

THE NLM TECHNICAL BULLETIN

January 1979

No. 117

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NLM TECHNICAL BULLETIN - JAN 79

DATA BASE	TOTAL RECORDS	FILES DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	6,703	THROUGH 1979	01 FEB 79	
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	152,739	JAN 63-JAN 79	25 JAN 79	7901(ED)
*CANCERPROJ	21,646	1976-1978	11 JAN 79	7812(ED)
*CATLINE	183,320	1965-1979	01 FEB 79	
CHEMLINE	248,877		01 JUN 78	
*CLINPROT	1,168		30 SEP 78	7809(ED)
*EPILEPSY	24,177	1945-PRESENT	20 JAN 79	
HEALTH	104,021	JAN 75-FEB 79	20 JAN 79	7902(EM)
*HISTLINE	34,728		29 JAN 79	
MEDLINE	412,738	JAN 77-FEB 79	08 JAN 79	7902(IM)
MESH VOC	14,817	1979	11 DEC 78	
*NAME AUTH	101,615	1979	31 JAN 79	
*RTECS	32,603	1978	08 JAN 79	
SDILINE	19,875	FEB 79	08 JAN 79	
*SERLINE	31,221	1978	30 OCT 78	
*TDB	2,482		30 OCT 78	
*TOXLINE	541,449		29 JAN 79	7901(ST)
CBAC	276,756	1974-VOL 28(12); VOL 29(1)		
TOXBIB	107,051	1974-FEB 79		
IPA	30,696	1974-OCT-NOV 78		
HEEP	68,144	1974-FEB 79		
PESTAB	15,075	1974-JAN 79		
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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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.

MESH HEADINGS OR TEXT WORDS WHICH ARE ALSO COMMANDS - When entering either a MeSH heading or a text word which is also a command name, depress the space bar once before inputting the ambiguous heading/word:

SS 1 /C?
 USER:
 FILES A/D FILING

The initial space is needed to distinguish the heading/word from the command without quotes.

ELEMENTS COMMAND (Manual 4.9.4 and 5.2) - Reminder: The ELEMENTS _____ commands may not be used while in OFFSEARCH.

FACT SHEETS - Fact sheets on HISTLINE (HISTORY OF MEDICINE), BIOETHICS and HEALTH PLANNING & ADMIN data bases are included with this issue.

ELHILL HOURS (Manual 1.7) - Reminder: Hours of operation for NLM and SUNY are:

	<u>NLM</u>	<u>SUNY</u>
MONDAY	3 AM - 6 PM	8 AM - 9 PM
TUESDAY	3 AM - 9 PM	3 AM - 6 PM
WEDNESDAY	3 AM - 6 PM	8 AM - 9 PM
THURSDAY	3 AM - 6 PM	8 AM - 9 PM
FRIDAY	3 AM - 9 PM	8 AM - 6 PM

Neither NLM nor SUNY are up on Saturdays or Sundays. All times are Eastern Time.

Prime Time Hours: 10 AM-11:30 AM, 1 PM-5 PM

Non-Prime Hours: Before 10 AM, between 11:30-1:00, after 5 PM

RTECS (Manual 14.) - The RTECS File (Registry of Toxic Effects of Chemical Substances) was regenerated at NLM to include a quarterly update on January 8, 1979. The total number of records is now 32,603.

A new "toxic effect" phrase has been added and can be searched as EQUIVOCAL TUMORIGENIC AGENT(IX). One change has been made in the class of compound field; CARCINOGEN(CC) has been expanded to CARCINOGEN-NEOPLASTIGEN(CC) and must be searched as shown, with the hyphen. For search strategy assistance, please contact the Toxicology Information Program (301/496-1131).

**CANCERPROJ
(Manual 17.)**

- The CANCERPROJ file was updated on January 12, 1979. The total number of records is now 21,646. The update tag is 7812 (ED). An updated cumulated alphabetical listing of CANCERPROJ subject captions is available from MEDLARS Management Section. Please include an address label with your request. Please update your hierarchical subject caption listing with the following changes:

NEW AND CHANGED CAPTIONS IN NUMERIC CODE SEQUENCE

038720100 T&B Cell Charact & Cooperation
(CHANGED FROM) Lymphocytes and Lymphokines
038720200 T Cell Lymphokines & Mediators
(CHANGED FROM) Macrophages and Phagocytosis
038720300 T&B Cell Surface Markers
038720400 T&B Cell Assays
038720500 T&B Cell Mitogens
038720600 T&B Cell, Other Activities
038720700 Macrophages & Phagocytosis
038720950 Other Cells (Ir) (CHANGED FROM) Other

- Effective with this update is a change in the PRINT FULL format. The following elements have been added:

BD - BEGIN DATE
ED - END DATE

**CLINPROT
(Manual 18.)**

- Effective February 1, 1979, the following elements have been added to those which will be printed with the PRINT or PRINT STANDARD command:

IR - INVESTIGATORS
CD - CORRECTION DATE

Also, the following element has been added to those which will print with the PRINT FULL command:

CD - CORRECTION DATE

PHONES

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

FERTILIZATION IN VITRO - FERTILIZATION IN VITRO is now a major descriptor in MeSH. Citations on in vitro fertilization which have already been input for 1979 will have FERTILIZATION IN VITRO added as an index term. It is expected that SDILINE/MEDLINE will reflect this change with the April 79 update.

FERTILIZATION IN VITRO
E5.820.150.410
68.520.277.320

Fertilization of an egg outside the body when the egg is normally fertilized in the body.

only /drug eff /instrum /methods /rad eff; do not check the tags IN VITRO, PREGNANCY or FEMALE

X TEST TUBE BABIES

(TEST TUBE BABIES, formerly an entry term to ECTOGENESIS, is now an entry term to FERTILIZATION IN VITRO. Citations on test tube babies already input for 1979 will be file maintained to FERTILIZATION IN VITRO.)

AVLINE UPDATE

Linda Kudrick, Technical Services Division, NLM

ENHANCEMENTS TO AVLINE

As of February 1, AVLINE citations have been class updated to reflect the 1979 MeSH. There have also been several changes in the AVLINE data base which are designed to enhance search capabilities or to clarify existing information. The new Online Services Reference Manual will reflect these changes.

I. Rating tag

The use of the tag HIGHLY RECOMMENDED has been reinstated. All titles reviewed since 1976 which are described as highly recommended in the critical abstracts, but which were previously tagged RECOMMENDED are now searchable by HIGHLY RECOMMENDED (RD).

II. Learning method tags

A. Beginning with titles reviewed in 1979, the tag SUPPORT replaces the term LECTURE SUPPORT. Please note that for the present both terms should be used if full retrieval is desired.

B. Continuing Education Credit tag

All AVLINE titles which indicate the availability of continuing education credit are now directly searchable through a new tag CE CREDIT (RD). A corresponding note detailing the specific type and number of CE units for the title is printable in a newly defined Continuing Education Credit Note (CR). This note prints automatically in the standard PRT and PRT DETAILED, but can also be added to any tailored print command.

III. Audience level tags

A. Two new audience level tags have been added for searching. They are:

1. NON-DEGREE/TECHNICAL

Programs leading to a non-degree certificate as in in-house training, or in programs for Nurses' Aids, some physician assistant programs, emergency technician.

2. ADVANCE CERTIFICATE

In allied health professions and in nursing education this may be advanced training having programs in specific areas, e.g., nurse practitioners, operating room nurses, etc.

Search strategies are identical to those used for UNDERGRADUATE, GRADUATE AND CONTINUING EDUCATION.

Example:

SS 1 /C? CATHETERIZATION AND NURSING (RD)
AND NON-DEGREE/TECHNICAL (RD)

B. Primary Audience Designator

Many AVLINE titles are considered appropriate for more than one audience; however, beginning with titles reviewed in 1979, a primary audience will be designated by use of an asterisk (*) directly preceding the term. The asterisked term is directly searchable in the RD field and will also appear in the General Notes field.

SS 1 /C?
USER:
ANTIBIOTICS AND *NURSING (RD)

PROG:
SS (1) PSTG (8)

SS 2 /C?
USER:
PRT 1 TI,TC,GN,RD

1
 TI - ANTIBIOTICS/N
 TC - . [FILMSTRIP]
 GN - AUDIENCE LEVEL:
 GN --ALLIED HEALTH: UNDERGRADUATE.
 GN --*NURSING: UNDERGRADUATE; CONTINUING EDUCATION.
 GN --SPECIALTY: NURSING, PRACTICAL.
 RD - NURSING, PRACTICAL
 RD - UNDERGRADUATE
 RD - CONTINUING EDUCATION
 RD - *NURSING
 RD - ALLIED HEALTH

Please note, however, that for retrieval of titles reviewed prior to 1979, the terms must be used without the asterisk.

IV. Reviewer tags

The AVLINE review process takes place under the auspices of the Association of American Medical Colleges, sometimes in conjunction with other organizations. In the past, only acronyms were used for these organizations, which often caused confusion. Review bodies remain as acronyms in the (RD) field for searching purposes, but appear in full written form in the General Notes. An acronym enclosed in parentheses follows the full name so that further searching by review body can be done. Reviewers used to date include:

Association of American Medical Colleges (AAMC).

Association of American Medical Colleges with the
 American College of Emergency Physicians (AAMC/ACEP).

Association of American Medical Colleges with the
 American Society of Clinical Pathologists (AAMC/ASCP).

Association of American Medical Colleges with the
 American Physiological Society (AAMC/APS).

Association of American Medical Colleges with the
 American Gastroenterological Association (AAMC/AGA).

American Association of Dental Schools (AADS).

American Physiological Society (APS).

American Society of Clinical Pathologists (ASCP).

National Library of Medicine (NLM).

National Medical Audiovisual Center (NMAC).

NEW SERIALS ANNOUNCEMENT - DECEMBER 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.

- | | | | |
|--|---------------|--|---------------|
| AKTUELLE PSYCHIATRIE
1,1978--
GUSTAV FISCHER VERLAG
STUTT GART
IN PROCESS | GERMANY, WEST | BULLETIN SIGNALÉTIQUE 364
40,1979--
CENTRE DE DOCUMENTATION
CONTINUES BULLETIN SIGNALÉTIQUE 360.
BIOLOGIE ANIMALE PHYSIO-PATHOLOGIE DES
INVERTEBRES ECOLOGIE.
PARIS
ON ORDER | FRANCE |
| ANGINA PECTORIS
1,1977--
EDEN PRESS
MONTREAL
EDEN PRESS 1538 SHERBROOKE ST W, 201 DEPT
H, MONTREAL, QUEBEC, H3G 1L5
ON ORDER | CANADA | IM CANCER TREATMENT REPORTS
60,1976--
US. NATIONAL CANCER INSTITUTE
FORMED BY THE UNION OF CANCER CHEMOTHERAPY
REPORTS, PARTS 1, 2, AND 3
SILVER SPRING MD
WI CA694 | UNITED STATES |
| AQUATIC SCIENCES AND FISHERIES ABSTRACTS.
PART 1. BIOLOGICAL SCIENCES AND LIVING
RESOURCES
8,1978--
INFORMATION RETRIEVAL
CONTINUES IN PART AQUATIC SCIENCES AND
FISHERIES ABSTRACTS
LONDON
IN PROCESS | ENGLAND | CAREER EDUCATION FOR MENTAL HEALTH WORKERS
1,DEC,1977--
HUMAN RESOURCES INSTITUTE. UNIV. OF SOUTH
FLORIDA
TAMPA
WI CA78H | UNITED STATES |
| AQUATIC SCIENCES AND FISHERIES ABSTRACTS.
PART 2. OCEAN TECHNOLOGY, POLICY AND
NON-LIVING RESOURCES
8,1978--
INFORMATION RETRIEVAL
CONTINUES IN PART AQUATIC SCIENCES AND
FISHERIES ABSTRACTS.
LONDON
IN PROCESS | ENGLAND | CHILD ABUSE AND NEGLECT PROGRAMS
JUN,1976--
U.S. DHEW. NATIONAL CENTER ON CHILD ABUSE
AND NEGLECT. U.S. CHILDRENS BUREAU
DEVELOPED BY HERNER AND COMPANY UNDER
CONTRACT NO. HEW-105-76-1136.
WASHINGTON
GPO DEPOSITORY ACCOUNT NO. 1046
WA 22 AA1 C4 | UNITED STATES |
| IM ARCHIVES OF GYNECOLOGY
226,1978--
SPRINGER VERLAG
CONTINUES ARCHIV FUR GYNAEKOLOGIE.
BERLIN
WI AR455AN | GERMANY, WEST | CHILDRENS KNOWLEDGE AND LANGUAGE
1,WINTER,1979--
TOMORROWS CHILD
ALBUQUERQUE
ON ORDER | UNITED STATES |
| BIOLOGICAL REGULATION AND DEVELOPMENT
1,1979--
PLENUM
NEW YORK
ON ORDER | UNITED STATES | CHILDRENS LEARNING AND PERCEPTION
1,SUMMER,1978--
TOMORROWS CHILD
ALBUQUERQUE
ON ORDER | UNITED STATES |

CHILDRENS PERSONALITY AND SOCIAL DEVELOPMENT
1,WINTER,1979--
TOMORROWS CHILD
ALBUQUERQUE UNITED STATES
ON ORDER

CLINICS IN DIAGNOSTIC ULTRASOUND
1,1979--
CHURCHILL LIVINGSTONE
NEW YORK UNITED STATES
ON ORDER

COMMUNITY MEDICINE
INI,1979--
WRIGHT
JOURNAL OF THE FACULTY OF COMMUNITY
MEDICINE. CONTINUES COMMUNITY HEALTH.
ENGLAND
JOHN WRIGHT AND SONS LTD., 4244 TRIANGLE
WEST, BRISTOL B58 1EX, ENGLAND
ON ORDER

COMUNICACOES CIENTIFICAS DA FACLDADE DE
MEDICINA VETERINARIA E ZOOTECNIA DA
UNIVERSIDADE DE SAO PAULO
1,1977--
FACULDADE DE MEDICINA VETERINARIA E
ZOOTECNIA DA USP BRAZIL
SAO PAULO
FACULDADE DE MEDICINA VETERINARIA E
ZOOTECNIA DA USP, CIDADE UNIVERSITARIA, CEP
05508 SAO PAULO, SP, BRASIL
WI C0427VF

CONTEMPORARY ENDOCRINOLOGY
1,1979--
PLENUM
CONTINUES YEAR IN ENDOCRINOLOGY.
NEW YORK UNITED STATES
ON ORDER

CONTEMPORARY METABOLISM
1,1979--
PLENUM
CONTINUES YEAR IN METABOLISM.
NEW YORK UNITED STATES
ON ORDER

CONTEMPORARY PHARMACY PRACTICE
1,1978--
AMERICAN PHARMACEUTICAL ASSOCIATION
WASHINGTON UNITED STATES
AMERICAN PHARMACEUTICAL ASSOCIATION, 2215
CONSTITUTION AVENUE N.W., WASHINGTON, D.C.
20037
ON ORDER

CRC HANDBOOK SERIES IN ORGANIC
ELECTROCHEMISTRY
1,1977?--
CRC PRESS
CLEVELAND UNITED STATES
WI C58K

CURATIONIS
INI, JUNE, 1978--
SOUTH AFRICAN NURSING ASSOCIATION
SUPERSEDES IN PART SA NURSING JOURNAL
FRETQ?IA SOUTH AFRICA
SOUTH AFRICAN NURSING ASSOCIATION, PRIVATE
BAG X105, PRETORIA, 0001, 605 CHURCH ST.,
ARCADIA, PRETORIA 0083, SOUTH AFRICA
WI CU485

