / edited by Jack Elmsion, Anne Mooney, and Athilia E Siegmann — Boulder, Colo Published by Westview Press for the American Assn for the Advancement of Science, 1977 xvi, 137 p ill — (AAAS selected symposium, 2) Papers presented at a symposium health at the 1977 AAAS annual national meeting  
 1 Health and Welfare Planning - U S - congresses 2 Health Surveys - U S - congresses 3 Quality of Health Care - U S - congresses I Elmsion, Jack, ed II Mooney, Anne, ed III Siegmann, Athilia E, ed IV American Association for the Advancement of Science V Series  
 ISBN 0-89158-429-3 LC 77-14044  
 04NLM W3 A101S v 2 1977  
 0XNLM [WA 540 AA1 H2 1977]  
 IM Cit No 7807282

I

**Immunity in parasitic diseases** = Immunité et affections parasitaires : colloque, INA, Thiverval-Grignon, 5-9 septembre 1977 colloque INSERM - INRA / organisé par André Capron [et al] — Paris Editions INSERM, 1978 330 p ill Table of contents in English and French, text in English with summaries in French Includes bibliographies  
 1 Parasitic Diseases - immunology - congresses 2 Parasitic Diseases - prevention & control - congresses I Capron, André II Institut national de la recherche agronomique III Institut national de la sante et de la recherche medicale IV Title Immunité et affections parasitaires  
 ISBN 2-85598-167-0 LC 77-14044  
 04NLM WC 695 I295 1977  
 IM Cit No 7807596

**International Symposium on Cerebral Correlates of Conscious Experience, Senanque Abbey, France, 1977.**  
 Cerebral correlates of conscious experience proceedings of an International Symposium on Cerebral Correlates of Conscious Experience, held in Senanque Abbey, France on 2-8 August 1977 / editors, Pierre A Buser and Arlette Rougeul-Buser — Amsterdam, New York North-Holland Pub Co, New York sole distributor for the U S, Elsevier North-Holland, 1978 x, 364 p / Sss/ill, ports, plates — (INSERM symposium, no

6) Organized on behalf of the Commission of Neurophysiology of the International Union of Physiological Sciences  
 1 Brain - congresses 2 Cerebral Cortex - physiology - congresses 3 Consciousness - congresses 4 Neurophysiology - congresses 5 Perception - physiology - congresses 6 Psychophysiology - congresses I Buser, Pierre A, ed II Rougeul-Buser, Lise Arlette, 1924- ed III Title IV Series  
 ISBN 0-7204-0659-5 LC 78-5713  
 04NLM W3 I328E no 6 1977  
 0XNLM [WL 705 I6113c 1977]  
 IM Cit No 7801700 (rev CIP)

L

**Limbic System Symposium, University of Toronto, 1976.**  
 Limbic mechanisms the continuing evolution of limbic system concept / edited by Kenneth E Livingston and Oleh Hornykiewicz — New York Plenum Press, c1978 xv, 542 p ill, ports Symposium held as a satellite to the sixth annual meeting of the Society for Neuroscience and designed in part as a tribute to James Papez  
 1 Limbic System - physiology - congresses 2 Limbic System - physiopathology - congresses I Hornykiewicz, Oleh, ed II Livingston, Kenneth E, ed III Society for Neuroscience IV University of Toronto V Title  
 ISBN 0-306-31135-6 LC 78-1542  
 04NLM WL 314 L733L 1976  
 IM Cit No 7800530 (rev CIP)

N

**The Neurobiologic mechanisms in manipulative therapy** / edited by Irwin M Korr, with the assistance of Ethel H Huntwork — New York Plenum Press, c1978 xxi, 466 p ill Proceedings of a workshop held in the Kellogg Center for Continuing Education, Michigan State University, East Lansing, 1977  
 1 Manipulation, Orthopedic - congresses 2 Neurophysiology - congresses 3 Physical Therapy - congresses I Korr, Irwin M, ed II Kellogg Center for Continuing Education III Title Workshop on the neurobiologic mechanisms in manipulative therapy  
 ISBN 0-306-31150-X LC 78-4667  
 04NLM WB 535 N494 1977  
 IM Cit No 7801450 (rev CIP)

P

**Propranolol and schizophrenia** proceedings of a conference / sponsored by the Kroc Foundation, held December 1976 in the Santa Ynez Valley, California / editors, Eugene Roberts, Peter Amacher — New York Liss, 1978 viii, 152 p ill — (Kroc Foundation series, v 10)  
 1 Propranolol - therapeutic use - congresses 2 Schizophrenia - drug therapy - congresses I Amacher, Peter, ed II Roberts, Eugene, ed III Series  
 ISBN 0-8451-0300-8 LC 78-1781  
 04NLM W3 KR45 v 10 1976  
 0XNLM [WM 203 P965 1976]  
 IM Cit No 7807145

S

**San Francisco Cancer Symposium, 12th, 1977. Renaissance of interstitial brachytherapy** / editor, Jerome M Vaeth — Basel, New York Karger, 1978 vi, 178 p ill — (Frontiers of radiation therapy and oncology, v 12)  
 1 Neoplasms - radiotherapy - congresses I Vaeth, Jerome M, 1925- ed II Title III Series  
 ISBN 3 8055-2706-3 LC 78-1781  
 04NLM W3 FR935 v 12 1977  
 04NLM [QZ 269 S195 1977r]  
 IM Cit No 7800173 (rev CIP)

**Sleep apnea syndromes** / editors, Christian Guilleminault, William C Dement — New York Liss, 1978 xv, 372 p ill — (Kroc Foundation series, v 11) Proceedings of a conference sponsored by the Kroc Foundation and held in July 1977 in the Santa Ynez Valley, Calif Includes

**bibliographies.**

1. Apnea - congresses    2. Sleep Disorders - congresses  
I. Dement, William C., 1928-    ed.    II. Guilleminault, Christian, ed.    III. Kroc Foundation.  
IV. Title: Conference on sleep apnea syndromes    V. Series  
ISBN 0-8451-0301-6    LC: 78-416  
O4NLM: W3 KR43 v.11 1977  
OXNLM: [WM 188 S6313 1977]  
IM    Cit. No. 7807416

DATA BASE UPDATE SCHEDULE FOR 1979

	<u>MEDLINE/SDILINE</u>	<u>CANCERLINE</u>	<u>TOXLINE</u>
Jan	Dec 11	Jan 22	Jan 29
Feb	Jan 8	Feb 19	Feb 26
Mar	Feb 5	Mar 19	Mar 26
Apr	Mar 5	Apr 23	Apr 30
May	Apr 9	May 21	May 28
Jun	May 7	Jun 21	Jun 25
Jul	Jun 4	Jul 23	Jul 30
Aug	Jul 9	Aug 20	Aug 27
Sep	Aug 6	Sep 17	Sep 24
Oct	Sep 10	Oct 22	Oct 29
Nov	Oct 8	Nov 19	Nov 19*
Dec	Nov 5	Dec 17	Dec 17*

\*Modified due to holidays.



# THE NLM TECHNICAL BULLETIN

FORMED BY THE UNION OF  
THE LIBRARY NETWORK/MEDLARS TECHNICAL BULLETIN AND THE TOXLINE TECHNICAL BULLETIN

DECEMBER 1978

NO. 116

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FILES

DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	6,568	THROUGH 1978	29 DEC 78	
BACK66	501,802	JAN 66-DEC 68	11 DEC 78	
BACK69	668,258	JAN 69-DEC 71	11 DEC 78	
BACK72	669,109	JAN 72-DEC 74	11 DEC 78	
+BACK75	642,954	JAN 75-DEC 76	11 DEC 78	
*BIOETHICS	6,195	JAN 73-DEC 77	30 OCT 78	7810(EM)
*CANCERLIT	150,166	JAN 63-NOV 78	18 DEC 78	7812(ED)
*CANCERPROJ	20,617	1976-1978	30 SEP 78	7809(ED)
*CATLINE	182,535	1965-1978	29 DEC 78	
CHEMLINE	248,877		01 JUN 78	
*CLINPROT	1,168		30 SEP 78	7809(ED)
*EPILEPSY	23,775	1945-PRESENT	18 SEP 78	
HEALTH	101,346	JAN 75-JAN 79	18 DEC 78	7901(EM)
*HISTLINE	34,156		18 DEC 78	
MEDLINE	392,863	JAN 77-JAN 79	11 DEC 78	7901(IM)
MESH VOC	14,817	1979	11 DEC 78	
*NAME AUTH	101,058	1978	26 DEC 78	
*RTECS	31,636	1978	11 SEP 78	
z SDILINE	20,922	JAN 79	11 DEC 78	
*SERLINE	31,221	1978	30 OCT 78	
*TDB	2,482		30 OCT 78	
*TOXLINE	528,860		18 DEC 78	7812(ST)
CBAC	268,579	1974-VOL 28(9)		
TOXBIB	105,435	1974-DEC 78		
IPA	29,544	1974-AUG 78		
HEEP	66,992	1974-JAN 79		
PESTAB	14,575	1974-NOV 78		
EMIC	19,093	1960-1977		
ETIC	11,600	1950-JUL 78		
*TOXBACK	379,299		06 FEB 78	
CBAC	167,668	1965-1973		
TOXBIB	127,104	1968-1973		
IPA	19,188	1970-1973		
HEEP	24,680	1971-1973		
HAPAB	12,816	1966-1973		
HAYES	10,043	1940-1966		
TMIC	4,552	1971-1975		
TERA	13,248	1960-1974		

- 1) \* = FILES AVAILABLE AT NLM ONLY.
- 2) + = CITATIONS WITH PUBLICATION YEAR OF 1976 OR EARLIER BUT ENTRY DATE OF 1977 OR 1978 ALSO INCLUDED.
- 3) THE BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

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TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference to the section of the NLM Online Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual 2.9). Users should keep in mind that the item may pertain to other sections of the Manual.

TREE ANNOTATIONS - MeSH Tree Annotations, 1979, are now available from NTIS. The Accession Number is PB-288181 and the price for paper copy is \$6.50; microfiche, \$3.50.

PHONES - Following are TYMNET telecommunications phone number additions and changes. All numbers are 30 cps unless otherwise indicated.

Additions

Newark, NJ	201/483-5937		
Newark, NJ	201/643-6659	B212A	120cps

Changes

	<u>From</u>	<u>To</u>	
Longview, TX	214/758-080]	214/758-1756	
Dallas, TX	214/688-1117	214/688-1115	B212A 120cps
Rochester, NY	716/546-1410	716/248-8000	

MEDLINE FILES - The 1979 MEDLINE files became available on December 11, 1978 as follows:

SDILINE	(Jan 79)	(Update Tag 7901)	20,022 records
MEDLINE	(Jan 77 - Jan 79)		392,863 records
BACK75	(Jan 75 - Dec 76)		642,954 records
BACK72	(Jan 72 - Dec 74)		669,109 records
BACK69	(Jan 69 - Dec 71)		668,258 records
BACK66	(Jan 66 - Dec 68)		501,802 records

- Note: (1) All citations to articles published before 1977 and/or all citations input during 1976 have been transferred from MEDLINE to BACK75.  
 (2) All files are searchable using 1979 MeSH.  
 (3) "FILE MESH is 1979 MeSH.  
 (4) Stored Hedges (e.g., MEDLARS.PSYCHASPECTS) are no longer available.

- TECHNICAL NOTES CORRECTIONS - Please make the following corrections to the November 78 Technical Notes:  
 SERLINE CHANGES (page 4), change  
 AB - DISALLOW ABSTRACT TAG DZ - DISALLOW ABSTRACT TAG
- HEALTH PLANNING & ADMIN FILE (page 5), remove  
 CY - COUNTRY PL - PLACE OF PUBLICATION
- LIST OF MONOGRAPHS INDEXED - Included with this issue is a cumulated List of Monographs Indexed for 1978 (Appendix C). A total of ninety one titles are included.

NEW ADVANCED TRAINING CURRICULUM  
 Laura Kassebaum, Online Training Coordinator, NLM

For a number of months, the National Library of Medicine has been aware of an almost consistent split in the interests of search analysts attending the Online Services Training classes. Those trainees from organizations such as research institutions, pharmaceutical companies and information brokers have a need to learn search technics for those data bases that provide information and citations in the area of toxic substances, drug testing, environmental pollution and so forth. Searchers from more traditional library settings prefer to concentrate on data bases which support acquisitions, interlibrary loan, collection building, cataloging, and educational or learning resource center activities. The numbers of persons in each of these groups (as compared with those who prefer spending at least a little time on all of the NLM data bases) have increased significantly, and the Library has therefore adjusted the training curriculum accordingly. In order to meet the needs of "most of the people most of the time", the Advanced Online Services Training classes will now include two half-day concurrent sessions which will afford trainees the choice of lectures, hands-on practice and discussion on one of the following groups of data bases:

CATLINE		Advanced CHEMLINE
SERLINE	or	TDB
AVLINE		RTECS
NAME AUTHORITY FILE		

(Trainees will make their choice shortly before attending training)

As always, the most heavily used data bases will be presented to the class as a whole. These include MEDLINE, TOXLINE and the CANCER files. Additionally, limited instruction will be provided on the newer NLM data bases including the HEALTH and BIOETHICS files. The new Advanced Training curriculum is reproduced here (Appendix A) for your information and interest as well as the proposed Online Services Training Class Schedule for 1979 (Appendix B).

SCORE MEETING REPORT

Penny Worley

Texas Medical Center Library, Houston Academy of Medicine

The Standing Committee for Online Retrieval Education (SCORE) met on November 17, 1978 at the National Library of Medicine. Major topics discussed included: (1) the SCORE CE Course on Neoplasia for Online Search Analysts; (2) CE Course on Search Optimization; (3) the User Educational Needs Profile; (4) TRP Training Session; (5) Committee membership; and (6) Future Plans.

CE Course on Neoplasia for Online Search Analysts

Ms. Ellen Nagle and Ms. Patti Corbett reported on the final draft of the syllabus for the CE course on Neoplasia for Online Search Analysts. Now being typed and prepared for final review by NLM, this course syllabus has incorporated the suggestions made when the trial course was tested in Chicago last June. Greater emphasis has been placed on data bases and searching technics and slides have been obtained to aid in the presentation of the oncology section. It is anticipated that the course will be offered by MLA at the 1979 Annual Meeting.

SCORE members expressed appreciation for the time and effort Ms. Corbett and Ms. Nagle have invested in this project, and commended them on the excellence of the neoplasia course.

CE Course on Search Optimization

Presentation of a detailed outline for the CE Course on Search Optimization was presented by Mr. Michael Homan. In the context of this course, search optimization is defined as:

A level of searcher expertise combining 1) a knowledge of the content of the data base(s) to be searched, 2) effective exploitation of retrieval programs controlling the citation on data files, 3) effective searcher-user interaction, and 4) knowledge of the telecommunications system(s) controlling the terminal computer interface.

Emphasis is to be placed on (1) ELHILL 3 refinements, including free-text searching, cost-effectiveness of pre-formulation vs. interaction with the on-line system, and stringsearch/sentencesearch capabilities and (2) searcher effectiveness, including reference interview technics, interactive searching and browsing, and search concepts identification.

It is anticipated that the course will be ready for testing by Fall 1979.

User Educational Needs Profile

Ms. Patricia O'Brien has prepared the necessary documents for requesting clearance from the Office of Management and Budget (OMB). Following clearance, the User Educational Needs Profile will be distributed after the first of the year. Completion of analysis and publication of results is anticipated for Summer 1979.

Ms. Faith Van Toll has prepared the codebook for the statistical analysis of the results of the profile. The Kentucky-Ohio-Michigan Regional Medical Library Program (Region V) with the support of Wayne State University Computing Center, is handling the computer processing of the profile.

#### TRP Training Session

The TRP Training Session was held September 18-19 at NLM and covered indexing, NLM policies and procedures, and data base changes. Following the training, TRPs have conducted update sessions in their respective regions. Responses have been received from most regions indicating that the TRP program is successful.

#### Committee Membership

Nominations for the two upcoming vacancies were solicited from RML Directors in 1978. Current SCORE members are reviewing the nominees and will make their recommendations shortly to NLM for final approval.

It was reaffirmed that SCORE is an advisory committee to the Associate Director for Library Operations, NLM. Membership on SCORE represents the network of NLM's online users rather than individual RMLs or Regions, and selection of members is in no way affected by RML affiliation or geographic location.

To assure impartiality in the order of rotation of SCORE, selection was done by random drawing. The results are as follows:

<u>Term Ending</u>	<u>SCORE Member</u>
June 1979	Michael Homan Penny Worley
June 1980	Patricia O'Brien Faith Van Toll
June 1981	Patti Corbett Ellen Nagle

Members who rotate off the Committee are in no way excluded from serving on SCORE subcommittees.

#### Future Plans

Two topics identified as potential CE Courses are (1) toxicology and (2) psychology. Work on these courses will begin following completion of current projects. Ms. O'Brien will develop the toxicology course with the assistance of Mr. Melvin Spann of Specialized Information Services, NLM. Ms. Corbett has volunteered to work on the psychology course. Ms. Nagle will investigate other formats for continuing education such as programmed texts and self-instructional aids.