ETHOLOGY AND SOCIOBIOLOGY
1,1979--
ELSEVIER/NORTH HOLLAND
NEW YORK UNITED STATES
ON ORDER

EUROPAEISCHE HOCHSCHULSCRIFTEN REIHE VII.
MEDIZIN. ABT.C. ORTHOPAEDIE
1,1977--
PETER LANG
FRANKFURT GERMANY
IN PROCESS

FO. FACULTAD DE ODONTOLOGIA
3,1976--
FACULTAD DE ODONTOLOGIA
CONTINUES ENO FO.
MEXICO MEXICO
REVISTA FO, ORIENTE 178 NO. 1120, COL.
HEROES DE CHURUBUSCO, MEXICO 13, D.F.,
MEXICO
ON ORDER

GENERAL HOSPITAL PSYCHIATRY
1,1979--
ELSEVIER NORTH HOLLAND
NEW YORK UNITED STATES
ON ORDER

GERONTOLOGY
1,1979--
KARGER
BASEL SWITZERLAND
ON ORDER-UCL

IM GYNECOLOGIC AND OBSTETRIC INVESTIGATION
9,1978--
KARGER
CONTINUES GYNECOLOGIC INVESTIGATION.
BASEL SWITZERLAND
WI 6Y556U

HANDBOOK OF EXPERIMENTAL PHARMACOLOGY
50,1978--
SPRINGER-VERLAG
CONTINUES HANDBUCH DER EXPERIMENTELLEN
PHARMAKOLOGIE.
BERLIN GERMANY, WEST
IN PROCESS

HEALTH CARE IN CANADA
20NOV, OCT 1978--
SOUTHAM BUSINESS PUBLICATIONS
FORMED BY THE UNION OF HOSPITAL
ADMINISTRATION IN CANADA AND OF HEALTH CARE
DIGEST. ALTERNATE ISSUES INCLUDE: HEALTH
CARE DIGEST, V. 5, NO. 5- .
DCN HILLS CANADA
WI HE299KI

HEALTH CARE FINANCING ADMINISTRATION
RULINGS ON MEDICARE, MEDICAID, PROFESSIONAL
STANDARDS REVIEW AND RELATED MATTERS
1,NOV,1978--
U.S. DHEW. ADMINISTRATOR, HEALTH CARE
FINANCING ADMINISTRATION
BALTIMORE UNITED STATES
GPO DEPOSITORY ACCOUNT NO. 1046
IN PROCESS

NLN TECHNICAL BULLETIN - JAN 79

HOME HEALTH REVIEW
1,1977--
NATIONAL ASSOCIATION OF HOME HEALTH AGENCIES
WASHINGTON UNITED STATES
NATIONAL ASSOCIATION OF HOME HEALTH
AGENCIES, SUITE 200, 426 C ST. N.E.,
WASHINGTON, D.C. 20002
ON ORDER

HYPERTENSION
1,1979--
AMERICAN HEART ASSOCIATION
SUPERSEDES HYPERTENSION.
DALLAS UNITED STATES
AMERICAN HEART ASSOCIATION, 7320 GREENVILLE
AVENUE, DALLAS, TX. 75231
ON ORDER-UCLA

ICRDB CANCEROGRAM. ORGAN SITE
CARCINOGENESIS. KIDNEY AND URINARY TRACT
DEC,1978--
U.S. DHEW. NATIONAL CANCER INSTITUTE
NTISUB ; D/366-001, ETC. ISSUED AS A
SERVICE OF THE INTERNATIONAL CANCER
RESEARCH DATA BANK PROGRAM. PREPARED BY
THE CANCER INFORMATION DISSEMINATION AND
ANALYSIS CENTER FOR CARCINOGENESIS
INFORMATION.
BETHESDA MD UNITED STATES
ADDRESS. U.S. DHEW NATIONAL CANCER
INSTITUTE BETHESDA, MARYLAND 20014
ZMJ 160 I11DK

INDIAN JOURNAL OF PSYCHOLOGICAL MEDICINE
1,1978--
INDIAN PSYCHIATRIC SOCIETY, SOUTH ZONE
VELLORE INDIA
DR. ABRAHAM VERGHESE, CHRISTIAN MEDICAL
COLLEGE AND HOSPITAL, VELLORE, TAMIL NADU,
INDIA
ON ORDER

INTERNATIONAL NUTRITION POLICY SERIES
1,1974--
MIT PRESS
CAMBRIDGE, MA UNITED STATES
W1 IN827B

INTERNATIONAL QUARTERLY OF COMMUNITY HEALTH
INFORMATION
1,1979--
BAYWOOD
UNITED STATES
ON ORDER

ISSUES IN HEALTH CARE OF WOMEN
1,JUNE,1978
MCGRAW-HILL
NEW YORK UNITED STATES
ON ORDER

ISSUES IN MENTAL HEALTH NURSING
1,JUNE,1978--
MCGRAW-HILL
NEW YORK UNITED STATES
ON ORDER

IN JNCI. JOURNAL OF THE NATIONAL CANCER
INSTITUTE
61,JULY,1978--
U.S. NATIONAL CANCER INSTITUTE
CONTINUES JOURNAL OF THE NATIONAL CANCER
INSTITUTE. ABSTRACTS OF PAPERS CONTAINED
IN THE JOURNAL ACCOMPANY EACH ISSUE.
BETHESDA MD UNITED STATES
W1 J41

JONKIS LECTURES
1,1978--
EXCERPTA MEDICA
AMSTERDAM NETHERLANDS
IN PROCESS

JOURNAL DE L ASSOCIATION DENTAIRE HAITIENNE
1,JULY/SEPT,1978--
ASSOCIATION DENTAIRE HAITIENNE
PORT-AU-PRINCE HAITI
ON ORDER

JOURNAL OF BIOCHEMICAL AND BIOPHYSICAL
METHODS
1,1979--
ELSEVIER/NORTH HOLLAND
NEW YORK UNITED STATES
ON ORDER

IN JOURNAL OF INORGANIC BIOCHEMISTRY
10,1979--
ELSEVIER NORTH HOLLAND
CONTINUES BIOINORGANIC CHEMISTRY.
NEW YORK UNITED STATES
ON ORDER

JOURNAL OF THE INTERNATIONAL SOCIETY OF
PROSTHETICS AND ORTHOTICS
1,1977--
INTERNATIONAL SOCIETY OF PROSTHETICS AND
ORTHOTICS
PHILADELPHIA UNITED STATES
BEN WILSON, MOSS REHABILITATION HOSPITAL,
12 ST. AND TABOR RD., PHILADELPHIA, PA.
19141
ON ORDER

JOURNAL OF THE NEW YORK STATE SCHOOL NURSE
TEACHERS ASSOCIATION
9,1977--
NEW YORK STATE SCHOOL NURSE TEACHERS
ASSOCIATION
CONTINUES NYSSNTA JOURNAL.
ALBANY NY UNITED STATES
JOURNAL OF THE NEW YORK STATE SCHOOL NURSE
TEACHERS ASSOCIATION, 105 WOLF ROAD, RM 23,
ALBANY, NY 12205
W1 J0942WL

JOURNAL OF PHARMACOBIO-DYNAMICS
1,1978--
PHARMACEUTICAL SOCIETY OF JAPAN
TOKYO JAPAN
PHARMACEUTICAL SOCIETY OF JAPAN, 12-15-501,
SHIBUYA 2-CHOME, SHIBUYA-KU, TOKYO
150,-JAPAN
IN PROCESS

- KREBSBEKAEMPFUNG
1,1978--
GUSTAV FISCHER VERLAG
STUTTGART GERMANY, WEST
W1 KR339L
- LECTURE NOTES IN MEDICAL INFORMATICS
1,1978--
SPRINGER VERLAG
BERLIN GERMANY
IN PROCESS
- LEGAL SIDE OF MEDICINE
1,1978--
INSTITUTE FOR MANAGEMENT
OLD SAYBROOK CT UNITED STATES
ON ORDER
- LYMPHOLOGY
1977--
PSG PUB. CO.
CONTINUES PROGRESS IN LYMPHOLOGY. CONSISTS
OF PAPERS PRESENTED AT THE 6TH-
INTERNATIONAL CONGRESS OF THE INTERNATIONAL
SOCIETY OF LYMPHOLOGY.
LITTLETON MA UNITED STATES
ON ORDER-UCL
- MENARINI SERIES ON IMMUNOPATHOLOGY
1,1978--
SCHWABE AND CO
BASEL SWITZERLAND
IN PROCESS
- METASTASES
1,1978--
G K HALL
BOSTON UNITED STATES
ON ORDER-CIP
- MONOGRAFIAS DE LA FUNDACION MAURICE E.
MUELLER
1,1976--
EDICIONES TARRACO
TARRAGONA SPAIN
IN PROCESS
- NEW HEALTH CATALYST
1, APRIL, 1978--
MOUNTAIN VIEW CA UNITED STATES
P.O. BOX 367, MOUNTAIN VIEW, CA. 94040
ON ORDER
- NURSING LEADERSHIP
1, JUNE, 1978--
CHARLES B SLACK
THOROFARE NJ UNITED STATES
CHARLES B. SLACK, 6900 GROVE RD.,
THOROFARE, N.J. 08086
ON ORDER
- PRAXIS DER ZELLTHERAPIE
1, 1977--
MEDIZINISCH LITERARISCHE
VERLAGSGESELLSCHAFT
UELZEN GERMANY, WEST
W3 PR239
- IN PROGRESS IN LIPID RESEARCH
17, 1978--
PERGAMON PRESS
CONTINUES PROGRESS IN THE CHEMISTRY OF FATS
AND OTHER LIPIDS.
OXFORD ENGLAND
W1 PR6705
- IN PROGRESS IN LIPID RESEARCH
17, 1978--
PERGAMON PRESS
CONTINUES PROGRESS IN THE CHEMISTRY OF FATS
AND OTHER LIPIDS.
OXFORD ENGLAND
W1 PR6705
- PROGRESS IN REPRODUCTIVE BIOLOGY
1, 1976--
KARGER
INCLUDES PROCEEDINGS OF THE 5TH-
INTERNATIONAL SEMINAR ON REPRODUCTIVE
PHYSIOLOGY AND SEXUAL ENDOCRINOLOGY.
BASEL SWITZERLAND
W1 PR681B
- RADIATION PROTECTION ACTIVITIES
1976--
U. S. ENVIRONMENTAL PROTECTION AGENCY,
OFFICE OF RADIATION PROGRAMS
CONTINUES ANNUAL EPA REVIEW OF RADIATION
PROTECTION ACTIVITIES. PREPARED BY THE
U.S. ENVIRONMENTAL PROTECTION AGENCY.
OFFICE OF RADIATION PROGRAMS.
WASHINGTON UNITED STATES
W2 A 035A
- REGULATORY AFFAIRS/MD
1, OCT, 1978--
COMMUNICATIONS MEDIA FOR EDUCATION, INC
PRINCETON JUNCTION UNITED STATES
NJ
ADDRESS: COMMUNICATIONS MEDIA FOR
EDUCATION, INC. P.O. BOX 712 PRINCETON
JUNCTION, N.J. 08550
IN PROCESS
- RELEASING HORMONES
1, 1978--
UNIVERSITY OF SHEFFIELD, BIOMEDICAL
INFORMATION SERVICE
SHEFFIELD ENGLAND
ON ORDER
- REVUE MORROCAN DE MEDECINE ET SANTE
1, 1978--
CASABLANCA MOROCCO
REVUE MORROCAN DE MEDECINE ET SANTE, B.P.
597, CASABLANCA, MOROCCO
ON ORDER
- SCHMERZSTUDIEN
1, 1978--
GUSTAV FISCHER VERLAG
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IN PROCESS

NLN TECHNICAL BULLETIN - JAN /9

SIXTH QUARTERLY INCORPORATING THE BRAIN
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2,1978/79--
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ON ORDER

SKEPTICAL INQUIRER
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COMMITTEE FOR THE SCIENTIFIC INVESTIGATION
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BUFFALO, N.Y. 14215
IN PROCESS

SOURCEBOOK ON FOOD AND NUTRITION
1,MAY,1978--
MARQUIS ACADEMIC MEDIA
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ON ORDER

SPRACH-, SPRECH- UND STIMMSTOERUNGEN
1,1978--
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IN PROCESS

TAGUNGSBERICHTE - ZENTRALINSTITUT FUR DIE
KASSENARZTLICHE VERSORGUNG IN DER
BUNDESREPUBLIK DEUTSCHLAND
1,1977--
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IN PROCESS

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1,1977--
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DR. ED. BERTRAND, ABIDJAN INSTITUTE OF
CARDIOLOGY, P.O. BOX V206, ABIDJAN, COTE D
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VESTNIK MOSKOVSKOGO UNIVERSITEA. SERIA
XVI: BIOLOGIIA
1977--
MOSKOVSKII UNIVERSITET
CONTINUES IN PART VESTNIK MOSKOVSKOGO
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IN VETERINARY CLINICS OF NORTH AMERICA. LARGE
ANIMAL PRACTICE
1,MAY,1979--
SAUNDERS
CONTINUES IN PART VETERINARY CLINICS OF
NORTH AMERICA. CATALOGING IN PUBLICATION.
PHILADELPHIA UNITED STATES
ON ORDER-UCL

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ANIMAL PRACTICE
9N2,MAY,1979--
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IN WORLD HEALTH STATISTICS QUARTERLY. RAPPORT
TRIMESTRIEL DE STATISTIQUES SANITAIRES
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31,1978--
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GENEVE SWITZERLAND
M2 M86 M9RA

LIST OF MONOGRAPHS INDEXED
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E

Environmental endocrinology : proceedings of an international symposium held in Montpellier (France), 11-15 July 1977 / edited by Ivan Assenmacher, Donald S. Farner. — Berlin ; New York : Springer-Verlag, 1978. xv, 334 p. : ill. — (Proceedings in life sciences) A satellite symposium of the 27th International Congress of Physiological Sciences, Paris, 18-23 July 1977. Symposium held at the University of Montpellier II.
 1. Adaptation, Physiological - congresses 2. Endocrine Glands - physiology - congresses 3. Periodicity - congresses I. Assenmacher, Ivan André, 1927- ed. II. Farner, Donald Stanley, 1915- ed. III. International Congress of Physiological Sciences, 27th, Paris, 1977. IV. Université des sciences et techniques du Languedoc. V. Title: International symposium on environmental endocrinology VI. Series
 ISBN 0-387-06809-1 LC: 78-18840
 OANLM: WK 102.3 E61 1977
 IM Cit. No. 7809181

I

International Symposium on Malignant Hyperthermia, 2d, Denver, 1977. The second International Symposium on Malignant Hyperthermia / edited by J. Antonio Aldrete and Beverley A. Britt. — New York : Grune & Stratton, c1978. xviii, 560 p. : ill. — (A Grune & Stratton rapid manuscript production) Proceedings of a symposium held in Denver, Colorado, April 1-3, 1977.
 1. Anesthesia - adverse effects - congresses 2. Fever - congresses I. Aldrete, Jorge Antonio, 1937- ed. II. Britt, Beverley A., ed. III. Title IV. Title: Malignant hyperthermia
 ISBN 0-8089-1073-6 LC: 77-17076
 OANLM: W3 IN919GK 2d 1977s
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T

Therapy in nuclear medicine / editor, Richard P. Spencer. — New York : Grune & Stratton, c1978. xii, 404 : ill. Based on a symposium held in Hartford, Conn., Mar. 17-19, 1977, and sponsored by the University of Connecticut Health Center and other agencies.
 1. Nuclear Medicine - congresses 2. Radioisotopes - therapeutic use - congresses I. Spencer, Richard Paul, 1929- ed. II. University of Connecticut Health Center. III. Title: Symposium on therapy in nuclear medicine
 ISBN 0-8089-1070-1 LC: 78-7384
 OANLM: WN 450 T398 1977
 IM Cit. No. 7802506 (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 USAGE:

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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)

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ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED	
AK	ANCHORAGE	907/276-4401	B					
AL	BESSEMER				205/251-2495			
AL	BIRMINGHAM	205/942-4141	B		205/251-2495			
AR	LITTLE ROCK	501/372-5780	FX B					
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	602/795-2951	FX B		602/791-7541			
CA	ALHAMBRA	213/572-0999	FX B		213/956-8235			
CA	ANAHEIM				714/558-6061			
CA	BURLINGAME	415/348-4992	FX B		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	408/257-0593	CCITT RESTRICTED FOR OVERSEAS USE ONLY					
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			

NLM TECHNICAL BULLETIN - JAN 79

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
CA	INGLEWOOD				213/624-5230		
CA	LONG BEACH				213/549-5150		
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	213/391-0311	FX B		213/822-9287		
CA	MOUNTAIN VIEW	415/961-7971	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		805/659-4660		
CA	PALO ALTO	415/326-7015	B		415/328-5950		
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	714/293-3590	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	415/391-8892	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	408/446-1470	B		408/279-8450		
CA	SAN MATEO				415/595-0360		
CA	SAN PEDRO	213/830-0775	FX B		213/549-5150		
CA	SANTA ANA				714/558-6061		
CA	SANTA BARBARA	805/687-6119	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		805/659-4660		
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	LAKESWOOD				303/623-0876		
CT	BRIDGEPORT	203/579-7820	FX B				
CT	DANBURY	203/743-1340	FX B				
CT	DARIEN	203/655-8931	B		203/357-1800		
CT	DARIEN	203/655-7951	212A	120			
CT	GREENWICH				203/357-1800		

NLM TECHNICAL BULLETIN - JAN 79

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
CT	HARTFORD	203/568-2610	B		203/522-0344		
CT	HARTFORD	203/569-3643	212A	120			
CT	MILFORD				203/789-0211		
CT	NEW HAVEN	203/789-0579	B		203/789-0211		
CT	STAMFORD				203/357-1800		
CT	WATERBURY	203/755-1153	FX	B			
CT	WEST HARTFORD				203/522-0344		
DC	WASHINGTON	703/524-9215	B212A	120	202/347-3061	B212A	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		202/783-2050		
DC	WASHINGTON*	301/656-2726		30			
DC	WASHINGTON*	301/657-1896		30			
DC	WASHINGTON*	301/496-1994	FTS	15/30			
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	302/737-8550		
FL	CLEARWATER				813/224-9920		
FL	FT LAUDERDALE	305/467-7550	FX	B	305/764-8880		
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	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			
GA	ATLANTA	404/659-6670	B		404/577-8911		
GA	ATLANTA	404/581-0619	B212A	120	404/523-0834	B212A	120
GA	SAVANNAH	912/352-7259	FX	B			
HI	HONOLULU	CONTACT HAWAII TELEPHONE COMPANY					
IA	CEDAR RAPIDS	319/364-3371	FX	B			
IA	COUNCIL BLUFFS				402/341-7570		
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	312/263-3069	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	FREEMONT	815/233-5585	B	30			
IL	OAK PARK				312/372-4901		
IL	ROCKFORD	815/398-6090	B				
IL	SKOKIE				312/372-4901		

NLM TECHNICAL BULLETIN - JAN 79

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
IN	FT WAYNE	219/424-5162	FX	B			
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	219/259-5771	FX	B	219/234-9071		
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	502/361-2645	B212A	120			
LA	BATON ROUGE	504/292-4050	B				
LA	BATON ROUGE	504/292-2650	B212A	120			
LA	LAFAYETTE	318/235-3501	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	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	BOSTON	617/482-3386	B212A	120			
MA	BROOKLINE				617/338-1400		
MA	CAMBRIDGE				617/338-1400		
MA	CHICOPEE				413/739-7221		
MA	HOLYOKE				413/739-7221		
MA	MEDFORD				617/338-1400		
MA	NEWTON				617/338-1400		
MA	QUINCY				617/338-1400		
MA	SOMERVILLE				617/338-1400		
MA	SPRINGFIELD	413/781-6830	B		413/739-7221		
MA	WALTHAM				617/338-1400		
MD	ANNAPOLIS	301/547-8100	B		301/962-5010		
MD	BALTIMORE	301/547-8100	B		301/962-5010		
MD	BETHESDA	703/841-0200	B		202/347-1400		
MD	COLLEGE PARK	703/841-0200	B		202/347-1400		
MD	DUNDALK	301/547-8100	B		301/962-5010		
MD	ROCKVILLE	703/841-0200	B		202/347-1400		
MD	SILVER SPRING	703/841-0200	B		202/347-1400		
MI	ANN ARBOR	313/995-6250	B		313/668-4630		
MI	DETROIT	313/963-3388	B		313/961-5115		
MI	DETROIT	313/725-9252	B212A	120			
MI	DETROIT	313/963-2353	V3405	120	313/961-0600	B212A	120
MI	GRAND RAPIDS	616/459-5069	FX	B			
MI	JACKSON	517/784-8522	B				
MI	KALAMAZOO	616/385-3150	B				
MI	PLYMOUTH	313/459-8900	B				
MI	SOUTHFIELD	313/569-8350	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			
MN	ST. PAUL				612/339-0150		

NLM TECHNICAL BULLETIN - JAN 79

ST	CITY	TVMNET	TYPE	SPEED	TELENET	TYPE	SPEED
MO	FLORISSANT				314/231-8800		
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			
MS	JACKSON	601/944-0860	FX B				
NE	OMAHA	402/392-2970	B		402/341-7570		
NC	CHARLOTTE	704/372-9730	FX B		704/374-0371		
NC	DURHAM				919/549-8291		
NC	GREENSBORO	919/379-0034	FX B				
NC	RALEIGH/DURHAM	919/549-0441	B		919/549-8291		
NC	RES. TRI. PARK				919/549-8291		
NC	WINSTON-SALEM	919/725-1414	B		919/761-1957		
NC	WINSTON-SALEM	919/725-9252	B212A	120			
NH	MANCHESTER	603/669-0493	FX B				
NH	NASHUA	603/889-8618	FX B				
NJ	BAYONNE				201/623-6818		
NJ	ELIZABETH				201/623-6818		
NJ	ENGLEWOOD CLFS	201/894-8250	B				
NJ	JERSEY CITY				201/623-6818		
NJ	LYNHURST	201/460-0100	B				
NJ	LYNHURST	201/460-0180	B212A	120			
NJ	MOORESTOWN	609/235-3761	FX B				
NJ	MORRISTOWN				201/623-6818		
NJ	NEWARK	201/483-5937	B		201/623-6818		
NJ	NEWARK	201/483-4878	B212A	120	201/483-3737	B212A	120
NJ	PASSAIC				201/742-0858		
NJ	PATERSON				201/742-0858		
NJ	PISCATAWAY	201/981-1900	B				
NJ	PRINCETON	609/921-0650	FX B				
NJ	RAHWAY				201/623-6818		
NJ	TRENTON				609/392-6101		
NJ	UNION	201/483-5937	B		201/623-6818		
NJ	UNION CITY				201/623-6818		
NJ	WAYNE	201/785-4480	E				
NV	CARSON CITY	702/882-7810	B				
NV	CARSON CITY	702/883-6546	B212A	120			
NV	LAS VEGAS	702/386-1899	FX B		702/733-2158		
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				516/292-0320		
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		212/454-3430		
NY	NEW YORK	212/532-8101	B212A	120	212/736-3521	B212A	120
NY	NEW YORK	212/689-8850	B202	120			
NY	NIAGARA FALLS	716/285-6691	FX B				
NY	ROCHESTER	716/248-8000	B		716/454-3430		

NLM TECHNICAL BULLETIN - JAN 79

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
NY	SCHENECTADY				518/445-9111		
NY	SYRACUSE	315/437-7111	B		315/472-5503		
NY	TROY				518/445-9111		
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	EUCLID				216/241-0940		
OH	KENT				216/762-9791		
OH	PARMA				216/241-0940		
OH	TOLEDO	419/243-3144	FX B		419/243-8871		
OK	BETHANY				405/232-4501		
OK	NORMAN				405/232-4501		
OK	OKLAHOMA CITY	405/947-0561	B		405/232-4501		
OK	TULSA	918/663-2220	B		918/584-3215		
OK	TULSA	918/665-2750	B212A	120			
OR	PORTLAND	503/231-4050	B		503/243-2800		
OR	PORTLAND	503/231-4077	B212A	120			
PA	ALLENTOWN	215/433-6131	FX B		215/435-8268		
PA	ERIE	814/459-1600	B				
PA	HARRISBURG	717/236-1190	FX B				
PA	PENN HILLS				412/288-9950		
PA	PHILADELPHIA	215/561-6120	B		215/574-0620		
PA	PHILADELPHIA	215/567-1381	B212A	120	215/574-9462	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	PROVIDENCE	401/274-5783	FX B		401/272-9290		
RI	WARWICK				401/272-9290		
SC	COLUMBIA	803/252-0840	FX B				
SC	GREENVILLE	803/271-2418	FX B				
TN	CHATTANOOGA	615/756-5856	B				
TN	KNOXVILLE	615/637-3118	FX B				
TN	MEMPHIS	901/345-1111	B		901/525-2563		
TN	MEMPHIS	901/345-7710	B212A	120			
TN	NASHVILLE	615/244-5784	FX B		615/244-8310		
TN	NASHVILLE	615/244-8771	B				
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	214/688-1115	B212A	120	214/748-6371	V3405	120
TX	EL PASO	915/544-9590	B				
TX	FORT WORTH	214/263-2341	FX B		817/336-7791		
TX	HOUSTON	713/785-4411	B		713/224-3380		
TX	HOUSTON	713/977-4080	B				

NLM TECHNICAL BULLETIN - JAN 79

ST	CITY	TVMNET	TYPE	SPEED	TELENET	TYPE	SPEED
TX	HOUSTON	713/785-4420	B				
TX	HOUSTON	713/780-7496	V3405	120			
TX	HOUSTON	713/977-7671	B212A	120	713/225-9359	B212A	120
TX	LACKLAND				512/224-1631		
TX	LONGVIEW	214/758-1756	FX	B			
TX	LUBBOCK	806/762-0136	FX	B			
TX	MIDLAND	915/683-5645	B				
TX	ODESSA	915/563-3571	FX	B			
TX	SAN ANTONIO	512/696-4002	B		512/224-1631		
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	SEATTLE	206/625-9937	B212A	120			
WA	SEATTLE	206/625-9900	B		206/624-9780		
WA	SPOKANE	509/448-9515	FX	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			
WV	CHARLESTON	304/345-2908	FX	B			

****FOREIGN ACCESS****

TELECOMMUNICATIONS AVAILABLE FROM THE FOLLOWING FOREIGN LOCATIONS:

*****COUNTRY*****	*****CITY*****
AUSTRALIA	SYDNEY
AUSTRIA	VIENNA
BELGIUM	BRUSSELS
CANADA	
DENMARK	COPENHAVEN
ENGLAND	LONDON
FINLAND	HELSINKI
FRANCE	PARIS
GERMANY	FRANKFURT
THE NETHERLANDS	THE HAGUE (HOLLAND)
HONG KONG	WANCHAI
ISRAEL	JERUSALEM
ITALY	ROME
MEXICO	PISO
NORWAY	OSLO
PHILIPPINES	MANILA & MAKATI
PUERTO RICO	SAN JUAN
SINGAPORE	SINGAPORE
SPAIN	MADRID
SWEDEN	FARSTA
SWITZERLAND	GENEVA

HISTLINE (HISTORY OF MEDICINE)

What is HISTLINE ? HISTLINE, *History of Medicine Online*, is an online bibliographic data base containing 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 cited in HISTLINE 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. 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.

How is HISTLINE searched ? 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.

Where is HISTLINE available ? HISTLINE is available at approximately 900 academic, commercial and government organizations. Most centers provide service to biomedical personnel in the communities where they are located.

When is HISTLINE available ? HISTLINE is available Monday, Wednesday, and Thursday from 3:00 a.m. to 6:00 p.m.; and Tuesday and Friday from 3:00 a.m. to 9:00 p.m. (Eastern time).

How much does HISTLINE cost ? The cost of access to the National Library of Medicine's online data bases is \$15 for each hour of "prime" computer connect time between 10-11:30 a.m. and 1-5 p.m. (E.T.) and \$8 an hour at all other times. The Library also charges 12¢ for each page of offline print-out. Subscribing institutions may recover these costs as well as the cost of a search analyst's time from their customers.

How does one subscribe to HISTLINE ? Eleven Regional Libraries, each responsible for a geographic area, coordinate NLM's online search services in the U.S. These libraries also handle requests for health literature not available locally, passing on to NLM requests they cannot fill. To find out the nearest Online Center, or how your institution can become a Center, write to the Regional Medical Library for your area.

- Region I New England Regional Medical Library Service (Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, and Vermont)
Francis A. Countway Library of Medicine
Harvard University
10 Shattuck St, Boston, MA 02115
- Region II New York and New Jersey Regional Medical Library
New York Academy of Medicine Library
2 E 103 St, New York, NY 10029
- Region III Mid-eastern Regional Medical Library Service (Delaware and Pennsylvania)
Library of the College of Physicians
19 S 22 St, Philadelphia, PA 19103
- Region IV Mid-Atlantic Regional Medical Library (District of Columbia, Maryland, North Carolina, Virginia, and West Virginia)
National Library of Medicine
8600 Rockville Pike, Bethesda MD 20014
- Region V Kentucky-Ohio-Michigan Regional Medical Library Program
Wayne State University
Shiffman Medical Library
4325 Brush St, Detroit, MI 48201
- Region VI Southeastern Regional Medical Library Program (Alabama, Florida, Georgia, Mississippi, South Carolina, Tennessee, and Puerto Rico)
AW Calhoun Medical Library
Emory University, Atlanta, GA 30322
- Region VII Midwest Health Sciences Library Network (Iowa, Illinois, Indiana, Minnesota, North Dakota, and Wisconsin)
John Crerar Library
33 W 33 St, Chicago, IL 60616
- Region VIII Midcontinental Regional Medical Library Program (Colorado, Kansas, Missouri, Nebraska, South Dakota, Utah, and Wyoming)
Library of Medicine
University of Nebraska Medical Center
Omaha, NB 68105
- Region IX South Central Regional Medical Library Program (Arkansas, Louisiana, New Mexico, Oklahoma, and Texas)
University of Texas, Health Science Center
5323 Harry Hines Blvd, Dallas, TX 75235
- Region X Pacific Northwest Regional Health Science Library (Alaska, Idaho, Montana, Oregon, and Washington)
University of Washington Health Sciences Library
Seattle, WA 98195
- Region XI Pacific Southwest Regional Medical Library Service (Arizona, California, Hawaii, and Nevada)
Biomedical Library
Center for the Health Sciences
University of California at Los Angeles
Los Angeles, CA 90024



NATIONAL LIBRARY OF MEDICINE

fact*sheet

Bethesda, Maryland 20014

October 1978

BIOETHICSLINE

What is BIOETHICSLINE (BIOETHICS) ? BIOETHICS provides bibliographic 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 are 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 of Ethics, Georgetown University, BIOETHICS contains English language citations to material published from 1973 to the present. It 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, BIOETHICS contains approximately 5,500 records with plans to update this file every four months. Around 1,500 new records will be added each year. Sixty reference tools as well as seventy journals are systematically reviewed for pertinent citations on bioethical issues. In addition, four data bases are routinely searched for relevant citations: 1. MEDLINE, 2. CATLINE, 3. NEW YORK TIMES INFORMATION BANK, and 4. SCORPIO.