Questions and comments regarding SCORE should be addressed to Ms. Laura Kassebaum, Online Training Coordinator, NLM.

AVLINE UPDATE  
Linda Kudrick, Technical Services Division, NLM

AVLINE GROWTH

At the end of November 1978, there were 6560 titles in AVLINE, representing a 36% increase over last year at this time. 81% of the titles are considered Category A (educationally designed and therefore reviewed), while 19% are Category B (lectures, congresses, grand rounds which are not reviewed). Each month, between 100 and 150 new titles are cataloged and added to the data base.

CONTENT OF AVLINE

The subject coverage of AVLINE can be determined in a very general manner by searching on the NLM Classification number assigned each title. The 6560 titles currently in AVLINE can be broken down roughly as follows:

Pre-clinical Sciences	675	10%
Clinical Medicine	4510	68%
Dentistry	550	8%
Nursing	427	7%
Hospital Administration	99	2%
Veterinary Medicine	29	.5%
History of Medicine	79	1.5%
Other	191	3%
	<u>6560</u>	<u>100%</u>

Attempts are being made to acquire more titles in the nursing and allied health areas, but it should be noted that many titles classified for clinical medicine, for instance, have application also for other audiences. Audience descriptors (MEDICAL, DENTAL, NURSING, ALLIED HEALTH) are assigned during review and if a search is done on these terms in the (RD) field, it becomes apparent that most titles are considered suitable for more than one audience.

CIP (CATALOGING IN PUBLICATION) FOR AUDIOVISUALS

An experimental Cataloging in Publication (CIP) program for audiovisuals (see February 1978 Technical Bulletin) was conducted with 11 producers from February through August 1978. During this time, the producers submitted to NLM a copy of a CIP bibliographic data form, and a surrogate of the credit frames of each planned production. Catalog cards for each title were returned to the producers for incorporation on their media. Pre-production data on 85 titles has now been received and input to AVLINE. To date, 25 completed productions containing NLM cataloging data have been received and the AVLINE records updated. Two strategies should be kept in mind for searching these CIP titles in AVLINE.

A. To retrieve titles that are still CIP records:

SS 1 /C?  
USER:  
CIP (RD)

Note: Search on Review Data (RD) field.

PROG:  
SS (1) PSTG (60)

SS 2 /C?  
USER:  
"PRT 1 TI,CA,GN,RD  
PROG:

1  
TI - Survey of the cranial nerves/N  
CA - WL 330 SC no.1 1978 (P) : 04NLM  
GN - Cataloging in publication.  
GN - Rating: Pending.  
RD - PENDING  
RD - CIP

- B. To retrieve titles that were previously CIP records, but have since been updated to full cataloging records:

SS 2 /C?  
USER:  
REV. CIP (RI)                      Note: Search on Revision Indicator (RI) field.  
PROG:  
SS (2) PSTG (25)

SS 3 /C?  
USER:  
"PRT 1 SKIP 1 TI,CA,GN,RD,RI  
PROG:

2  
TI - Ectopic pregnancy/N  
CA - WQ 220 SC no. 1 1978:04NLM  
GN - Sound accompaniment compatible for manual and automatic operation.  
GN - Includes post-test.  
GN - Rating: Pending.  
GN - Credits: David W. J. Raid... [et al.].  
RD - POST-TEST  
RD - PENDING  
RI - rev. CIP

In general, NLM considers this pilot project successful and will incorporate an expanded program in its regular workflow. Beginning in 1979, the CIP program will be available to all producers who are interested and whose materials fall within the scope of AVLINE.

NEW SERIALS ANNOUNCEMENT - NOVEMBER 1978  
 Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the right of the title indicates that the title appears in Index Medicus. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement. Information provided is not authorized NLM cataloging data. For further information, contact Ms. Betsy Humphreys, 301/496-1276, Technical Services Division, NLM.

ABORTION STATISTICS 1975-- ENGLAND. HMSO LONDON ON ORDER	ENGLAND	CEREBRAL EVOKED POTENTIALS 1978-- BRAIN INFORMATION SERVICE LOS ANGELES IN PROCESS	UNITED STATES
ADVANCES IN PSYCHOLOGY 1,1979-- NORTH HOLLAND AMSTERDAM ON ORDER	NETHERLANDS	CLINICAL BEHAVIOR THERAPY REVIEW 1,1979-- HAWORTH PRESS NEW YORK ON ORDER	UNITED STATES
AKTUELLE ERNAHRUNGSMEDIZIN. SUPPLEMENTHEFT 1,1977-- THIEME CALLED ALSO: AKTUELLE ERNAHRUNGSMEDIZIN IN KLINIK UND PRAXIS. SUPPLEMENTHEFT. STUTTGART IN PROCESS	GERMANY, WEST	CLINICAL CARDIOLOGY 1,APR 1978-- G WITZSTROCK NEW YORK ON ORDER-UCLA	UNITED STATES
ALIPHATIC AND RELATED NATURAL PRODUCT CHEMISTRY 1,1978-- CHEMICAL SOCIETY CONTINUES IN PART ALIPHATIC CHEMISTRY. LONDON ON ORDER	ENGLAND	COLLANA DI SCIENZE FARMACEUTICHE E FARMACOLOGICHE 1,1978-- PATRON EDITORE BOLOGNA IN PROCESS	ITALY
APPLIED METHODS IN ONCOLOGY 1,1978-- ELSEVIER/NORTH-HOLLAND BIOMEDICAL PRESS CATALOGING IN PUBLICATION. AMSTERDAM ON ORDER-CIP	NETHERLANDS	IM CONTEMPORARY ANESTHESIA PRACTICE 1,1978-- F. A. DAVIS SUPERSEDES CLINICAL ANESTHESIA. PHILADELPHIA ON ORDER	UNITED STATES
BEITRAEGE ZUR INFUSIONSTHERAPIE UND KLINISCHEN ERNAHRUNG 1,1978-- KARGER LAUSANNE ON ORDER	SWITZERLAND	CONTROLLED CLINICAL TRIALS 1,1979-- ELSEVIER-NORTH HOLLAND NEW YORK ON ORDER-UCLA	UNITED STATES
BIOMETRIE HUMAINE 12,N2-4,1977-- SOCIETE DE BIOMETRIE HUMAINE CONTINUES REVUE DE LA SOCIETE DE BIOMETRIE HUMAINE PARIS IN PROCESS	FRANCE	CURRENT CONCEPTS IN TRAUMA CARE 1,1977-- PROFESSIONAL COMMUNICATIONS ASSOCIATES CHICAGO PROFESSIONAL COMMUNICATIONS ASSOCIATES, 625 NORTH MICHIGAN AVE., CHICAGO, IL. 60611 ON ORDER	UNITED STATES
BOLLETTINO DELL ANNO - CIRM 1,1977-- CENTRO INTERNAZIONALE RADIO-MEDICO CONTINUES BOLLETTINO ANNUALE ROME IN PROCESS	ITALY	CYTOBIOLOGISCHE REVUE. CYTOBIOLOGICAL REVIEW 1,1977-- OTT THUN ON ORDER	GERMANY, WEST

NLM TECHNICAL BULLETIN - DEC 78

EARLY SOURCES IN APHASIA AND RELATED DISORDERS 1,1977-- MOUTON PUBLISHERS THE HAGUE IN PROCESS	NETHERLANDS	HEALTH AND POPULATION - PERSPECTIVES AND ISSUES INI,1978-- FORMED BY THE UNION OF NIHAE BULLETIN AND THE JOURNAL OF POPULATION RESEARCH NEW DELHI INDIA DEPARTMENT OF COMMUNICATION, NATIONAL INSTITUTE OF HEALTH AND FAMILY WELFARE, DELHI, INDIA IN PROCESS
ENKEPHALIN: ENDOGENOUS MORPHINOMIMETIC LIGANDS AND OPIATE RECEPTORS IN THE CENTRAL NERVOUS SYSTEM 1976-- BRAIN INFORMATION SERVICE, UCLA LOS ANGELES IN PROCESS	UNITED STATES	HILLSIDE JOURNAL OF CLINICAL PSYCHIATRY 1,1979-- INTERNATIONAL UNIVERSITIES PRESS CONTINUES IN PART JOURNAL OF HILLSIDE HOSPITAL. NEW YORK ON ORDER
ENZYME AND MICROBIAL TECHNOLOGY 1,1979-- IPC SCIENCE AND TECHNOLOGY PRESS LONDON ON ORDER	ENGLAND	HOME HEALTH CARE SERVICES QUARTERLY 1,1979-- HAWORTH PRESS NEW YORK ON ORDER
EXTRACTA UROLOGICA 1,1978-- ACRON - VERLAG BOLSCHAKOFF BERLIN ON ORDER	GERMANY, WEST	HUMAN SEXUALITY UPDATE 1,SEPT1978-- HAWORTH PRESS NEW YORK ON ORDER
EXTRACTA UROLOGICA. EXTRA-BEILAGE 1,1978-- ACRON-VERLAG BOLSCHAKOFF BERLIN ON ORDER	GERMANY, WEST	INDIAN JOURNAL OF VETERINARY PATHOLOGY 1,1976-- INDIAN ASSOCIATION OF VETERINARY PATHOLOGISTS IZATNAGAR IN PROCESS
GEKA SHOREI. JOURNAL OF SURGICAL CASE REPORT INI,JUN,1977-- TOKYO IN PROCESS	JAPAN	INTERNATIONAL CONGRESS AND SYMPOSIUM SERIES - ROYAL SOCIETY OF MEDICINE 1,1978-- ACADEMIC PRESS LONDON ON ORDER
GENERAL AND SYNTHETIC METHODS 1,1978-- CHEMICAL SOCIETY CONTINUES IN PART SATURATED HETEROCYCLIC CHEMISTRY AND ALIPHATIC CHEMISTRY. LONDON ON ORDER	ENGLAND	INTERNATIONAL DIRECTORY OF BIOMEDICAL ENGINEERS 1978-- ALLIANCE FOR ENGINEERING IN MEDICINE AND BIOLOGY BETHESDA, MD ON ORDER - CIP
GROSSE SCRIPTA 1,1977-- GROSSE VERLAG BERLIN WI GR791S	GERMANY, WEST	INTERNATIONAL JOURNAL OF INVERTEBRATE REPRODUCTION 1,1979-- ELSEVIER AMSTERDAM ON ORDER
GYNAEKOLOGISCHE PRAXIS 1,1977-- HANS MARSEILLE VERLAG MUNCHEN WI GY555I	GERMANY, WEST	JONCTIONS DES PROFESSIONS SANITAIRES ET SOCIALES N29,1978-- EXPANSION SCIENTIFIQUE CONTINUES JONCTION PARIS IN PROCESS
HANDCHIRURGISCHE TASCHENBUECHER 1,1977-- VERLAG DR. MED D STRAUBE ERLANGEN IN PROCESS	GERMANY, WEST	JOURNAL OF AFFECTIVE DISORDERS 1978-- ELSEVIER/NORTH HOLLAND AMSTERDAM ON ORDER
HEAD AND NECK SURGERY 1,SEPT1978-- HOUGHTON MIFFLIN BOSTON ON ORDER	UNITED STATES	



JOURNAL OF THE AMERICAN ACADEMY OF  
DERMATOLOGY  
1, JUL 1979--  
MOSBY  
ST. LOUIS UNITED STATES  
ON ORDER

JOURNAL OF BLACK PSYCHOLOGY  
1, 1974--  
ASSOCIATION OF BLACK PSYCHOLOGISTS  
WASHINGTON UNITED STATES  
P O BOX 2929, WASHINGTON, D.C. 20002  
ON ORDER

JOURNAL OF CLINICAL NEUROPSYCHOLOGY  
1, MAR, 1979--  
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ON ORDER

JOURNAL OF IMMUNOPHARMACOLOGY  
1, 1979--  
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1, 1979--  
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1, 1976--  
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MONTPELLIER FRANCE  
IN PROCESS

KARIOLOGIJA I GENETIKA PROSTEITSHIKH  
1, 1976--  
IZDATELVSTVO NAUKA  
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MUSIC PSYCHOLOGY INDEX  
2, 1978--  
INSTITUTE FOR THERAPEUTICS RESEARCH  
DENTON, TX UNITED STATES  
ON ORDER

NASIONALE REGISTER VAN NAVORSINGS-PROJEKTE.  
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10, 1975--  
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NEUROPEDIATRIA  
1, 1975--  
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IN PROCESS

NEW AFRICAN YEARBOOK  
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FRANKLIN WATTS  
NEW YORK UNITED STATES  
ON ORDER

NEW JERSEY NURSE  
8, N1, 1978--  
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CONTINUES NJSNA NEWSLETTER  
HIGHLAND PARK NJ UNITED STATES  
ON ORDER

NEW MEDICINE  
1, 1979--  
EAST-WEST MEDICAL CENTER  
GREAT FALL, MT. UNITED STATES  
ON ORDER

OUTLOOK ON SCIENCE POLICY  
1, JUN 1978--  
ELSEVIER SEQUOIA  
LAUSANNE SWITZERLAND  
ON ORDER

P AND S JOURNAL  
23 N2, 1978--  
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NEW YORK UNITED STATES  
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1, 1977--  
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PCSO BULLETIN  
50N15, 1978--  
PACIFIC COAST SOCIETY OF ORTHODONTISTS  
CONTINUES BULLETIN OF THE PACIFIC COAST  
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POSTGRADUATE DENTAL HANDBOOK SERIES  
1, 1978--  
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- IM PROCEEDINGS - ROYAL SOCIETY OF EDINBURGH.  
SECTION B: BIOLOGICAL SCIENCES  
76, SEPT 1978--  
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CAPTION TITLE: PROCEEDINGS OF THE ROYAL  
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W1 PR587PS
- PUBLICATION OF THE HANNAH INSTITUTE FOR THE  
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1,1977--  
HANNAH INSTITUTE FOR THE HISTORY OF MEDICINE  
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- RECENT ADVANCES IN NUCLEAR MEDICINE  
5,1978--  
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CONTINUES PROGRESS IN ATOMIC MEDICINE.  
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- RECENT ADVANCES IN RADIOLOGY AND MEDICAL  
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T. LODGE AND R. E. STEINER. CATALOGING IN  
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- RESEARCH AND STATISTICS NOTE  
N1, JUNE 1978--  
U.S. HEALTH CARE FINANCING ADMINISTRATION  
WASHINGTON UNITED STATES  
IN PROCESS
- RESIDENTIAL AND COMMUNITY CHILD CARE  
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ON ORDER
- SCHOOL SOCIAL WORK QUARTERLY  
1,1979--  
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- SEMINARS UN NEUROLOGICAL SURGERY  
1, 1978--  
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- SENSUS KOMMUNIKATION  
1,1977--  
VERLAG FUR HUMANISTISCHE PSYCHOLOGIE WERNER  
FLACH  
FRANKFURT AM MAIN GERMANY, WEST  
ON ORDER
- SEXUALLY TRANSMITTED DISEASE (STD)  
STATISTICAL LETTER  
N127,1978--  
U.S. DHEW. CENTER FOR DISEASE CONTROL  
CONTINUES VD STATISTICAL LETTER  
ATLANTA UNITED STATES  
IN PROCESS
- SHOKAKI TO MENEKI. DIGESTIVE ORGAN AND  
IMMUNOLOGY  
N1,AUG,1978--  
ISHIYAKU SHUPPAN KABUSHIKI KAISHA  
TOKYO JAPAN  
IN PROCESS
- SNIPES JOURNAL  
1,1978--  
SOCIETY FOR THE NATIONAL INSTITUTES OF  
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INSTITUTES OF PHYSICAL EDUCATIONS AND  
SPORTS.  
PATIALA INDIA  
W1 S49
- TENNESSEE PATHOLOGIST  
1,1979--  
ON ORDER UNITED STATES
- IM THROMBOSIS AND HAEMOSTASIS. SUPPLEMENTUM  
63,1978--  
FK SHCATTAUER VERLAG  
CONTINUES THROMBOSIS ET DIATHESIS  
HAEMORRHAGICA. SUPPLEMENTUM  
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ON ORDER
- TIDSSKRIFT FOR PRAKTISERENDE TANDTEKNIKERE  
43N1,1977--  
CONTINUES TANDTEKNIKEREN  
SILKEBORG DENMARK  
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LIST OF MONOGRAPHS INDEXED  
JANUARY 1979

I

**International Cardiovascular Congress, 1st, Scottsdale, Ariz., 1977.** Noninvasive cardiovascular diagnosis : current concepts / edited by Edward B. Diethrich. — Baltimore : University Park Press, c1978. xxi, 524 p. : ill. Sponsored by the Arizona Heart Institute.  
1. Cardiovascular Diseases - diagnosis - congresses  
I. Diethrich, Edward B., 1935- ed. II. Arizona Heart Institute. III. Title  
ISBN 0-8391-1166-5 LC: 78-6169  
04NLM: W3 IN1263 1st 1977n  
OXNLM: [WG 141 I61 1977n]  
IM Cit. No. 7801811 (rev. CIP.)  
Price: 39.50

**International Symposium on Stable Isotopes, Royal Postgraduate Medical School, 1977.** Stable isotopes : applications in pharmacology, toxicology, and clinical research : proceedings ... / edited by T. A. Baillie. — Baltimore : University Park Press, c1978. xiii, 314 p. : ill. Sponsored by the British Pharmacological Society.  
1. Isotopes - congresses 2. Pharmacology - congresses 3. Research - congresses I. Baillie, T. A., ed. II. British Pharmacological Society.  
III. Title  
ISBN 0-8391-1234-3 LC: 77-28195  
04NLM: QV 20.5 I61s 1978  
IM Cit. No. 7800086 (rev. CIP.)