The information contained in BIOETHICS is also available in printed annual volumes of the *Bibliography of Bioethics* prepared by the Center for Bioethics and published by the Gale Research Company of Detroit, Michigan 48226. Each volume of the *Bibliography* includes an introduction, the Bioethics Thesaurus, a Subject Entry Section, and Title & Author Indexes.

How is BIOETHICS searched ? Citations on a given subject may be retrieved from BIOETHICS by using controlled vocabulary terms from *Medical Subject Headings* (MeSH), controlled keywords from the Bioethics

Thesaurus, or by entering free text terms as they appear in titles. Terms may be entered singly or combined by means of the Boolean operators AND, OR, and AND NOT. Personal or corporate authors, publication type, ISBN, ISSN, and year of publication are searchable elements also. Records may be printed online at the user's terminal, or offline and mailed to the user from NLM.

Where is BIOETHICS available ? BIOETHICS is available at approximately 900 academic, commercial and government organizations. Most centers provide service to biomedical personnel in the communities where they are located.

When is BIOETHICS available ? BIOETHICS is available Monday, Wednesday, and Thursday from 3:00 a.m. to 6:00 p.m.; and Tuesday and Friday from 3:00 a.m. to 9:00 p.m. (Eastern time).

How much does BIOETHICS cost ? The cost of access to the National Library of Medicine's online data bases is \$15 for each hour of "prime" computer connect time between 10-11:30 a.m. and 1-5 p.m. (E.T.) and \$8 an hour at all other times. The Library also charges 12¢ for each page of offline print-out. Subscribing institutions may recover these costs as well as the cost of a search analyst's time from their customers.

How does one subscribe to BIOETHICS ? Eleven Regional Libraries, each responsible for a geographic area, coordinate NLM's online search services in the U.S. These libraries also handle requests for health literature not available locally, passing on to NLM requests they cannot fill. To find out the nearest Online Center, or how your institution can become a Center, write to the Regional Medical Library for your area.

Region I	New England Regional Medical Library Service (Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, and Vermont) Francis A. Countway Library of Medicine Harvard University 10 Shattuck St, Boston, MA 02115	Region VII	Midwest Health Sciences Library Network (Iowa, Illinois, Indiana, Minnesota, North Dakota, and Wisconsin) John Crerar Library 33 W 33 St, Chicago, IL 60616
Region II	New York and New Jersey Regional Medical Library New York Academy of Medicine Library 2 E 103 St, New York, NY 10029	Region VIII	Midcontinental Regional Medical Library Program (Colorado, Kansas, Missouri, Nebraska, South Dakota, Utah, and Wyoming) Library of Medicine University of Nebraska Medical Center Omaha, NB 68105
Region III	Mid-eastern Regional Medical Library Service (Delaware and Pennsylvania) Library of the College of Physicians 19 S 22 St, Philadelphia, PA 19103	Region IX	South Central Regional Medical Library Program (Arkansas, Louisiana, New Mexico, Oklahoma, and Texas) University of Texas, Health Science Center 5323 Harry Hines Blvd, Dallas, TX 75235
Region IV	Mid-Atlantic Regional Medical Library (District of Columbia, Maryland, North Carolina, Virginia, and West Virginia) National Library of Medicine 8600 Rockville Pike, Bethesda, MD 20014	Region X	Pacific Northwest Regional Health Science Library (Alaska, Idaho, Montana, Oregon, and Washington) University of Washington Health Sciences Library Seattle, WA 98195
Region V	Kentucky-Ohio-Michigan Regional Medical Library Program Wayne State University Shiffman Medical Library 4325 Brush St, Detroit, MI 48201	Region XI	Pacific Southwest Regional Medical Library Service (Arizona, California, Hawaii, and Nevada) Biomedical Library Center for the Health Sciences University of California at Los Angeles Los Angeles, CA 90024
Region VI	Southeastern Regional Medical Library Program (Alabama, Florida, Georgia, Mississippi, South Carolina, Tennessee, and Puerto Rico) AW Calhoun Medical Library Emory University, Atlanta, GA 30322		

FACT SHEET

Bethesda, Maryland 20014

January 1979

HEALTH PLANNING & ADMINISTRATION DATA BASE

What is the HEALTH PLANNING & ADMINISTRATION data base?

The Health Planning & Administration data base is a new bibliographic file available through NLM's online network. It contains citations to the literature about health care planning, organization, financing, management, manpower, and related subjects. This data base is the result of a joint project with the American Hospital Association.

Initially, the citations in the file are derived from two sources: (1) relevant citations from MEDLINE (from January 1975 to present), and (2) citations from additional journals, selected for their emphasis on health care matters, and selectively indexed especially for this data base (from January 1975 to present), or citations the American Hospital Association indexes for inclusion in the *Hospital Literature Index* (from 1978 forward). The starting data base contains approximately 95,000 citations and is expected to grow at a rate of 25,000 citations per year. The file is updated monthly.

Citations to serial articles, books, and technical reports, furnished by the National Health Planning Information Center (NHPIC) of the Health Resources Administration (HRA) will be added to the file. These citations now appear in the Health Planning series of the *Weekly Government Abstracts* published by the National Technical Information Service (NTIS). Many of the documents cited are available through NTIS. In addition, monographs from CATLINE concerning health planning and administration will be included in the file later.

How is the HEALTH PLANNING & ADMINISTRATION data base searched?

The data base may be accessed using the command, FILE HEALTH PLANNING & ADMIN, or FILE HEALTH. Citations on a given subject may be retrieved by using controlled vocabulary terms from *Medical Subject Headings* (MeSH) or by entering free text terms as they appear in titles or abstracts. Terms may be entered singly or combined by means of the Boolean operators AND, OR, and AND NOT. Personal author(s), year of publication, and language are some other searchable elements. A complete list of searchable elements, with corresponding mnemonics may be obtained by using the command EXPLAIN UNIT RECORD, after completing the login to the data base. Records may be printed online at the user's terminal, or offline and mailed to the user from NLM.

Users of this data base may encounter unfamiliar journal title abbreviations in the Source field of the citations retrieved. These may be searched in SERLINE® to determine the full title of the

Where is the HEALTH PLANNING & ADMINISTRATION data base available?

When is the HEALTH PLANNING & ADMINISTRATION data base available?

How much does the HEALTH PLANNING & ADMINISTRATION data base cost?

How does one subscribe to HEALTH PLANNING & ADMINISTRATION data base?

journal. If the journal is not available at NLM, this will be indicated in the General Note field (GN) of the SERLINE record.

The file is available at approximately 900 academic, commercial, and government organizations that are members of the NLM on-line network. Most centers provide service to biomedical personnel in communities where they are located.

The file is available through the NLM computer Monday, Wednesday, and Thursday from 3:00 a.m. to 6:00 p.m.; and Tuesday and Friday from 3:00 a.m. to 9:00 p.m. (Eastern time).

The cost of access to the National Library of Medicine's on-line data bases is \$15 per hour of "prime" computer connect time between 10-11:30 a.m. and 1-5 p.m. (E.T.) and \$8 an hour at all other times. The Library also charges 12¢ for each page of offline printout. Subscribing institutions may recover these costs as well as the cost of a search analyst's time from their customers.

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Los Angeles, CA 90024



ISSN 0146-3055

THE NLM TECHNICAL BULLETIN

FEBRUARY 1979

NO. 118

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

NLN TECHNICAL BULLETIN - FEB 79

DATA BASE	TOTAL RECORDS	FILES		LATEST UPDATE TAG
		DATES COVERED	DATE LAST UPDATED	
*AVLINE	6,784	THROUGH 1979	05 MAR 79	
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	156,570	JAN 63-FEB 79	14 FEB 79	7902(ED)
*CANCERPROJ	21,646	1976-1978	11 JAN 79	7812(ED)
*CATLINE	184,022	1965-1979	05 MAR 79	
CHEMLINE	248,877		01 JUN 78	
*CLINPROT	1,168		30 SEP 78	7809(ED)
*EPILEPSY	24,177	1945-PRESENT	20 JAN 79	
*HEALTH	104,021	JAN 75-FEB 79	20 JAN 79	7902(EM)
*HISTLINE	34,728		29 JAN 79	
MEDLINE	431,816	JAN 77-MAR 79	05 FEB 79	7903(IM)
MESH VOC	14,817	1979	11 DEC 78	
*NAME AUTH	102,165	1979	09 MAR 79	
*RTECS	32,603	1978	08 JAN 79	
SDILINE	19,165	MAR 79	05 FEB 79	
*SERLINE	31,221	1978	30 OCT 78	
*TDB	2,482		30 OCT 78	
*TOXLINE	548,725		26 FEB 79	7902(ST)
CBAC	287,027	1974-VOL 29(2-3)		
TOXBIB	111,530	1974-MAR 79		
IPA	31,320	1974-OCT-NOV 78		
HEEP	68,885	1974-MAR 79		
PESTAB	15,571	1974-MAR 79		
EMIC	22,792	1960-1978		
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 NLN 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 NLN AND SUNY
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLN.

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National Library of Medicine
8600 Rockville Pike
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.

**CANCERLIT
AUTOMATIC
SDI'S** - In addition to Automatic SDI processing on SDILINE and the current TOXLINE update, monthly processing of stored searches on CANCERLIT using the Auto SDI procedures will be available beginning with the April 1979 CANCERLIT update. Users who desire to receive citations from the monthly update of CANCERLIT on a recurring basis should store their searches named in accordance with the instructions included in the updated Automatic SDI Request Form (attached) and return the form to MEDLARS Management Section.

**ALL TERA: OR
ALL TERATO:
AND TOXBACK** - When searching the concepts of teratology, teratogenesis, etc., in TOXBACK, inputting the phrase ALL TERA: or the phrase ALL TERATO: will cause the OFFSEARCH to be cancelled automatically because of a generated term overflow. (There is a limit of 1,800 unique terms which can be generated by an explosion or truncation in OFFSEARCH.) The phrases ALL TERA: or the phrase ALL TERATO: unqualified retrieve not only all of the word variations on that stem but also all the 13,248 records from the TERA subfile of TOXBACK since the acronym TERATO appears in the Secondary Source Indicator (SI) field of these records. Following are four suggestions to overcome this problem:

1. (TW) ALL TERA: limits retrieval to text words only
2. (TW) ALL TERATO:
3. ALL TERATOG: limits retrieval to TW, KW or AB
4. ALL TERATOL:

Note: Users are encouraged to use (TW) in TOXLINE and TOXBACK when building all biological concepts.

(Based on technical note from BLAISE NEWSLETTER, No. 15, Nov/Dec 1978.)

NLM TECHNICAL BULLETIN - FEB 79

**INDEXED
MONOGRAPHS**

- At the request of librarians who wish to obtain monographs indexed for Index Medicus as soon as possible in anticipation of loan requests, MEDLARS Management Section will include in the NEWS, when the MEDLINE monthly update is announced, the CATLINE citation numbers for the monographs. Librarians can then search CATLINE using the citation numbers to identify the items ahead of their publication in Index Medicus.

**HOLIDAY
SCHEDULE,**

- Following is the holiday schedule for the NLM and SUNY systems for 1979:

HOLIDAY	NLM	SUNY
George Washington's B'day (Mon, Feb 19)	UP*	UP*
Memorial Day Observed (Mon, May 28)	DOWN	UP*
Memorial Day (Wed, May 30)	UP	DOWN
Independence Day (Wed, July 4)	DOWN	DOWN
Labor Day (Mon, Sept 3)	DOWN	DOWN
Columbus Day (Mon, Oct 8)	UP*	UP*
Veterans Day (Mon, Nov 12)	UP*	UP*
Thanksgiving Day (Fri, Nov 22)	DOWN	DOWN
Christmas Day (Tues, Dec 25)	DOWN	DOWN
New Years Day (Tues, Jan 1, 1980)	DOWN	DOWN

*Non-Prime rates are in effect all day.

PUBLICATIONS

- The following NLM publications are available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C., 20402:

CUMULATED ABRIDGED INDEX MEDICUS, Volume 9, 1978
 Price: \$18.25 domestic (\$22.65 foreign).
 S/N 017-052-00197-3

INDEX OF NLM SERIAL TITLES, (1979) Casebound, two books.
 Price \$30.00 domestic (37.50 foreign).
 S/N 017-052-00196-5

MEDICAL SUBJECT HEADINGS (1979) \$7.00 domestic (\$8.75 foreign) S/N 017-052-72037-6

NATIONAL LIBRARY OF MEDICINE AUDIOVISUALS CATALOG (Annual 1978) \$11.00 domestic (13.75 foreign)
 HE 20.3609/4:978/4

LIST OF JOURNALS INDEXED IN INDEX MEDICUS, 1979 (LJI)
 \$3.50 domestic (\$4.40 foreign). S/N 017-05--00199-0

- The following publications are available from NTIS:

MESH TREE ANNOTATIONS, 1979 Price: \$6.50 PB-288-181

ONLINE SERVICES REFERENCE MANUAL SUPPLEMENT, January 1979
Price: \$9.50 PB-291-793 (\$3.00 microfiche)

OFFSEARCH

- In cases where a single search strategy can be used to retrieve citations from dissimilar files (i.e., MEDLINE is "dissimilar" to CATLINE or TOXLINE because each file has different elements), it is possible to use OFFSEARCH. To do so: (1) You must use one of the standard PRINT options (STANDARD or SD, FULL or FU, or DETAILED or DL). If one of the standard print options is not used, NLM does not guarantee the results of the offsearch.
(2) The first file name entered after the FILES? prompt cannot be the name of the file to which you are connected while you are in OFFSEARCH.

Example:

(user connected to MEDLINE

PROG:
FILES?

USER:
CATLINE, BACK72, MEDLINE

PROG:
PRINTSPECS?

USER:
FULL

AVLINE UPDATE

Linda Kudrick, Technical Services Division, NLM

AVLINE INDEXING POLICIES

During AVLINE's first two years of operation (1976-77), audiovisual titles selected for the data base were cataloged by Catalog Section staff, but were subject analyzed by Index Section staff in a manner more similar to MEDLINE indexing than to CATLINE subject cataloging. The most notable difference was the assignment of numerous non-print headings and check tags in addition to 3-5 print headings for each title. In mid-1977, catalogers began the

assignment of subject terms for a limited number of AVLINE titles; and by December 1978 had assumed responsibility for all subject cataloging, following policies generally consistent with CATLINE with one major deviation - the use of indexing check tags. The decision was then made to make AVLINE more consistent with other NLN cataloging policies in areas not affected by unique AV cataloging rules and special review data.

EFFECT ON SEARCH STRATEGY

Beginning with titles cataloged in 1979, then, the following changes have been implemented which affect search strategy (see also section 8.5.1 of online Reference Manual).

- A. When an age-group concept is appropriate for a title being cataloged, the appropriate topical subheading should be used. The former check tags translate as follows:

<u>OLD AVLINE CHECK TAG</u>	<u>NEW TOPICAL SUBHEADING</u>
INFANT, NEWBORN INFANT CHILD, PRESCHOOL CHILD	in infancy & childhood
ADOLESCENCE	in adolescence
ADULT	in adulthood
MIDDLE AGE	in middle age
AGED	in old age

- B. If the pregnancy concept is appropriate, the topical subheading is used:

<u>OLD AVLINE CHECK TAG</u>	<u>NEW TOPICAL SUBHEADING</u>
PREGNANCY	in pregnancy

All of the above terms previously used as check tags are being deleted and topical subheadings substituted where appropriate and legal by category (see the section on Cataloging Annotations in the Alphabetic MeSH). Please note that there will not be a one-to-one correspondence between the number of citations previously pulled using the old check tags and those pulled with the new subheadings since age subheadings are now only being assigned where the age concept is important and not routinely as check tags were.

EXAMPLE:

Old Search Strategy:

SS 1 /C?
USER: COGNITION DISORDERS AND DIAGNOSIS (SH) AND AGED

New Search Strategy

SS 2 /C?

USER: COGNITION DISORDERS AND DIAGNOSIS (SH) AND IN OLD AGE (SH)

- C. Age group "check tags" and the term pregnancy are still used as main headings if the content of the piece warrants it.
- D. Specific animal terms can be used as either print or non-print terms as before.
- E. The check tag HUMAN is no longer used (although the term will not be deleted from old records). Assume that all titles refer to humans unless specified otherwise (by an animal term, etc.).
- F. The check tags FEMALE and MALE are used only in special or unusual cases, not routinely. For instance, for a title "Male Breast Diseases" the MALE check tag would be warranted.

MEDICAL SUBJECT HEADINGS - 1979
Susanne Humphrey, MeSH Section, NLM

I. Please make the following corrections in Medical Subject Headings - Annotated Alphabetic List, 1979.

- P. XVI, change:

FELLOWSHIPS AND SCHOLARSHIPS		TRAINING SUPPORT (66-78)
FELLOWSHIPS AND SCHOLARSHIPS	to:	FELLOWSHIPS (75-78) - now FELLOWSHIPS AND SCHOLARSHIPS SCHOLARSHIPS (75-78) - now FELLOWSHIPS AND SCHOLARSHIPS TRAINING SUPPORT (66-74)

- p. 320, change the minor descriptor:

25-HYDROXYCHOLECALCIFEROL-1-HYDROXY
to:
25-HYDROXYCHOLECALCIFEROL-1-HYDROXYLASE

(The 1979 MeSH file will contain both forms, plus corresponding versions without hyphens for each, so that any of them may be used for indexing and searching. The incorrect ones will be deleted for 1980.)

NLN TECHNICAL BULLETIN - FEB 79

- p. 353, change the tree number of the minor descriptor JOINT COMMISSION ON ACCREDITATION OF HOSPITALS:

N3.706.110.76.410 to: N3.706.110.70.410

(The 1979 MeSH file will contain both tree numbers so that either one may be used for searching. The incorrect number will be deleted for 1980.)

- p. 552, add the mapped-to descriptor for REIMBURSEMENT, INCENTIVE:

REIMBURSEMENT, INCENTIVE see under
to:
REIMBURSEMENT, INCENTIVE see under REIMBURSEMENT MECHANISMS

- p. 552, add the XU to REIMBURSEMENT MECHANISMS corresponding to the "see under" in the preceding erratum

REIMBURSEMENT MECHANISMS to: REIMBURSEMENT MECHANISMS
XU REIMBURSEMENT, PROSPECTIVE XU REIMBURSEMENT, INCENTIVE
XU REIMBURSEMENT, PROSPECTIVE

II. The following corrections apply only to copies of Medical Subject Headings - Annotated Alphabetic List, 1979 distributed directly by the National Library of Medicine and not printed or ordered through NTIS. NTIS copies were corrected before printing.

- p. XV, change:

*NUCLEOTIDYLEXOTRANSFERASE DNA NUCLEOTIDYLTRANSFERASES (68-78)
TRANSFERASES (64-67)
to:
*DNA NUCLEOTIDYLEXOTRANSFERASE DNA NUCLEOTIDYLTRANSFERASES (68-78)
TRANSFERASES (64-67)

- p. XL, change:

*CLAUSTRUM (ep) GANGLIA, BASIL
to:
*CLAUSTRUM (ep) GANGLIA, BASAL

- p. XCI, change the following line in the paragraph preceding the CARBOXYHEMOGLOBIN example:

indicator) since provisional headings could appear with an asterisk in
to:
indicator) since provisional headings could not appear with an asterisk in

III. Please make the following corrections in Medical Subject Headings - Tree Structures, 1979.

- p. 225, change:

25-HYDROXYCHOLECALCIFEROL-1-HY * D8.586.682.420.783.400
to:
25-HYDROXYCHOLECALCIFEROL-1-
HYDROXYLASE D8.586.682.420.783.400

(The 1979 MeSH file will contain both forms, plus corresponding versions without hyphens for each, so that any of them may be used for indexing and searching. The incorrect ones will be deleted for 1980.)

p. 419, change:

JOINT COMMISSION ON ACCREDITATION
OF HOSPITALS *

N3.706.110.76.410

to:

JOINT COMMISSION ON ACCREDITATION
OF HOSPITALS *

N3.706.110.70.410

(The 1979 MeSH file will contain both tree numbers so that either one may be used for searching. The incorrect number will be deleted for 1980.)

NEW SERIALS ANNOUNCEMENT - JANUARY 1979
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.

ACADEMY FORUM
22,1978--
AMERICAN ACADEMY OF PSYCHOANALYSIS
CONTINUES ACADEMY.
NEW YORK UNITED STATES
IN PROCESS

AKTUELLE BERLINER FORTBILDUNGSREIHE
1,1978--
VERLAG CARL BINDERNAGEL
FRIEDBERG GERMANY, WEST
VERLAG CARL BINDERNAGEL, FRANKFURTER
STRASSE 27, POSTFACH 1208, 6360
FRIEDBERG/HESSEN, WEST GERMANY
IN PROCESS

IM ACTA MICROBIOLOGICA BULGARICA
1,1978--
BULGARIAN ACADEMY OF SCIENCES
FORMED BY THE MERGER OF PRILOZHNA
MIKROBIOLOGIJA AND ACTA MICROBIOLOGICA,
VIROLOGICA ET IMMUNOLOGICA
SOFIA BULGARIA
WI AC8625H

AKTUELLE NEUROLOGIE UND PSYCHIATRIE
3,1978--
SPRINGER VERLAG
CONTINUES ALMANACH FUR NEUROLOGIE UND
PSYCHIATRIE.
BERLIN GERMANY, WEST
IN PROCESS

IM ACTA MICROBIOLOGICA BULGARICA
1,1978--
BULGARIAN ACADEMY OF SCIENCES
FORMED BY THE MERGER OF PRILOZHNA
MIKROBIOLOGIJA AND ACTA MICROBIOLOGICA,
VIROLOGICA ET IMMUNOLOGICA
SOFIA BULGARIA
WI AC8625H

ALLIED HEALTH EDUCATION DIRECTORY
7,1978--
ANA COMMITTEE ON ALLIED HEALTH EDUCATION
AND ACCREDITATION
CONTINUES ALLIED MEDICAL EDUCATION DIRECTORY
CHICAGO UNITED STATES
ON ORDER-UCLA

NLM TECHNICAL BULLETIN - FEB 79

- ARS MEDICA. 4. ABTEILUNG: LANDESSPRACHIGE
UND MITTELALTERLICHE MEDIZIN
1,1978--
DE GRUYTER
BERLIN GERMANY, WEST
KZ 292 A783
- ARZNEIMITTEL-KOMPENDIUM DER SCHWEIZ
1978--
VERLAG DOCUMED
BASEL SWITZERLAND
IN PROCESS
- BETADRENOL-SYMPOSIUM
1,1977--
URBAN AND SCHWARZENBERG
MUNICH GERMANY, WEST
IN PROCESS
- BIOLOGICAL TRACE ELEMENT IN RESEARCH
1,1979--
HUMANA PRESS
CLIFTON NJ UNITED STATES
ON ORDER - UCLA
- BRITISH MYCOLOGICAL SOCIETY SYMPOSIUM SERIES
NI,1977--
ACADEMIC PRESS
LONDON ENGLAND
IN PROCESS
- BULLETIN - ACADEMIE SERBE DES SCIENCES ET
DES ARTS. CLASSE DES SCIENCES NATURELLES ET
MATHÉMATIQUES. SCIENCES NATURELLES
N15,1977--
ACADEMIE SERBE DES SCIENCES ET DES ARTS
CONTINUES BULLETIN DE L ACADEMIE SERBE DES
SCIENCES ET DES ARTS. CLASSE DE SCIENCES
MATHÉMATIQUES ET NATURELLES. SCIENCES
NATURELLES.
BEOGRAD
IN PROCESS
- CANCEROLOGIE
1976--
MASSON
CANCEROLOGIE 1976 PUBLISHED BY LIBRAIRIE
ARNETTE, PARIS, 1977.
PARIS FRANCE
IN PROCESS
- CLINICAL MONOGRAPHS IN HEMATOLOGY
1,1979--
STRATTON INTERCONTINENTAL MEDICAL BOOK CORP
NEW YORK UNITED STATES
IN PROCESS
- CURRENT BIBLIOGRAPHIC DIRECTORY OF THE ARTS
AND SCIENCES
1979--
INSTITUTE FOR SCIENTIFIC INFORMATION
CONTINUES ISIS WHO IS PUBLISHING IN SCIENCE.
PHILADELPHIA UNITED STATES
ON ORDER
- CURRENT TOPICS IN HEMATOLOGY
1,1978--
ALAN R. LISS
NEW YORK UNITED STATES
IN PROCESS
- DEVELOPMENTS IN CANCER RESEARCH
1,1979--
ELSEVIER-NORTH HOLLAND
NEW YORK UNITED STATES
ON ORDER - CIP
- DEVELOPMENTS IN FOOD SCIENCE
1,1978--
ELSEVIER SCIENTIFIC PUBLISHING
AMSTERDAM NETHERLANDS
IN PROCESS
- DEVELOPMENTS IN IMMUNOLOGY
1979?--
ELSEVIER/NORTH-HOLLAND
NEW YORK UNITED STATES
ON ORDER - CIP
- DEVELOPMENTS IN NEUROLOGY
1,1978--
ELSEVIER NORTH-HOLLAND BIOMEDICAL PRESS
AMSTERDAM NETHERLANDS
IN PROCESS
- DEVICES AND TECHNOLOGY BRANCH CONTRACTORS
MEETING PROCEEDINGS
1978--
U.S. NATIONAL HEART, LUNG, AND BLOOD
INSTITUTE
CONTINUES DEVICES AND TECHNOLOGY BRANCH
CONTRACTORS CONFERENCE PROCEEDINGS.
BETHESDA UNITED STATES
GPO DEPOSITORY ACCOUNT NO. 1046
ON ORDER
- DIABETES DATA
1976--
U.S. DHEW, PUBLIC HEALTH SERVICE, NIH
BETHESDA UNITED STATES
IN PROCESS
- EUROPEAN JOURNAL OF ORTHODONTICS
1,1979--
LONGMAN GROUP
EDINBURGH SCOTLAND
ON ORDER
- EXPERIMENTAL GENETICS
1,1979--
ALAN LISS
NEW YORK UNITED STATES
ON ORDER
- GESTALT JOURNAL
1,WINTER 1978--
CENTER FOR GESTALT DEVELOPMENT
NEW YORK UNITED STATES
CENTER FOR GESTALT DEVELOPMENT PO BOX
395 NEW YORK, NY 10024
N1 6E826
- GRADUATE MEDICAL EDUCATION IN THE EUROPEAN
REGION; SUPPLEMENTARY REPORT
1,1978--
WHO REGIONAL OFFICE FOR EUROPE
COPENHAGEN DENMARK
IN PROCESS
- ICROB CANCERGRAM. MELANOMA AND OTHER SKIN
CANCER
N1,DEC,1976--
DHEW NATIONAL CANCER INSTITUTE
BETHESDA UNITED STATES
ZSR 500 I11

ICRDB CANCERGRAM. MOLECULAR BIOLOGY.
 PROTEINS, POLYPEPTIDES, AMINO ACIDS
 DEC. 1978--
 U.S. DHEW NATIONAL CANCER INSTITUTE
 NTISUB ; D/327-001, ETC. ISSUED AS A
 SERVICE OF THE INTERNATIONAL CANCER
 RESEARCH DATA BANK PROGRAM. PREPARED BY
 THE CANCER INFORMATION DISSEMINATION AND
 ANALYSIS CENTER FOR VIROLOGY, IMMUNOLOGY,
 AND BIOLOGY.
 BETHESDA UNITED STATES
 ZQZ 206 I11CA

ICRDB CANCERGRAM. REHABILITATION AND
 SUPPORTIVE CARE
 NI, DEC. 1978--
 US. DHEW NATIONAL CANCER INSTITUTE
 BETHESDA UNITED STATES
 ZQZ 200.3 I11

IPU REVIEW
 1, 1976?--
 IRISH PHARMACEUTICAL UNION
 DUBLIN IRELAND
 IRISH PHARMACEUTICAL UNION, MICHAEL RYAN,
 PUBLIC RELATIONS PRACTITIONERS, 1 HOLLES
 STREET, DUBLIN 2, IRELAND
 ON ORDER

JOURNAL OF THE BRITISH CONTACT LENS
 ASSOCIATION
 1, 1976?--
 BRITISH CONTACT LENSES ASSOCIATION
 ENGLAND
 ON ORDER

JOURNAL OF POSTGRADUATE PHARMACY. COMMUNITY
 EDITION
 1, 1979--
 OMEGA COMMUNICATIONS
 SPRINGFIELD NJ UNITED STATES
 OMEGA COMMUNICATIONS, INC., 110 HILLSIDE
 AVENUE, SPRINGFIELD, N.J. 07081
 ON ORDER

JOURNAL OF POSTGRADUATE PHARMACY. HOSPITAL
 EDITION
 1, 1979--
 OMEGA COMMUNICATIONS
 SPRINGFIELD N J UNITED STATES
 OMEGA COMMUNICATIONS, INC., 110 HILLSIDE
 AVENUE, SPRINGFIELD, N.J. 07081
 ON ORDER

JOURNAL FOR SPECIAL EDUCATORS
 15NI, 1978--
 AMERICAN ASSOCIATION OF SPECIAL EDUCATORS,
 INC
 CONTINUES JOURNAL FOR SPECIAL EDUCATORS OF
 THE MENTALLY RETARDED.
 VALLEY COTTAGE NY UNITED STATES
 IN PROCESS

JOURNAL OF VETERINARY PHARMACOLOGY AND
 THERAPEUTICS
 1, MAR, 1978--
 BLACKWELL
 OXFORD ENGLAND
 ON ORDER

NEUROTOXICOLOGY
 1, 1978/79--
 PATHOTOX PUBLISHERS
 PARK FOREST IL UNITED STATES
 ON ORDER

PRAEVENTION
 1NI, 1978--
 SUEDEDEUTSHE VERLAGSGESELLSCHAFT ULM
 ULM GERMANY, WEST
 IN PROCESS

PRIMATOLOGIA
 1, 1978--
 KARGER
 BASEL SWITZERLAND
 ON ORDER

SCHRIFTENREIHE MANUELLE MEDIZIN
 3, 1978--
 VERLAG FUR MEDIZIN DR EMALD FISCHER
 FIRST TWO VOLS. HAD NO NUMBERING.
 HEIDELBERG GERMANY, WEST
 IN PROCESS

SCIENTOMETRICS
 1, SEPT. 1978--
 ELSEVIER SCIENTIFIC PUB. CO
 AMSTERDAM NETHERLANDS
 NI SC8705

SYNOPSIS AND PROCEEDINGS OF THE COUNCIL
 MEETING - MASSACHUSETTS MEDICAL SOCIETY
 1977--
 MASSACHUSETTS MEDICAL SOCIETY
 CONTINUES SUMMARY AND PROCEEDINGS OF THE
 COUNCIL MEETING - MASSACHUSETTS MEDICAL
 SOCIETY.
 BOSTON UNITED STATES
 MASSACHUSETTS MEDICAL SOCIETY, 22, THE
 FEINJAY, BOSTON, MA. 02215
 IN PROCESS

VETERINARY QUARTERLY
 1, 1979--
 NI, HOFF
 SUPERSEDES QUARTERLY ENGLISH ISSUE OF
 TIJDSCHRIFT VOOR DIERGENESKUNDE.
 NETHERLANDS
 ON ORDER

LIST OF MONOGRAPHS INDEXED
MARCH 1979

I

International Symposium on Platelets: a Multidisciplinary Approach, Florence, 1977. Platelets: a multidisciplinary approach / editors, Giovanni de Gactano, Silvio Garattini. — New York: Raven Press, c1978. xv, 485 p.: ill. — (Monographs of the Mario Negri Institute for Pharmacological Research) Organized by the Mario Negri Institute of Milan and other agencies.