M

**Mutagen-induced chromosome damage in man /** edited by H. J. Evans and D. C. Lloyd. — Edinburgh : University Press, c1978. xi, 355 p. : ill. Papers presented at a meeting jointly organized by the Medical Research Council and the National Radiological Protection Board and held July 7-8, 1977 at the MRC Clinical and Population Cytogenetics Unit in Edinburgh. Includes bibliographies.  
1. Chromosome Aberrations - congresses 2. Chromosomes - drug effects - congresses 3. Cytogenetics - congresses 4. Dose-Response Relationship, Radiation - congresses 5. Mutagens - congresses 6. Radiation Injuries - congresses I. Evans, H. J., ed. II. Lloyd, D. C., ed. III. Medical Research Council (Gt. Brit.) Clinical and Population Cytogenetics Unit. IV. Medical Research Council (Gt. Brit.). V. National Radiological Protection Board. VI. Title: Meeting on mutagen-induced chromosome damage in man  
ISBN 0-85224-328-6  
04NLM: QH 462.A1 M992 1977  
IM Cit. No. 7807122

S

**Symposium on Importance of Calcium as a Primary Locus of Drug Action, Chicago, 1977.** Calcium in drug action / edited by George B. Weiss. — New York : Plenum Press, c1978. ix, 366 p. : ill. Expansion of the proceedings of the symposium held during the meeting of the Federation of American Societies for Experimental Biology in Chicago, April, 1977.  
1. Calcium - pharmacodynamics - congresses 2. Calcium - physiology - congresses 3. Drug Interactions - congresses I. Weiss, George B., ed. II. Federation of American Societies for Experimental Biology. III. Title  
ISBN 0-306-40015-4 LC: 78-8517  
04NLM: QV 276 S989c 1977  
IM Cit. No. 7802792 (rev. CIP.)

NATIONAL LIBRARY OF MEDICINE  
ADVANCED ON-LINE SERVICES TRAINING

AGENDA

TRAINING ROOM A-LEVEL

MONDAY

I. SYSTEM OVERVIEW

- |               |  |
|---------------|--|
| 8:30 - 9:00   | A. Review of Basic Commands and Program Messages |
| 9:00 - 10:00  | B. Advanced Commands                             |
| 10:15 - 11:15 | C. Stringsearch/Sentencesearch                   |
| 11:15 - 12:30 | D. OFFSEARCH & STORESEARCH                       |

II. BIOMEDICAL CONCEPT

- |             |   |
|-------------|---|
|             | A. Controlled Vocabulary/Freetext searching |
| 1:30 - 2:00 | (i) Textracting/"NBR/truncation             |
| 2:00 - 3:00 | (ii) Mapping of MeSH descriptions           |
| 3:00 - 5:00 | (iii) MeSH                                  |

TUESDAY

II. BIOMEDICAL CONCEPT (continued)

- |               |                                   |
|---------------|-----------------------------------|
|               | B. Search Formulation (Session 1) |
| 8:30 - 9:00   | (i) Group Formulation/Exercises   |
| 9:00 - 10:45  | (ii) Supervised Hands-On Session  |
| 10:45 - 11:30 | (iii) Discussion Period           |

III. MEDLINE

- |              |                     |
|--------------|---------------------|
| 12:30 - 2:45 | A. Lecture          |
| 2:45 - 4:15  | B. Hands-On Session |
| 4:15 - 5:00  | C. Discussion       |

WEDNESDAY

IV. TOXICOLOGY/CHEMISTRY

- 8:30 - 9:15 A. TOXLINE
- 9:15 - 9:45 B. CHEMLINE
- 9:45 - 12:00 C. Category D

V. CANCERLINE

- 1:00 - 2:30 A. Lecture
- 2:30 - 4:15 B. Supervised Hands-On Session
- 4:15 - 5:00 C. Discussion

THURSDAY

VI. SEARCH FORMULATION

- 8:30 - 9:00 A. Group formulation/Exercises
- 9:00 - 10:45 B. Supervised Hands-On Session
- 10:45 - 12:00 C. Discussion

VII. CONCURRENT SESSIONS

- A. Technical Services Files
  - 1:00 - 2:00 (i) SERLINE
  - 2:00 - 5:00 (ii) CATLINE/AVLINE/NAF
- OR
- B. Advanced CHEMLINE/TOXICOLOGY
  - 1:00 - 2:00 (i) Advanced CHEMLINE
  - 2:00 - 3:00 (ii) RTECS
  - 3:00 - 5:00 (iii) TDB

FRIDAY

VII. CONCURRENT HANDS-ON SESSIONS

8:30 - 12:00 A. Technical Services Files

or

8:30 - 12:00 B. Chemical/Toxicology Files

IX. SPECIALIZED DATA BASES

1:00 - 3:00 A. Bioethics/Health Administration & Planning/  
HISTLINE/EPILEPSYLINE

3:00 - 4:15 B. Hands-On Session

X. ADMINISTRATIVE MATTERS/Q & A/CLOSING

4:15 - 5:00

LIST OF MONOGRAPHS INDEXED

1978

A

**Alfred Benzon Symposium**, 10th, Copenhagen, 1976. Drug design and adverse reactions : **proceedings** of the Alfred Benzon Symposium X, held at the premises of the World Health Organization, Regional Office for Europe, Copenhagen 17-20 May 1976 / edited by Hans Bundgaard, Per Juul, Helmer Kofod. — Copenhagen : Munksgaard ; New York : Academic Press, c1977. 382 p. : ill., ports. — (Scandinavian university books) ISBN 0-12-141150-8 (Academic Press).  
1. Chemistry, Pharmaceutical - congresses 2. Drug Screening - congresses 3. Toxicology I. Bundgaard, Hans, ed. II. Juul, Per, ed. III. Kofod, Helmer, ed. IV. World Health Organization. Regional Office for Europe. V. Title  
ISBN 0-12-141150-8 LC: 77-81404  
04NLM: W3 AL36 1976d  
OXNLM: [QV 771 A392 1976d]  
IM at. No. 7802344

**Ambulatory medical care quality assurance, 1977 : issues, directions, and applications :** proceedings of the conference, March 31 and April 1, 1977, San Francisco, California / Gerald A. Giebink and Nicole H. White, editors, Edyth S. Short, associate editor. — La Jolla, Calif. : La Jolla Health Science Publications, 1977. xiii, 181 p. : ill. Sponsored by the Health Care Management Systems, inc.  
1. Ambulatory Care - congresses 2. Quality of Health Care - U. S. - congresses I. Giebink, Gerald A., ed. II. Short, Edyth S., ed. III. White, Nicole H., ed. IV. Health Care Management Systems, inc. V. Title: Conference on ambulatory medical care quality assurance, 1977  
LC: 77-85115  
04NLM: WX 205 A495 1977  
IM Cit. No. 7800895

An **American Conference on Care of the Elderly**, Washington, D. C., 1976. Care of the elderly : meeting the challenge of dependency : proceedings of a conference / sponsored jointly by the Institute of Medicine, National Academy of Medicine [i.e. Sciences], Washington, D. C., the Royal Society of Medicine and the Royal Society of Medicine Foundation Inc., held at the National Academy of Sciences, Washington, D. C., U. S. A., 17-19 May, 1976 / edited by A. N. Exton-Smith and J. Grimley Evans. — London : Academic Press ; New York : Grune & Stratton, 1977. 312 p. : ill.  
1. Geriatrics - congresses 2. Health and Welfare Planning - U. S. - congresses 3. Health and Welfare Planning - Gt. Brit. - congresses I. Evans, J. Grimley, ed. II. Exton-Smith, A. N., ed. III. Institute of Medicine, Washington, D. C. IV. Royal Society of Medicine Foundation. V. Royal Society of Medicine. VI. Title  
ISBN 0-12-244950 LC: 77-71797  
04NLM: WT 30 A589c 1976  
IM Cit. No. 7708367