I. Blood Platelets — congresses I. De Gactano, Giovanni, ed. II. Garattini, Silvio, ed. III. Title IV. Series: Istituto di ricerche farmacologiche 'Mario Negri.' Monographs

ISBN 0-89004-252-7 L.C. 78-66352
OCLM: WH 300 1624p 1977
IM Cit. No. 7805261 (rev. CIP.)

Price: 39.00

International Symposium 'State of Prevention and Therapy in Human Arteriosclerosis and in Animal Models,' Münster, 1977. International Symposium 'State of Prevention and Therapy in Human Arteriosclerosis and in Animal Models': unter der Schirmherrschaft der Rheinisch-Westfälischen Akademie der Wissenschaften / [Hrsg.] von Werner H. Haas, Robert W. Wisler, and Rolf Lehmann. — Opladen: Westdeutscher Verlag, c1978. xx, 574 p.: — (Abhandlungen der Rheinisch-Westfälischen Akademie der Wissenschaften; Bd. 63) Papers presented at a symposium held in Münster/Westfalen, June 22d to June 25th, 1977 and organized by the Institute of Arteriosclerosis Research.

I. Arteriosclerosis — congresses 2. Disease Models, Animal — congresses I. Haas, Werner Heinrich, 1907— ed. II. Lehmann, Rolf, ed. III. Wisler, Robert William, 1917— ed. IV. Institut für Arterioskleroseforschung. V. Rheinisch-Westfälische Akademie der Wissenschaften. VI. Title: State of prevention and therapy in human arteriosclerosis and in animal models. VII. Series

ISBN 3-531-05077-X

OCLM: WG 550 1622i 1977

IM Cit. No. 7808755

T

A Therapeutic approach to the psyche via the beta-adrenergic system: proceedings of a symposium held during the Vth World Congress of Psychiatry, Honolulu, Hawaii, August 1977 / edited by P. Kielholz. — Baltimore: University Park Press, c1978. 89 p.: ill.

I. Adrenergic Beta Receptor Blockers — therapeutic use — congresses 2. Mental Disorders — drug therapy — congresses I. Kielholz, Paul, 1916— ed. II. World Congress of Psychiatry, 6th, Honolulu, 1977.

ISBN 0-8391-1270-X L.C. 78-57587

OCLM: WM 402 T398 1977

IM Cit. No. 7900221

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S001 through S200	T001 through T200	C001 through C200	SDILINE: TOXLINE: PRINT STANDARD CANCERLIT:
S201 through S400	T201 through T400	C201 through C400	SDILINE: PRINT FULL, INCLUDE RP TOXLINE: PRINT FULL CANCERLIT: PRINT FULL
S401 through S600	T401 through T600	C401 through C600	SDILINE: PRINT AU, TI, SO, TT, LA, MH, AB, RP TOXLINE: PRINT DETAILED CANCERLIT: PRINT DETAILED
S601 through S700	T601 through T700	C601 through C700	SDILINE: PRINT AU, TI, SO, AB TOXLINE: PRINT SI, AU, TI, SO, AA CANCERLIT: PRINT AU, TI, SO, AB, PT
S701 through S800	T701 through T800	C701 through C800	SDILINE: _____ (specify print elements, separated by commas) TOXLINE: _____ (specify print elements, separated by commas) CANCERLIT: _____ (specify print elements, separated by commas)

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4. It is the responsibility of each center to submit a revised Automatic SDI Request Form (1) if there is a change in the address to which all SDI's for the center are to be sent or (2) if there is a change in the elements to be printed for searches stored within the number range 701 through 800.

5. One of these forms must be submitted for each file against which Automatic SDI's will be processed. That is, if the code XYZ01 will be storing "S" searches, "T" searches, and "C" searches, three forms must be submitted.

*TOXLINE STORESEARCHES which are run automatically by MLM will be processed only against the current month's update of the TOXLINE file. This is also true for CANCERLIT STORESEARCHES.

THE NLM TECHNICAL BULLETIN

MARCH 1979

NO. 119

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PHONES LIST	APPENDIX A

NLM TECHNICAL BULLETIN - MAR 79

DATA BASE	TOTAL RECORDS	FILES DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	6,908	THROUGH 1979	29 MAR 79	
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	7,129	JAN 73-DEC 78	20 MAR 79	7903(EM)
*CANCERLIT	159,167	JAN 63-MAR 79	15 MAR 79	7903(ED)
*CANCERPROJ	21,646	1976-1978	11 JAN 79	7812(ED)
*CATLINE	185,070	1965-1979	29 MAR 79	
CHEMLINE	362,537		02 APR 79	
*CLINPROT	1,168		30 SEP 78	7809(ED)
*EPILEPSY	24,177	1945-PRESENT	20 JAN 79	
*HEALTH	109,460	JAN 75-APR 79	12 MAR 79	7904(EM)
*HISTLINE	34,728		29 JAN 79	
MEDLINE	451,834	JAN 77-APR 79	05 MAR 79	7904(IM)
MESH VOC	14,817	1979	11 DEC 78	
*NAME AUTH	102,640	1979	03 APR 79	
*RTECS	33,929	1978	20 MAR 79	
SDILINE	20,018	APR 79	05 MAR 79	
*SERLINE	31,832	1979	12 MAR 79	
*TDB	2,482		30 OCT 78	
*TOXLINE	548,725		26 FEB 79	7903(ST)
CBAC	294,554	1974-VOL 29(2-3)		
TOXBIB	113,173	1974-MAR 79		
IPA	31,631	1974-OCT-NOV 78		
HEEP	69,281	1974-MAR 79		
PESTAB	15,571	1974-MAR 79		
EMIC	22,792	1960-1978		
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.
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- 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 Editor: Carolyn B. Tilley

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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.

NLM ZIP CODE - The U.S. Postal Service has provided NLM with its own unique Zip Code. Correspondence should now be addressed to:

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PHONES - An updated list of telecommunications access numbers for NLM and SUNY is attached as Appendix A.

GREEK CHARACTERS - During MEDLARS I (1966-1974), Greek characters such as (alpha), (beta), (gamma), etc. in the titles of articles were input to the MEDLINE files and printed in Index Medicus as Greek forms. With MEDLARS II (1975 to the present), Greek characters are spelled out in English, allowing them to be searched as text words or string-searched. No method is available to search Greek characters, when they were input as Greek forms, prior to 1975.

HINTS FOR INDEXING AND SEARCHING BIOCHEMICAL GENETICS
Mary Hantzes, Index Section, NLM

MeSH defines biochemical genetics as "a branch of genetics which deals with the chemical structure of the genes and with the mechanisms by which the genes control and regulate the structure and synthesis of proteins." Searchers may be interested in an expanded definition and the application of this definition to the literature indexed and to be searched, as well as a list of concepts in the field as cues for searching this type of material. An expanded definition includes the study of the chemical and physical nature of the genetic material; its organization into functional units; its activities, including replication, transcription, and translation, and the mechanisms by which they are controlled; the mechanisms by which it controls the development and maintenance of the cell, the individual, and the species.

GENETICS, BIOCHEMICAL (G5.331) and the terms indented under it in the MeSH tree structures group the MeSH headings in the field. Many concepts which appear in genetics literature are not included in this list because they are not terms restricted to the field of biochemical genetics. If the chemistry of these genetic concepts is the subject of this literature, then they fall into the realm of biochemical genetics.

The following list of concepts may be considered as an adjunct to consultation with a requestor when searching the field. The list is grouped by related concepts with introductory comments; it is not by MeSH categories. Concepts in lower case, in brackets, are not MeSH headings, but they appear often in biochemical genetics articles. Following these terms in parentheses are suggested MeSH headings under which a searcher may retrieve relevant citations when paired with text word searches or other related headings.

1. The chemistry of the genetic material:

NUCLEIC ACID PRECURSORS

NUCLEIC ACIDS

DNA

- DNA, BACTERIAL
- DNA, CIRCULAR
- DNA, SUPERHELICAL
- [DNA, heteronuclear] (specific DNA)
- DNA, MITOCHONDRIAL
- DNA, NEOPLASM
- DNA, RECOMBINANT
- DNA, SATELLITE
- DNA, SINGLE STRANDED
- DNA, VIRAL

RNA

- RNA, BACTERIAL
- RNA, HETEROGENEOUS NUCLEAR
- RNA, MESSENGER
- RNA, NEOPLASM
- RNA, RIBOSOMAL
- RNA, TRANSFER
- AMINO ACYL T RNA
- RNA, VIRAL
- NUCLEOSIDES (all specifics)
- NUCLEOTIDES (all specifics)

2. The chemistry of the functional units of the genetic material:

ANTICODON

[Attachment sites] (RECOMBINATION, GENETIC or LYSOGENY and specific phage and DNA, BACTERIAL)

[Attenuator] (TRANSCRIPTION, GENETIC or OPERON)

CHROMATIN

- [Euchromatin] (CHROMATIN)
- HETEROCHROMATIN
- [Nucleosomes or Nu bodies] (CHROMATIN)
- SEX CHROMATIN

CHROMOSOMES

CENTROMERE

CHROMATIDS

CHROMOSOMES, BACTERIAL

CHROMOSOMES, HUMAN (and specific groups)

[Chromosomes, viral] (CHROMOSOMES or DNA, VIRAL or RNA, VIRAL)

SEX CHROMOSOMES

X CHROMOSOME

Y CHROMOSOME

[Cistron] (specific protein/genetics or TRANSLATION, GENETIC or GENES, STRUCTURAL)

CODON

[Extrachromosomal elements] (EXTRACHROMOSOMAL INHERITANCE and specific DNA segment)

PLASMIDS

F FACTORS

R FACTORS

GENES

ALLELES

GENES, SUPPRESSOR

GENES, VIRAL

[Genetic vectors or cloning vehicles] (DNA, RECOMBINANT and specific DNA, i.e., PLASMIDS, phage or viral)

[Heteroduplexes] (specific DNA)

[Intervening sequences] (specific protein and gene and BASE SEQUENCE)

[Leader region] (specific protein and gene and BASE SEQUENCE)

[Okazaki fragments] (DNA REPLICATION)

OPERON

GENES, REGULATOR

GENES, STRUCTURAL

LAC OPERON

[Operator] (OPERON and specific protein/genetics)

[Promoter] (OPERON and specific protein/genetics)

POLYRIBOSOMES

[Replicon] (DNA REPLICATION and GENES, STRUCTURAL)

RIBOSOMES

TEMPLATES

[Transposable elements] (RECOMBINATION, GENETIC and DNA segment and insertion site or R FACTORS)

[Transposons] (RECOMBINATION, GENETIC and insertion site)

[Insertion elements or insertion sequences] (RECOMBINATION GENETIC and specific insertion site)

3. The chemistry of genetic information transfer:

DNA REPLICATION

[Base pairing] (DNA REPLICATION)

DNA REPAIR

[Excision repair] (DNA REPAIR)

[Okazaki fragments] (DNA REPLICATION)

[Replicon] (DNA REPLICATION and GENES, STRUCTURAL)

MUTATION

[Amber mutation] (MUTATION)

[Frameshift mutation] (MUTATION)

[Degeneracy] (GENETIC CODE)
 [Redundancy] (GENETIC CODE)
 [Wobble] (GENETIC CODE)

LINKAGE

NUCLEIC ACID CONFORMATION

NUCLEIC ACID DENATURATION

NUCLEIC ACID RENATURATION

[Polarity] (TRANSCRIPTION, GENETIC or OPERON)

POLYMORPHISM

5. ENZYMES involved in genetic information transfer and the regulation of gene expression:

AMINO ACYL T RNA SYNTHETASES

[DNA gyrase] (DNA, SUPERHELICAL)

DNA LIGASES

DNA JOINASES

DNA METHYLASE

DNA NUCLEOTIDYLTRANSFERASES

DNA POLYMERASES

DNA POLYMERASE I

DNA POLYMERASE II

DNA POLYMERASE III

REVERSE TRANSCRIPTASE

DNA UNTWISTING PROTEINS

DNA UNWINDING PROTEINS

DNA RESTRICTION ENZYMES

ENDONUCLEASES

EXONUCLEASES

DEOXYRIBONUCLEASES

GLUTAMINE SYNTHETASE

PEPTIDE SYNTHETASES

PEPTIDYL TRANSFERASES

POLYNUCLEOTIDE SYNTHETASES

POLYDEOXYRIBONUCLEOTIDE SYNTHETASES

POLYRIBONUCLEOTIDE SYNTHETASE

RIBONLEASE

RNA NUCLEOTIDYLTRANSFERASES

POLYNUCLEOTIDE PHOSPHORYLASE

Q BETA REPLICASE

RNA POLYMERASES

RNA POLYMERASE I

RNA POLYMERASE II

RNA POLYMERASE III

RNA REPLICASE

RNA, TRANSFER, METHYLTRANSFERASES

6. PROTEINS involved in transcription, translation, and regulation of gene expression:

[Antitermination factors] (TRANSCRIPTION, GENETIC)

[C protein] (TRANSCRIPTION, GENETIC)

[Catabolite activator protein or CAP] (TRANSCRIPTION, GENETIC)

CYCLIC AMP RECEPTORS

[Inducers] (TRANSCRIPTION, GENETIC or specific protein/genetics or ENZYME INDUCTION)

[N protein] (TRANSCRIPTION, GENETIC)

NUCLEOPROTEINS

CHROMOSOMAL PROTEINS, NON-HISTONE

DEOXYRIBONUCLEOPROTEINS

HISTONES

PROTAMINES

RIBONUCLEOPROTEINS

PEPTIDE FLONGATION FACTORS

PEPTIDE INITIATION FACTORS

PEPTIDE TERMINATION FACTORS

[Regulator proteins] (Specific protein/genetics)

REPRESSOR PROTEINS

RIBOSOMAL PROTEINS

[Stringent factor] (RIBOSOMAL PROTEINS and BACTERIAL PROTEINS)

TRANSCRIPTION FACTORS

SIGMA FACTOR

RHO FACTOR

7. NUCLEOTIDES involved in control of genetic transcription:

[Magic spot I] (GUANOSINE TETRAPHOSPHATE)

[Magic spot II] (GUANOSINE PENTAPHOSPHATE)

8. The chemistry involved in genetic control of cell processes and development:

CELL DIFFERENTIATION

ENZYME INDUCTION

ENZYME REPRESSION

MORPHOGENESIS

[Self assembly] (specific organoid/metabolism or specific virus/growth & development and MORPHOGENESIS)

9. The chemistry involved in variation, speciation and evolution:

Enzyme and protein POLYMORPHISM

BLOOD GROUP ANTIGENS

IMMUNOGLOBULIN ALLOTYPES

HL-A ANTIGENS

MUTATION

10. Biochemical genetic technics:

CHROMOSOME BANDING

CHROMOSOME MAPPING

GENETIC INTERVENTION

[Gene cloning] (DNA, RECOMBINANT and GENETIC INTERVENTION)

[Gene splicing] (DNA, RECOMBINANT and GENETIC INTERVENTION)

[Gene sequencing] (BASE SEQUENCE)

[Heteroduplex analysis] (BASE SEQUENCE)

NUCLEIC ACID HYBRIDIZATION
[Mutation assay] (MUTATION and GENETIC TECHNICS)

11. Most frequently studied organisms as tools for characterization of genetic material:

VIRUSES

BACTERIOPHAGES
COLIPHAGES
LAMBDA PHAGE

[Prokaryotes] (specific organism)

ALGAE, BLUE-GREEN
BACTERIA
ESCHERICHIA COLI
SALMONELLA TYPHIMURIUM

[Eukaryotes] (specific organism)

ALGAE, GREEN
FUNGI
SLIME MOLDS
NEUROSPORA
YEASTS
SACCHAROMYCES
PROTOZOA
PAREMECIUM
DROSOPHILA

NEW SERIALS ANNOUNCEMENT - FEBRUARY 1979
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.