**Anorexia nervosa** / edited by Robert A. Vigersky. — New York : Raven Press, c1977. xvi, 392 p. : ill. — (Monograph of the National Institute of Child Health and Human Development) Papers from a conference held on October 13-15, 1976 at the National Institutes of Health.  
1. Anorexia Nervosa - congresses I. Vigersky, Robert A., 1947- ed. II. National Institutes of Health. III. Title: Conference on anorexia nervosa IV. Series ISBN 0-89004-185-7 LC: 76-57005  
04NLM: WM 174 A615 1976  
IM Cit. No. 7702253 (rev. CIP)

**Approaches to the cell biology of neurons** / editors, W. Maxwell Cowan, James A. Ferrendelli, assistant editor, Gerry Gurvitch. — Bethesda, Md. : Society for Neuroscience, c1977. 461 p. : ill. — (Society for Neuroscience symposia ; v. 2) Papers presented at five symposia during the 6th annual meeting of the Society for Neuroscience, held in Toronto, 1976.  
1. Neurons - congresses 2. Neurophysiology - congresses I. Cowan, W. Maxwell, ed. II. Ferrendelli, James A., 1936- ed. III. Society for Neuroscience. IV. Series ISBN 0-916110-04-4 LC: 75-27110

04NLM: W3 SO59N v.2 1976  
OXNLM: [WL 1025 A652 1976]  
IM Cit. No. 7803826

**Artificial organs** : proceedings of a seminar on the clinical applications of membrane oxygenators and sorbent-based systems in kidney and liver failure and drug overdose, held at the University of Strathclyde, Glasgow, in August 1976 / edited by R. M. Kenedi ... [et al], editorial associate, Susan M. Gerard. — Baltimore : University Park Press, c1976. xxviii, 450 p. : ill. — (Strathclyde bioengineering seminars)  
1. Adsorption - congresses 2. Hemodialysis - congresses 3. Kidney, Artificial - congresses 4. Liver - congresses 5. Oxygenators, Membrane - congresses 6. Poisoning I. Kenedi, Robert Maximilian, ed. II. University of Strathclyde. III. Title: Seminar on artificial organs IV. Series ISBN 0-8391-0999-7 LC: 76-58343  
04NLM: WO 176 A791 1976  
IM Cit. No. 7800302

**Biological aspects of inorganic chemistry** / edited by the Bioinorganic Group, A. W. Addison ... [et al.], Department of Chemistry, the University of British Columbia, Vancouver, Canada. — New York : Wiley, c1977. viii, 410 p. : ill. — (Wiley-Interscience publication) Papers presented at a symposium on the biological aspects of inorganic chemistry, June 20-25, 1976, organized by the Bioinorganic Group of the University of British Columbia.  
1. Biochemistry - congresses 2. Chemistry - congresses I. Addison, A. W., ed. II. University of British Columbia. Bioinorganic Group. III. Title: Symposium on the biological aspects of inorganic chemistry ISBN 0-471-02147-4 LC: 76-44225  
04NLM: QD 1512 B615 1976  
IM Cit. No. 7611265 (rev. CIP)

**Brain and heart infarct** / editors, K. J. Zülch ... [et al.] ; with contributions by N. Battistini ... [et al.]. — Berlin : New York : Springer-Verlag, 1977. xx, 349 p. : ill. Proceedings of a symposium held in Cologne, 1976.  
1. Cerebrovascular Disorders - etiology - congresses 2. Myocardial Infarct - etiology - congresses I. Battistini, N. II. Zülch, Klaus Joachim, 1910- ed. III. Title: Symposium on brain and heart infarct ISBN 0-387-08270-0 LC: 77-8814  
04NLM: WL 355 B814 1976  
IM Cit. No. 7703858 (rev. CIP)

**Brain : fetal and infant : current research on normal and abnormal development** / edited by Samuel R. Berenberg. — The Hague : Nijhoff/Medical Division, 1977. xiv, 349 p. : ill. Based on the proceedings of a conference held under the auspices of the Josiah Macy Jr. Foundation and the International Children's Center in Paris, Dec. 14-16, 1976. Conference dedicated to the memory of Dr. Nathalie Masse.  
1. Brain Diseases - in infancy & childhood - congresses 2. Brain - embryology - congresses 3. Brain - growth & development - congresses I. Berenberg, Samuel Righter, 1910- ed. II. Masse, Nathalie P. III. International Children's Centre, Paris. IV. Josiah Macy, Jr. Foundation. V. Title: Conference on brain : fetal and infant ISBN 90-247-2022-2  
04NLM: WS 340 B813 1976  
IM Cit. No. 7803668

**Breast carcinoma : the radiologist's expanded role** / [edited by] Wende Westinghouse Logan. — New York : Wiley, 1977. xv, 378 p. : M. — (A Wiley medical publication) Most of the chapters were presented at a conference held in Oct. 1976 at Roswell Park Memorial Institute, Buffalo.  
1. Breast Neoplasms - diagnosis - congresses 2. Mammography - congresses 3. Thermography - congresses I. Logan, Wende Westinghouse, 1935- ed. II. Roswell Park Memorial Institute, Buffalo. III. Title: Conference on breast carcinoma : the radiologist's expanded role ISBN 0-471-03023-6 LC: 77-13047  
04NLM: WP 870 B8278 1976  
IM Cit. No. 7706544 (rev. CIP)

**British Lithium Congress, 1st, University of Lancaster, 1977.** Lithium in medical practice / edited by F. Neil Johnson and Susan Johnson. — Lancaster : MTP, c1978. xvii, 459 p. : ill.  
1. Lithium - pharmacodynamics - congresses 2. Lithium - therapeutic use - congresses I. Johnson, Frederick Neil, ed. II. Johnson, Susan, ed. III. University of Lancaster. IV. Title ISBN 0-85200-183-5  
04NLM: W3 BR447 1st 1977L  
OXNLM: [QV 77.9 B862 1977L]  
IM Cit. No. 7804833

C

**Cell, tissue, and organ cultures in neurobiology** / edited by S. Fedoroff, L. Hertz. — New York : Academic Press, 1977. xiv, 693 p. : ill. Proceedings of the international workshop on cell, tissue, and organ cultures in neurobiology, held at the University of Saskatchewan, Saskatoon, Canada, March, 1977.  
1. Neurology - congresses 2. Tissue Culture - congresses I. Fedoroff, Sergey, ed. II. Hertz, Leif, ed. III. University of Saskatchewan. IV. Title: International workshop on cell, tissue, and organ cultures ISBN 0-12-250450-X LC: 77-21066  
04NLM: QS 532.5.N3 C393 1977 Gt. No. 7707269 (rev. CIP)

**Centrally acting peptides** / edited by J. Hughes. — Baltimore : University Park Press, 1978. x, 259 p. : ill. Papers presented at a symposium held on the 4-5th April, 1977 at the Middlesex Hospital Medical School and organized by the Co-ordinating Committee for Symposia on Drug Action of the Biological Council.  
1. Behavior - drug effects - congresses 2. Neurohumors - metabolism - congresses 3. Peptides - metabolism - congresses I. Hughes, John, ed. II. Biological Council. Co-ordinating Committee for Symposia on Drug Action. III. Title: Symposium on centrally acting peptides ISBN 0-8391-1202-5 LC: 77-18286  
04NLM: QU 68 C397 1977  
IM Cit. No. 7708190 (rev. CIP)

**Chemoreception in the carotid body** / edited by H. Acker ... [et al.]. — Berlin : New York : Springer-Verlag, 1977. xiv, 296 p. : ill. Papers from an international workshop held at the Max-Planck-Institut für Systemphysiologie, Dortmund, Germany, in 1976, and sponsored by Max-Planck-Gesellschaft zur Förderung der Wissenschaften und Deutsche Forschungsgemeinschaft.  
1. Carotid Body - physiology - congresses 2. Chemoreceptors - congresses I. Acker, Helmut, ed. II. Deutsche Forschungsgemeinschaft. III. Max-Planck-Gesellschaft zur Förderung der Wissenschaften. IV. Title: International workshop on chemoreception in the carotid body ISBN 0-387-08455-X LC: 77-13691  
04NLM: WL 102.9 C517 1976  
IM Cit. No. 7802322

**Colloquium on Oxygen and Physiological Function**, Durham, N. C., 1976. Oxygen & physiological function : proceedings ... / edited by Frans F. Jobsis. — Dallas : Professional Information Library, c1977. 550 p. : ill. Colloquium organized by the American Physiological Society in collaboration with the American Society of Biological Chemists and other societies. Presents a series of articles based on presentations during a five day colloquium at the spring 1976 meeting of the Federation of Societies for Experimental Biology.  
1. Oxygen - congresses I. Jobsis, Frans F., ed. II. American Physiological Society (Founded 1887). III. American Society of Biological Chemists. IV. Federation of American Societies for Experimental Biology. V. Title LC: 76-52190  
04NLM: QV 312 C714o 1976  
IM at. No. 7803753

**Conference on Mycotoxins in Human and Animal Health**, College Park, Md., 1976. Mycotoxins in human and animal health : proceedings of a conference ... conducted by United States-Japan Cooperative Programs on Natural Resources, Panel on Toxic Micro-Organisms,



in cooperation with the University of Maryland University College Conference and Institutes Division : edited by Joseph V. Rodricks, Clifford W. Hesselstine, Myron A. Mehlmán. — Park Forest South, Ill. : Pathotox Publishers, 1977. xvii, 807 p. : ill. Funded by Grant no. 1R13 FD-00814-01 Food and Drug Administration, DHEW, Grant no. 1R13 CA-20729-01 National Cancer Institute, DHEW, National Institutes of Environmental Health Sciences, and U. S. Dept. of Agriculture. Includes bibliographies.

I. Mycotoxins - congresses I. Hesselstine, Clifford W., ed. II. Mehlmán, Myron A., ed. III. Rodricks, Joseph V., 1938- ed. IV. National Cancer Institute. V. U. S. Food and Drug Administration. VI. United States-Japan Cooperative Programs on Natural Resources. Panel on Toxic Micro-Organisms. VII. Title  
ISBN 0-930376-00-5 LC: 77-82886  
04NLM: QW 630 C748m 1976  
IM Cit. No. 7801996

Conference on Nutrition and Human Reproduction, National Institutes of Health, 1977. Nutrition and human reproduction / edited by W. Henry Mosley. — New York : Plenum Press, c1978. ix, 515 p. : ill. Conference organized by the National Institute of Child Health and Human Development.

1. Breast Feeding - congresses 2. Endocrine Glands - physiology - congresses 3. Fertility - congresses 4. Infant Mortality - congresses 5. Models, Biological - congresses 6. Nutrition Disorders - congresses 7. Nutrition - congresses 8. Reproduction - congresses I. Mosley, Wiley Henry, 1933- ed. II. National Institute of Child Health and Human Development. III. Title  
ISBN 0-306-31122-4 LC: 77-28738  
04NLM: WP 565 C746n 1977  
IM Cit. No. 7708559 (rev. CIP.)

Conference on the Chemistry and Biology of Thrombin, Mayo Clinic, Rochester, Minn., 1977. Chemistry and biology of thrombin / edited by Roger L. Lundblad, John W. Fenton, II, Kenneth G. Mann. — Ann Arbor : Ann Arbor Science, C1977. xii, 564 p. : ill. Includes bibliographies.

1. Thrombin - congresses I. Fenton, John W., ed. II. Lundblad, Roger L., ed. III. Mann, Kenneth G., ed. IV. Title  
ISBN 0-250-40160-6 LC: 77-076907  
04NLM: WH 310 C748c 1977  
IM Cit. No. 7708369

Coventry Conference, 4th, Warwickshire Postgraduate Medical Centre, 1977. Trauma of the chest : the Coventry Conference / edited by W. G. Williams and R. E. Smith. — Bristol, Eng. : Wright, 1977. xi, 266 p. : ill.

1. Thoracic Injuries - congresses I. Smith, Ronald Edward. II. Williams, William Gilbert, ed. III. Warwickshire Postgraduate Medical Centre, Coventry, Eng. IV. Title  
ISBN 0-7236-0484-3 LC: 77-677338  
04NLM: W3 C09999 1977t  
OXNLM: [WF 985 C873 1977t]  
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 2. Brain Damage, Chronic - prevention & control - congresses  
 3. Brain - embryology - congresses  
 4. Brain - growth & development - congresses  
 5. Fetal Anoxia - complications - congresses  
 6. Infant, Newborn - congresses  
 7. Infant, Newborn, Diseases - diagnosis - congresses I. Gluck, Louis, 1924- ed. II. Johnson & Johnson Institute for Pediatric Service. III. University of California, San Diego. Dept of Pediatrics.  
 ISBN 0-8151-3711-7 LC: 76-50319  
 04NLM: WQ 210 I599 1977  
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**Association, London, 18-20 April, 1977.** — London ; New York : Mechanical Engineering Publications Ltd. for the Institution of Mechanical Engineers, c1977. 136 p. : ill. — (I Mech E conference publications ; 1977-5)  
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 IM Cit. No. 7801589

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 2. Liver Cirrhosis - complications - congresses  
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 ISBN 0-444-00240-5 LC: 77-14929  
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 04NLM: WL 314 L733L 1976  
 IM at No. 7800530 (rev. CIP.)

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 2. Gastrointestinal Neoplasms - congresses I. Abell, Murray R., 1920- ed. II. Morson, Basil C., ed. III. Yardley, John H., ed. IV. International Academy of Pathology. United States-Canadian Division. V. Title VI. Series  
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 3. Population Dynamics - congresses  
 4. Social Change - congresses I. Greene, Lawrence S., ed. II. American Association for the Advancement of Science. III. Title: Symposium on malnutrition, behavior, and social organization  
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 IM Cit. No. 7801265

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 IM Cit. I (03555)

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 2. DNA, Recombinant - congresses  
 3. Genetics, Biochemical - congresses I. Abelson, John, ed. II. Fox, C. Fred, ed. III. Wilcox, Gary, ed. IV. Title: Eucaryotic genetic systems V. Series  
 ISBN 0-12-715550-X LC: 77-10829  
 04NLM: W3 I322 v.8 1977  
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 2. Genetics, Human - congresses I. Comings, David E., ed. II. Fox, C. Fred, ed. III. Sparkes, Robert W., ed. IV. Title: Symposium on molecular human cytogenetics V. Series  
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 1. Molecular Biology - congresses  
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 04NLM: W3 SY1056 v.1 1978  
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 IM Cit. No. 7800372 (rev. CIP.)

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 2. Neurophysiology - congresses  
 3. Physical Therapy - congresses I. Korr, Irwin M., ed. II. Kellogg Center for Continuing Education. III. Title:



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 04NLM: WB 535 N494 1977  
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**P**

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 1. Pain - congresses 2. Tooth - innervation - congresses 3. Toothache - congresses 4. Trigeminal Nerve - congresses 5. Trigeminal Neuralgia - congresses I. Anderson, Declan John, ed. II. Matthews, Bruce, ed. III. International Congress of Physiological Sciences, 27th, Paris, 1977. IV. University of Bristol. Dept. of Physiology.  
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 1. Cells, Cultured - congresses 2. Genetic Intervention - congresses 3. Islands of Langerhans - cytology - congresses 4. Islands of Langerhans - secretion - congresses I. Chick, W. L., 1938- ed. II. Wasielewski, E. von, ed. III. Title: Workshop conference on pancreatic beta cell culture IV. Series V. Series: Workshop Conferences Hoechst ; v. 5  
 ISBN 0-444-15262-8 LC: 77-3466  
 04NLM: W3 EX89 no.408 1976  
 11CLA,OXNLM: [WK 801 P188 1976]  
 IM Cit. No. 7701663 (rev. CIP.)

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 04NLM: W3 EX89 no.421 1977  
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 IM Cit. No. 7707306 (rev. CIP.)

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 1. Parkinsonism - congresses I. Korf, J., ed. II. Lakke, J. P. W. F., ed. III. Wesseling, H., ed. IV. Rijksuniversiteit te Groningen. V. Title: Symposium on Parkinson's disease VI. Series  
 ISBN 0-444-90006-3 LC: 77-21879  
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 1. Arthritis, Rheumatoid - drug therapy - congresses 2. Penicillamine - therapeutic use - congresses 3. Penicillamine - pharmacodynamics - congresses I. Munthe, Eimar, ed. II. Ligue europeene contre le rhumatisme. Standing Committee on International Clinical Studies. III. Title IV. Title: Penicillamine in rheumatic diseases  
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 IM Cit. No. 7802927

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 ISBN 0-632-00336-7 LC: 77-677095  
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 IM Cit. No. 7800855

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 1. Breast Neoplasms - congresses 2. **Progestational Hormones, Synthetic** - diagnostic use - congresses 3. Receptors, Estrogen - analysis - congresses 4. Receptors, Progesterone - analysis - congresses 5. Uterine Neoplasms - congresses I. Baulieu, Etienne Emile, ed. II. McGuire, William L., 1937- ed. III. Raynaud, Jean-Pierre, ed. IV. Roussel (Canada) Ltd. V. Series  
 ISBN 0-89004-163-6 LC: 77-72065  
 04NLM: W1 PR667M v.4 1977  
 OXNLM: [WP 870 P964 1976]  
 IM Cit. No. 7702182 (rev. CIP.)