	ALCOHOLISM: TREATMENT 2,1977-- EDEN PRESS CONTINUES ALCOHOL AND ALCOHOLISM. MONTREAL CANADA ON ORDER-UCLA	AMERICAN JOURNAL OF OTOLARYNGOLOGY 1,1979-- W.B. SAUNDERS PHILADELPHIA UNITED STATES ON ORDER
IM	AMERICAN JOURNAL OF CHINESE MEDICINE 7,SPRING 1979-- INSTITUTE FOR ADVANCED RESEARCH IN ASIAN SCIENCE AND MEDICINE CONTINUES COMPARATIVE MEDICINE EAST AND WEST. ADDED COVER TITLE: MEI-CHOU CHUNG-KUO I HSUEH TSA CHIH. NEW YORK UNITED STATES AMERICAN JOURNAL OF CHINESE MEDICINE, P.O. BOX 555, GARDEN CITY, NEW YORK 11530 WL AM449MB	ANNALS DEL COLLEGI OFICIAL DE VETERINARIS DE LA PROVINCIA 395,1978-- AVGDA DE LA REPUBLICA ARGENTINA CONTINUES ANALES DEL COLEGIO OFICIAL DE VETERINARIOS DE LA PROVINCIA. BARCELONA SPAIN IN PROCESS

NLN TECHNICAL BULLETIN - MAR 79

- BIOGENIC AMINES AND TRANSMITTERS IN THE NERVOUS SYSTEM, CUMULATIVE BIBLIOGRAPHY 1977--**
BRAIN INFORMATION SERVICE, UCLA
CONTINUES BIOGENIC AMINES IN THE CENTRAL NERVOUS SYSTEM, A BIBLIOGRAPHY
LOS ANGELES UNITED STATES
IN PROCESS
- CHUNG-HUA CHIEH HO HO HU HSI CHI PING TSA CHIH**
1,1978--
PEKING TUNG SSU HSI TA CHIEH
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IN PROCESS
- COMPREHENSIVE ENDOCRINOLOGY**
1,1979--
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ON ORDER - UCL
- CURARE**
1,1978--
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WIESBADEN GERMANY, WEST
ON ORDER
- DEUTSCHE BIBLIOGRAPHIE B. ERSCHENUNGEN AUSSERHALB DES VERLAGSBUCHHANDELS**
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CONTINUES DEUTSCHE BIBLIOGRAPHIE. B ERSCHENUNGEN AUSSERHALB DES BUCHHANDELS
FRANKFURT AM MAIN GERMANY
IN PROCESS
- DEUTSCHE BIBLIOGRAPHIE B. ERSCHENUNGEN AUSSERHALB DES VERLAGSBUCHHANDELS**
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DEUTSCHE BIBLIOTEK
CONTINUES DEUTSCHE BIBLIOGRAPHIE. B ERSCHENUNGEN AUSSERHALB DES BUCHHANDELS
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- FERTILITY AND CONTRACEPTION**
1,1977--
FAMILY PLANNING INFORMATION SERVICE
SUPERSEDES MEDICAL NEWSLETTER OF THE FAMILY PLANNING ASSOCIATION.
LONDON ENGLAND
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- IM FORENSIC SCIENCE INTERNATIONAL**
12N2,1978--
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CONTINUES FORENSIC SCIENCE
LAUSANNE SWITZERLAND
W1 F0615I
- HEALTH PLANNING LAW REPORTER**
1N1,OCT 1978--
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WASHINGTON UNITED STATES
IN PROCESS
- IM JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY**
93,1979--
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CONTINUES ZEITSCHRIFT FUR KREBSFORSCHUNG UND KLINISCHE ONKOLOGIE
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W1 J0574E
- MAROC MEDICAL**
1,1978--
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CASABLANCA MOROCCO
W1 MA66B
- NATIONS USE OF HEALTH RESOURCES**
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U.S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
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W2 A N1482N
- IM NOUVELLE REVUE FRANCAISE D HEMATOLOGIE**
21,1979--
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CONTINUES NOUVELLE REVUE FRANCAISE D HEMATOLOGIE; BLOOD CELLS.
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- IM NOUVELLE REVUE FRANCAISE D HEMATOLOGIE**
21,1979--
SPRINGER VERLAG
CONTINUES NOUVELLE REVUE FRANCAISE D HEMATOLOGIE; BLOOD CELLS.
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- ONCOLOGY**
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- ORAL SCIENCE**
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- PERSPECTIVES**
1,MAR 1976--
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W1 PE8705G
- PHYSICIAN EAST**
1,1979--
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SUPERSEDES MASSACHUSETTS PHYSICIAN.
BOSTON UNITED STATES
IN PROCESS
- PROGRESS IN ANALYTICAL ATOMIC SPECTROSCOPY**
1,1979--
PERGAMON PRESS
OXFORD ENGLAND
ON ORDER

REPORT OF THE DIRECTOR OF THE NATIONAL HEART, LUNG, AND BLOOD INSTITUTE 4TH, 1977--
DHEW. NATIONAL HEART, LUNG AND BLOOD INSTITUTE
CONTINUES REPORT OF THE DIRECTOR OF THE NATIONAL HEART AND LUNG INSTITUTE.
BETHESDA UNITED STATES
IN PROCESS

REVUE BELGE D ACUPUNCTURE
N1, MARS, 1978--
ASSOCIATION BELGE DES MEDECINS ACUPUNCTEURS
BRUXELLES BELGIUM
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ACUPUNCTEURS, SQUARE AMBIORIX 49A, 1040
BRUXELLES, BELGIUM
ON ORDER

TOPICS IN EMERGENCY MEDICINE
1, APRIL 1979--
ASPEN SYSTEMS CORPORATION
GERMANTOWN MD UNITED STATES
ON ORDER - UCLA

UNFALLCHIRURGIE
1, 1978--
URBAN AND SCHWARZENBERG
MUENCHEN GERMANY, WEST
ON ORDER

WESTERN JOURNAL OF NURSING RESEARCH
1, 1979--
PHILIPS-ALLEN
PUBLISHERS ADDRESS: 1330 S. STATE COLLEGE
BLVD. ANAHEIM, CALIFORNIA 92806
ANAHEIM CA UNITED STATES
ON ORDER-UCLA

LIST OF MONOGRAPHS INDEXED
APRIL 1979

D

Depressive disorders symposium, Rome, May 9th-11th, 1977 / chairman, S Garattini — Stuttgart, New York Schattauer Verlag, c1978 x, 481 p ill — (Symposia medica Hoechst, 13)
1 Antidepressive Agents - congresses 2 Depression - congresses I Garattini, Silvio II Title Symposium on depressive disorders III Series
ISBN 3-7945-0621-9
04NLM W3 SY1055 v 13 1977
0XNLM [WM 171 D4245 1977]
IM Cit No 7809169

Dynamic properties of glia cells an interdisciplinary approach to their study in the central and peripheral nervous system an international symposium held at Liege, Belgium, from 29-31 August 1977 / edited by E Schoffeniels [et al] — Oxford, New York Pergamon Press, c1978 xv, 467 p ill Satellite symposium to the sixth international meeting of the International Society for Neurochemistry, and sponsored by the Faculty of Medicine of the University of Liège, the Belgian Society of Neurology, and the International Society for Neurochemistry
1 Neuroglia - congresses I Schoffeniels, Ernest, ed II International Society for Neurochemistry III Société belge de neurologie IV Université de Liège Faculte de médecine V Title Symposium on dynamic properties of glia cells
ISBN 0-08-021555-6
04NLM WL 102 3 D997 1977
IM Cit No 7900563

P

Peripheral neuroendocrine interaction / edited by R E Coupland and W G Forssmann, with contributions by H Billich [et al] — Berlin, New York Springer-Verlag, 1978 x, 169 p ill Contributions to a symposium presented as part of the program of the Four European Anatomical Congress, held in Basel, Switzerland in 1977
1 Autonomic Nervous System - physiology - congresses 2. Endocrine Glands - physiology - congresses 3 Neurosecretion - congresses 4 Peripheral Nerves physiology - congresses I Billich, H II Coupland, Rex Ernest, ed III Forssmann, Wolf Georg, ed IV European Anatomical Congress, 4th, Basel, 1977 V Title Symposium on peripheral neuroendocrine interaction
ISBN 0-387-08779-6 LC 78-6758
04NLM WL 102 3 P445 1977
IM Cit No 7809497

W

Workshop on Ageing of the Lens, Bonn, 1977. Gerontological aspects of eye research / volume editor, O Hockwin, in cooperation with H. Bloemendal [et al] — Basel, New York Karger, 1978 xi, 259 p ill — (Interdisciplinary topics in gerontology, v 13) Workshop held during the 18th meeting of the Association for Eye Research
1 Aging - congresses 2 Cataract - etiology - congresses 3 Cataract - in old age - congresses 4 Lens, Crystalline - metabolism - congresses I Bloemendal, Hans, ed II Hockwin, Otto, ed III Association for Eye Research IV Title V Series
ISBN 3-8055-2877-9
04NLM W1 IN679 v 13 1978
0XNLM [WW 260 W926g 1977]
IM Cit. No 7805398 (rev CIP)

Workshop on Ageing of the Lens, Bonn, 1977. Lens ageing and development of senile cataracts workshop on Ageing of the Lens, held after the 18th meeting of the Association for Eye Research, Bonn, July 14-16, 1977 / volume editor, O Hockwin, in cooperation with H. Bloemendal [et al] — Basel, New York Karger, 1978 xi, 294 p ill — (Interdisciplinary topics in gerontology, v 12)
1 Aging - congresses 2. Cataract - etiology - congresses 3 Cataract - in old age - congresses 4 Lens, Crystalline - metabolism - congresses I Bloemendal, Hans, ed II Hockwin, Otto, ed III Association for Eye Research IV Title V Series
ISBN 3-8055-2876-0
04NLM W1 IN679 v 12 1977
0XNLM [WW 260 W926L 1977]
IM Cit. No 7804832 (rev CIP)

Workshop on Sinus Node, Maastricht, 1977. The sinus node structure, function, and clinical relevance / edited by Felix I M Bonke — The Hague, Boston Nijhoff Medical Division, 1978 xi, 459 p ill Includes bibliographies
1 Arrhythmia, Sinus - congresses 2 Sinus Node - congresses I Bonke, Felix I M., ed II Title
ISBN 90-247-2064-8
04NLM WG 202 W928s 1977
IM Cit. No 7809126

PROCEDURES - MSG (MESSAGE) COMMAND

SENDING A MESSAGE:

/LOGIN
PLEASE ENTER USERID OR LOGON

.
.
.
SS 1/C?
USER:
MSG XXX

PROG:
NAME?

USER:
JOHN DOE

PROG:
ADDRESS?

USER:
111 MAIN STREET

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

PROG:
TEXT OR DONE.

USER:
THIS IS LINE 1 OF A TEST MESSAGE

PROG:
TEXT OF DONE.

USER:
THIS IS LINE 2 OF A TEST MESSAGE

PROG:
TEXT OR DONE.

USER:
DONE

PROG:
SS 1/C?
USER:
.
.
.

Center logs into ELHILL.

Center types MSG command followed by the code of the host center which will be receiving the message.

The program asks for the sending center's name and address information.

The program then prompts for entry of the message.

When the sending center is finished with typing the message, they type DONE on a separate line.

The program returns the sender to the "search" mode. The program will store the message so that the host center can retrieve it.

PROCEDURES FOR HOST CENTERS RECEIVING MESSAGES:

/LOGIN
PLEASE ENTER USERID OR LOGON

Host center logs into ELHILL, copy ONE, by typing ONE in front of the host ID code.

ONEXXX##

.
. .

SS 1/C?
USER:

DUMP MSG XXX

Host center "dumps" or retrieves messages for their code.

PROG:

ORDER CODE = XXX

JOHN DOE
111 MAIN STREET
BATH, ENGLAND
THIS IS LINE 1 OF A TEST MESSAGE
THIS IS LINE 2 OF A TEST MESSAGE

Program dumps message(s).

SS 1/C?
USER:

.
. .

Program returns host center to "search" mode.

Host center then STOPS and logs into ELHILL again, this time specifying TWO in front of the ID code and repeats above procedures to get all messages.

PROCEDURES - MSG (MESSAGE) COMMAND

CODES AVAILABLE:

CAN (C.I.S.T.I., Canada)
NLM (MMS, NLM)
NLL (British Lending Library)
GER (DIMDI, West Germany)
IMA (INSERM, France)
SWE (Karolinska Institutet, Sweden)
IRN (Pahlavi Library, Iran)
AUS (National Library of Australia)
ITL (Istituto Superiore Di Sanita, Italy)
RSA (South African Medical Research Council, South Africa)
MHW (Centro Nacional de Informacion y Doc. en Salud, Mexico)

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 USAGE:
 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				205/251-2495		
AL	BIRMINGHAM	205/942-4141	B		205/251-2495		
AR	LITTLE ROCK	501/372-5780	FX B				
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	602/795-2951	FX B		602/791-7541		
CA	ALHAMBRA	213/572-0999	FX B		213/956-8235		
CA	ANAHEIM				714/558-6061		
CA	BURLINGAME	415/348-4992	FX B		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	408/257-0593	CCITT RESTRICTED FOR OVERSEAS USE ONLY				
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	INGLEWOOD				213/624-5230		
CA	LONG BEACH				213/549-5150		
CA	LOS ANGELES	213/683-0451	B		213/624-5230		
CA	LOS ANGELES	213/687-8083	V3405	120	213/624-1521	V3405	120

NLM TECHNICAL BULLETIN - MAR 79

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
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	213/391-0311	FX B		213/822-9287		
CA	MOUNTAIN VIEW	415/961-7971	B		408/279-8450		
CA	MOUNTAIN VIEW	415/941-8450	B				
CA	NEWPORT BEACH	714/540-9560	B		714/558-6061		
CA	NEWPORT BEACH	714/540-0951	B212A	120			
CA	OAKLAND	415/465-7000	B		415/362-6200		
CA	OXNARD	805/487-0482	B		805/659-4660		
CA	PALO ALTO	415/856-9080	B		415/328-5950		
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	714/293-3590	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	415/391-8892	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	408/446-1470	B		408/279-8450		
CA	SAN MATEO				415/595-0360		
CA	SAN PEDRO	213/830-0775	FX B		213/549-5150		
CA	SANTA ANA				714/558-6061		
CA	SANTA BARBARA	805/687-6119	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		805/659-4660		
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	LAKWOOD				303/623-0876		
CT	BRIDGEPORT	203/579-7820	FX B				
CT	DANBURY	203/743-1340	FX B				
CT	DARIEN	203/655-8931	B		203/357-1800		
CT	DARIEN	203/655-7951	212A	120			
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		