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 1. Propranolol - therapeutic use - congresses 2. Schizoprenia - drug therapy - congresses I. Amacher, Peter, ed. II. Roberts, Eugene, ed. III. Series  
 ISBN 0-8451-0300-8 LC: 78-1781  
 04NLM: W3 KR45 v.10 1976  
 OXNLM: [WJM 203 P965 1976]  
 IM Cit. No. 7807145

**R**

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 IM Cit. No. 7707399  
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 ISBN 3-8055-2706-3  
 04NLM: W3 FR935 v.12 1977  
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 1. Apnea - congresses 2. Sleep Disorders - congresses I. Dement, William C., 1928- ed. II. Guilleminault, Christian, ed. III. Kroc Foundation. IV. Title: Conference on sleep apnea syndromes V. Series  
 ISBN 0-8451-0301-6 LC: 78-416  
 04NLM: W3 KR43 v.11 1977  
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 IM Cit. No. 7807416

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congresses I. Nicolau, Claude, ed. II. Paraf, Alain, 1925- ed. III. Centre national de la recherche scientifique, Paris. IV. Max-Planck-Gesellschaft zur Förderung der Wissenschaften. V. Title: Meeting on structural and kinetic approach to plasma membrane functions VI. Series  
 ISBN 0-387-08265-4 LC: 77-8901  
 04NLM: QH 601 S927 1976  
 IM Cit. No. 7703791 (rev. CIP.)

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 04NLM: WN 610 S9873p 1977  
 IM Cit. No. 7802460

**Symposium on Fundamental Cancer Research, 29th, M. D. Anderson Hospital and Tumor Institute, Houston, Tex., 1976.** Growth kinetics and biochemical regulation of normal and malignant cells : a collection of papers presented at the twenty-ninth Annual Symposium on Fundamental Cancer Research, 1976 / Benjamin Drewinko and Ronald M. Humphrey, editors. — Baltimore : Williams & Wilkins, 1977. xv, 900 p. : ill. Published for the University of Texas System Cancer Center M. D. Anderson Hospital and Tumor Institute, Houston, Texas.  
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 LC: 76-41425

04NLM: W3 SY5177 1976g  
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 IM Cit. No. 7707656

**Symposium on Venous Problems, Chicago, 1976.** Venous problems / edited by John J. Bergan, James S. T. Yao. — Chicago : Year Book Medical Publishers, c1978. xvii, 613 p. : ill., ports., front. Symposium, held Dec. 2-4, 1976 in honor of Dr. Geza de Takats, sponsored by the Dept. of Vascular Surgery, Northwestern University.  
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 04NLM: WG 610 S987v 1976  
 IM Cit. No. 7804893

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 1. Synapses - congresses I. Cottrell, Glen A., ed. II. Usherwood, Peter N. R., ed. III. Scottish Electrophysiological Society. IV. Title: International symposium on synapses  
 ISBN 0-12-192550-1 LC: 77-73136  
 04NLM: WL 102 S9915 1976  
 IM Cit. No. 7708873

**Systems science in health care** : proceedings of an international conference held in Paris on 5-9 July 1976 = La science des systemes dans le domaine de la sante / edited by A. M. Coblenz and J. R. Walter. — London : Taylor & Francis, 1977. xiv, 452 p. : ill. Articles in English or French with summaries in both languages. Conference organized by the Scientific Affairs Division of the North Atlantic Treaty Organization, in collaboration with Direction des recherches et moyens d'essais, Institut de recherche d'informatique et d'automatique.  
 1. Computers - congresses 2. Delivery of Health Care - congresses 3. Information Retrieval Systems - congresses 4. Systems Analysis - congresses I. Coblenz, Alex Marcel, ed. II. Walter, John R., ed. III. France. Direction des recherches et moyens d'essais. IV. Institut de recherche d'informatique et d'automatique. V. North Atlantic Treaty Organization. Scientific Affairs Division. VI. Title: La Science des systemes dans le domaine de la sante  
 ISBN 0-85066-118-8  
 04NLM: W 265 S995 1976  
 IM Cit. No. 7802263 (rev.)



T

OXNLM: [WP 100 W927 1976g]  
IM Cit. No. 7705860 (rev. CIP.)

**Teratology Workshop, 1st, Berlin, 1977. Methods** in prenatal toxicology : evaluation of **embryotoxic** effects in experimental animals : **Teratology Workshop**, April 1977, Berlin / edited by D. Neubert, H.-J. Merker, and T. E. Kwasigroch, with assistance of R. Kreft and A. Bedürftig ; with contributions by S. Alder ... [et al.]. — Stuttgart : Thieme, 1977. ix, 474 p. : ill. Held at the **Institut für Toxikologie und Embryonal-Pharmakologie, Freie Universität Berlin**, under the auspices of the Deutsche Forschungsgemeinschaft, Includes bibliographies.

1. Abnormalities, Drug-Induced - embryology - congresses
  2. Fetus - drug effects - congresses
  3. **Teratogens** - congresses
  4. Toxicology - methods - congresses
- I. Alder, S. II. Kwasigroch, T. E., ed. III. Merker, Hans Joachim, ed. IV. Neubert, Diether, ed. V. Deutsche Forschungsgemeinschaft. VI. Freie Universität Berlin. Institut für Toxikologie und Embryonal-Pharmakologie. VII. Title

ISBN 3-13-558201-9  
04NLM: W3 TE735 1st 1977m  
OXNLM: [QS 679 T315 1977m]

IM Cit. No. 7803904

V

**Vascular Graft Symposium, 1st, National Institutes of Health, 1976. Vascular grafts** / Philip N. Sawyer, Martin J. Kaplitt. — New York : **Appleton-Century-Crofts**, c1978. xv, 432 p. : ill., ports. Includes bibliographies.

1. Blood Vessels - transplantation - congresses
  2. Vascular Surgery - congresses
- I. Kaplitt, Martin J., 1939- ed. II. Sawyer, Philip N. III. National Institutes of Health. IV. Title

ISBN 0-8385-9366-6 LC: 77-13979

04NLM: W3 VA32 1st 1976v  
OXNLM: [WG 170 V329 1976v]

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W

**Workshop on Animal Models in Psychiatry and Neurology, Rockville, Md., 1977. Animal models in psychiatry and neurology** / edited by I. Hanin and E. Usdin. — 1st ed. — Oxford ; New York : **Pergamon Press**, 1977. xiv, 499 p. : ill.

1. Disease Models, Animal - congresses
  2. Mental Disorders - congresses
  3. Neurology - congresses
- I. Hanin, Israel, ed. II. Usdin, Earl, ed. III. Title

ISBN 0-08-021556-4 LC: 77-30306  
04NLM: WM 100 W897a 1977

IM Cit. No. 7800109

**Workshop on Fertility in Human Reproduction, University of Newcastle (Australia), 1977. Immunological influence on human fertility** : proceedings of the Workshop on Fertility in Human Reproduction, Department of Biological Science, University of Newcastle, Australia, July 11-13, 1977 / edited by Barry Boettcher. — Sydney ; New York : **Academic Press**, 1977. xii, 370 p. : ill. — (Academic Press rapid manuscript reproduction)

1. Fertility - congresses
  2. Genitalia, Female - immunology - congresses
  3. Genitalia, Male - immunology - congresses
- I. Boettcher, Barry, ed. II. University of Newcastle (Australia). III. Title

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IM Cit. No. 7803532

**Workshop on Nongonococcal Urethritis and Related Infections, Lake Placid, N. Y., 1976. Nongonococcal urethritis and related infections** / editors, Derek Hobson, King K. Holmes. — Washington : American Society for Microbiology, 1977. xvi, 391 p. : ill.

1. *Chlamydia trachomatis* - congresses
  2. *Chlamydia* Infections - congresses
  3. Genital Diseases, Male - congresses
  4. Gynecology - congresses
  5. Ophthalmology - congresses
  6. Urethritis - congresses
- I. Hobson, Derek, ed. II. Holmes, King K., ed. III. American Society for Microbiology. IV. Workshop on Nongonococcal Urethritis and Related Oculogenital Infections, Lake Placid, N. Y., 1976. V. Title

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04NLM: WJ 600 W926p 1976

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