NLM TECHNICAL BULLETIN - MAR 79

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
CT	NEW HAVEN	203/789-0579	B		203/789-0211		
CT	STAMFORD				203/357-1800		
CT	WATERBURY	203/755-1153	FX	B			
CT	WEST HARTFORD				203/522-0344		
DC	WASHINGTON	703/524-9215	B212A	120	202/347-3061	B212A	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		202/783-2050		
DC	WASHINGTON*	301/656-2726		30			
DC	WASHINGTON*	301/657-1896		30			
DC	WASHINGTON*	301/496-1994	FTS	15/30			
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	302/737-8550		
FL	CLEARWATER				813/224-9920		
FL	FT LAUDERDALE	305/467-7550	FX	B	305/764-8880		
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	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			
GA	ATLANTA	404/659-6670	B		404/577-8911		
GA	ATLANTA	404/581-0619	B212A	120	404/523-0834	B212A	120
GA	SAVANNAH	912/352-7259	FX	B			
HI	HONOLULU	CONTACT HAWAII TELEPHONE COMPANY					
IA	CEDAR RAPIDS	319/396-0600	FX	B			
IA	COUNCIL BLUFFS				402/341-7570		
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	312/263-3069	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	FREEMONT	815/233-5585	B	30			
IL	OAK PARK				312/372-4901		
IL	ROCKFORD	815/398-6090	B				
IL	SKOKIE				312/372-4901		
IN	EVANSVILLE	812/423-6885	FX	B			
IN	FT WAYNE	219/424-5162	FX	B			
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	219/259-5771	FX	B	219/234-9071		

NLM TECHNICAL BULLETIN - MAR 79

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
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	502/361-2645	B212A	120			
LA	BATON ROUGE	504/292-4050	B				
LA	BATON ROUGE	504/292-2650	B212A	120			
LA	LAFAYETTE	318/235-3501	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	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	BOSTON	617/482-3386	B212A	120			
MA	BROOKLINE				617/338-1400		
MA	CAMBRIDGE				617/338-1400		
MA	CHICOPEE				413/739-7221		
MA	HOLYOKE				413/739-7221		
MA	MEDFORD				617/338-1400		
MA	NEWTON				617/338-1400		
MA	QUINCY				617/338-1400		
MA	SOMERVILLE				617/338-1400		
MA	SPRINGFIELD	413/781-6830	B		413/739-7221		
MA	WALTHAM				617/338-1400		
MD	ANNAPOLIS	301/547-8100	B		301/962-5010		
MD	BALTIMORE	301/547-8100	B		301/962-5010		
MD	BETHESDA	703/841-0200	B		202/347-1400		
MD	COLLEGE PARK	703/841-0200	B		202/347-1400		
MD	DUNDALK	301/547-8100	B		301/962-5010		
MD	ROCKVILLE	703/841-0200	B		202/347-1400		
MD	SILVER SPRING	703/841-0200	B		202/347-1400		
MI	ANN ARBOR	313/665-2627	B		313/668-4630		
MI	DETROIT	313/963-3388	B		313/961-5115		
MI	DETROIT	313/725-9252	B212A	120			
MI	DETROIT	313/963-2353	V3405	120	313/961-0600	B212A	120
MI	GRAND RAPIDS	616/459-5069	FX	B			
MI	JACKSON	517/784-8522	B				
MI	KALAMAZOO	616/385-3150	B				
MI	PLYMOUTH	313/459-8900	B				
MI	SOUTHFIELD	313/569-8350	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			
MN	ST. PAUL				612/339-0150		
MO	FLORISSANT				314/231-8800		
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			
MS	JACKSON	601/944-0860	FX	B			
NE	OMAHA	402/392-2970	B		402/341-7570		

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ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
NC	CHARLOTTE	704/372-9730	FX	B	704/374-0371		
NC	DURHAM				919/549-8291		
NC	GREENSBORO	919/379-0034	FX	B			
NC	RALEIGH/DURHAM	919/549-0441		B	919/549-8291		
NC	RES. TRI. PARK				919/549-8291		
NC	WINSTON-SALEM	919/725-1414		B	919/761-1957		
NC	WINSTON-SALEM	919/725-9252	B212A	120			
NH	MANCHESTER	603/669-0493	FX	B			
NH	NASHUA	603/889-8618	FX	B			
NJ	BAYONNE				201/623-6818		
NJ	ELIZABETH				201/623-6818		
NJ	ENGLEWOOD CLFS	201/894-8250		B			
NJ	JERSEY CITY				201/623-6818		
NJ	LYNHURST	201/460-0100		B			
NJ	LYNHURST	201/460-0180	B212A	120			
NJ	MOORESTOWN	609/235-3761	FX	B			
NJ	MORRISTOWN				201/623-6818		
NJ	NEWARK	201/483-5937		B	201/623-6818		
NJ	NEWARK	201/483-4878	B212A	120	201/483-3737	B212A	120
NJ	PASSAIC				201/742-0858		
NJ	PATERSON				201/742-0858		
NJ	PISCATAWAY	201/981-1900		B			
NJ	PRINCETON	609/921-0650	FX	B			
NJ	RAHWAY				201/623-6818		
NJ	TRENTON				609/392-6101		
NJ	UNION	201/483-5937		B	201/623-6818		
NJ	UNION CITY				201/623-6818		
NJ	WAYNE	201/785-4480		E			
NM	ALBUQUERQUE	505/842-6036	B212A	120			
NV	CARSON CITY	702/882-7810		B			
NV	CARSON CITY	702/883-6546	B212A	120			
NV	LAS VEGAS	702/386-1899	FX	B	702/733-2158		
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	BUFFALO	716/847-0500	B212A	120			
NY	CORNING	607/962-5071		B			
NY	HEMPSTEAD	516/794-3390	FX	B	516/292-0320		
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	212/454-3430		
NY	NEW YORK	212/532-8101	B212A	120	212/736-3521	B212A	120
NY	NEW YORK	212/689-8850	B202	120			
NY	NIAGARA FALLS	716/285-6691	FX	B			
NY	ROCHESTER	716/248-8000		B	716/454-3430		
NY	SCHENECTADY				518/445-9111		
NY	SYRACUSE	315/437-7111		B	315/472-5503		
NY	TROY				518/445-9111		
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		

NLM TECHNICAL BULLETIN - MAR 79

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
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	EUCLID				216/241-0940		
OH	KENT				216/762-9791		
OH	PARMA				216/241-0940		
OH	TOLEDO	419/243-3144	FX	B	419/243-8871		
OK	BETHANY				405/232-4501		
OK	NORMAN				405/232-4501		
OK	OKLAHOMA CITY	405/947-0561	B		405/232-4501		
OK	TULSA	918/663-2220	B		918/584-3215		
OK	TULSA	918/665-2750	B212A	120			
OR	PORTLAND	503/231-4050	B		503/243-2800		
OR	PORTLAND	503/231-4077	B212A	120			
PA	ALLENTOWN	215/433-6131	FX	B	215/435-8268		
PA	ERIE	814/453-7161	B				
PA	HARRISBURG	717/236-1190	FX	B			
PA	PENN HILLS				412/288-9950		
PA	PHILADELPHIA	215/561-6120	B		215/574-0620		
PA	PHILADELPHIA	215/567-1381	B212A	120	215/574-9462	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	PROVIDENCE	401/274-5783	FX	B	401/272-9290		
RI	WARWICK				401/272-9290		
SC	COLUMBIA	803/252-0840	FX	B			
SC	GREENVILLE	803/271-2418	FX	B			
TN	CHATTANOOGA	615/756-5856	B				
TN	KNOXVILLE	615/637-3118	FX	B			
TN	MEMPHIS	901/345-1111	B		901/525-2563		
TN	MEMPHIS	901/345-7710	B212A	120			
TN	NASHVILLE	615/244-5784	FX	B	615/244-8310		
TN	NASHVILLE	615/244-8771	B				
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	214/688-1115	B212A	120	214/748-6371	V3405	120
TX	EL PASO	915/544-9590	B				
TX	FORT WORTH	214/263-2341	FX	B	817/336-7791		
TX	HOUSTON	713/785-4411	B		713/224-3380		
TX	HOUSTON	713/977-4080	B				
TX	HOUSTON	713/780-7496	V3405	120			
TX	HOUSTON	713/977-7671	B212A	120	713/225-9359	B212A	120
TX	LACKLAND				512/224-1631		
TX	LONGVIEW	214/758-1756	FX	B			
TX	LUBBOCK	806/762-0136	FX	B			
TX	MIDLAND	915/683-5645	B				
TX	ODESSA	915/563-3571	FX	B			

NLM TECHNICAL BULLETIN - MAR 79

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
TX	SAN ANTONIO	512/696-4002	B		512/224-1631		
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	SEATTLE	206/625-9937	B212A	120			
WA	SEATTLE	206/625-9900	B		206/624-9780		
WA	SPOKANE	509/448-9515	FX	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			
WV	CHARLESTON	304/345-2908	FX	B			

****FOREIGN ACCESS****

TELECOMMUNICATIONS AVAILABLE FROM THE FOLLOWING FOREIGN LOCATIONS:

*****COUNTRY*****	*****CITY*****
AUSTRALIA	SYDNEY
AUSTRIA	VIENNA
BELGIUM	BRUSSELS
CANADA	
DENMARK	COPENHAVEN
ENGLAND	LONDON
FINLAND	HELSINKI
FRANCE	PARIS
GERMANY	FRANKFURT
THE NETHERLANDS	THE HAGUE (HOLLAND)
HONG KONG	WANCHAI
ISRAEL	JERUSALEM
ITALY	ROME
MEXICO	PISO
NORWAY	OSLO
PHILIPPINES	MANILA & MAKATI
PUERTO RICO	SAN JUAN
SINGAPORE	SINGAPORE
SPAIN	MADRID
SWEDEN	FARSTA
SWITZERLAND	GENEVA

THE NLM TECHNICAL BULLETIN

APRIL 1979

NO. 120

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NLM TECHNICAL BULLETIN - APR 79

DATA BASE	TOTAL RECORDS	FILES DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	7,020	THROUGH 1979	26 APR 79	
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	7,129	JAN 73-DEC 78	24 APR 79	7904(EM)
*CANCERLIT	159,534	JAN 63-APR 79	01 MAY 79	7904(ED)
*CANCERPROJ	16,771	1976-1979	30 APR 79	7903(ED)
*CATLINE	186,122	1965-1979	04 MAY 79	
CHEMLINE	362,537		02 APR 79	
*CLINPROT	1,168		30 SEP 78	7809(ED)
*EPILEPSY	24,177	1945-PRESENT	20 JAN 79	
*HEALTH	112,111	JAN 75-MAY 79	16 APR 79	7905(EM)
*HISTLINE	35,318		22 MAR 79	
MEDLINE	472,118	JAN 77-MAY 79	09 APR 79	7905(IM)
MESH VOC	14,819	1979	11 DEC 78	
*NAME AUTH	103,259	1979	03 MAY 79	
*RTECS	33,929	1978	20 MAR 79	
SDILINE	20,341	MAY 79	09 APR 79	
*SERLINE	31,851	1979	12 MAR 79	
*TDB	2,482		30 OCT 78	
*TOXLINE	572,125		30 APR 79	7904(ST)
CBAC	299,625	1974-VOL 29(7&8)		
TOXBIB	114,932	1974-MAY 79		
IPA	32,769	1974-VOL 16, ISS. 1-4		
HEEP	70,447	1974-APR 79		7903(ST)
PESTAB	16,063	1974-MAY 79		
EMIC	22,792	1960-1978		
ETIC	13,901	1950-MAR 79		
RPROJ	1,596	OCT-NOV 78		7903(ST)
*TOXBACK	379,299		26 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.

NLM ONLINE USERS MEETING - The NLM Online Users Meeting is scheduled for Monday, June 4, 1979, from 11:30 a.m. - 12:30 p.m. at the Long House at the Hilton Hawaiian Village Hotel in Honolulu, Hawaii during the Medical Library Association annual meeting.

CHEMLINE REGENERATION (Manual 13.) - The CHEMLINE file was regenerated and made available on April 2 with 362,537 registry number records. Changes were made in the ON and LO fields. The Wiswesser Line Formula (WL) and R-Code (RC) fields have been removed. For further details see the article included in this Bulletin.

RTECS REGENERATION (Manual 14.) - The RTECS (Registry of Toxic Effects of Chemical Substances) file was regenerated at NLM and made available on March 20 with 33,929 records. Two changes occurred in the CC field: (1) PRIMARY IRRITANT (CC) is directly searchable and printable; and (2) the entry NO LONGER USED (CC) has been changed to PESTICIDE-NO LONGER USED (CC). For further details see the article included in this Bulletin.

PHONES - The following numbers are 30 cps unless otherwise noted.

DIRECT (1200 Baud) CHANGE:

Washington, DC from 301/496-6395 B202 120cps
to 301/492-1840 B202 120cps

TYMNET:

New Numbers:

New York, NY	212/683-0131	B
Peoria, IL	309/673-2156	FX B
Richland, WA	509/375-1975	
Richland, WA	509/375-3367	B212 120cps

Changes:

	From:	To:
Marina Del Rey, CA	213/391-0311	213/821-2257 FX
Phoenix, AZ	602/249-3881	602/249-3862 B212 120cps
Tampa, FL	813/229-0981	813/885-5485 FX

TELENET:

New Number:
Washington, D.C. 202/783-2050

Change: From: To:
Madison, WI 608/251-5904 608/251-2269

- TELENET
INWATS
PHONE
NUMBERS - Additional TELENET INWATS phone numbers have become available. These new numbers will support terminal speeds up through 1200 baud (1200 baud via Bell 212A modem access only). INWATS users should contact MEDLARS Management Section for these additional numbers.
- USERS'
SURVEY - Included with this Bulletin as Appendix A is a questionnaire entitled "NLM Database Users' Educational Needs Profile" as well as an explanatory memo from Dr. Leiter. Users are requested to complete and return the questionnaire to the Online Training Coordinator at NLM by May 31, 1979.

ANNOUNCEMENT OF LIMITED CATALOGING IN CATLINE
Sally Sinn, Technical Services Division, NLM

In response to requests by outside libraries for knowledge of and access to some of the material under local control at NLM which is not available to the network, the CATLINE file now contains citations which represent limited cataloging. These citations are intended to provide users with access to NLM holdings for interlibrary loan purposes rather than to provide authoritative cataloging; therefore, these records have not been reviewed for cataloging consistency. For those items currently announced, classification numbers with full shelisting have been assigned in order to shelve this material in NLM's collection. These call numbers will be retained in NLM's shelisting so that the same call numbers will not be reassigned to other works.

The CATLINE records for these announcement citations all contain the note "Limited cataloging" as the first occurrence of the General Note (GN) field. For the present, until further guidelines are established, limited cataloging items will not be published in Current Catalog or its Weekly Proofsheets, but will appear only in CATLINE. They will not be distributed on any MARC-formatted products of the CATLINE file.

No attempt will be made to revise or upgrade these citations since they represent an intermediate record between NLM's internal in-process record and full authoritative cataloging. Announcement of additional items in this manner will be dependent upon the impact of this method in assisting the interlibrary loan functions of the network.

RESEARCH PROJECT INFORMATION IN TOXLINE

Henry M. Kissman, Ph.D.
Specialized Information Services
National Library of Medicine

Users of TOXLINE will note that this month we have added another component subfile--identified as RPROJ--to TOXLINE. RPROJ contains abstracts describing planned and ongoing research in toxicology and epidemiology. This subfile is derived by applying a set of subject profiles to the data bank of the Smithsonian Science Information Exchange (SSIE). SSIE obtains from the Federal agencies regular reports on ongoing or planned research projects they support through grants, contracts or intramural work.

The reports in the RPROJ segment also form the content of two publications, the monthly Toxicology Research Projects Directory (TRPD)* and the annual Epidemiology Research Projects Directory (ERPD)**. Of these, the TRPD is the older, now being in its fourth year. It presents some 12,000 projects descriptions annually. The first volume of the ERPD will be published in early 1980 and will contain some 3,200 project descriptions.

The effort leading to the dissemination of this information through the publications and the online file is supported by two interagency committees. The DHEW Committee to Coordinate Toxicology and Related Programs sponsors TRPD; and the Interagency Regulatory Liaison Group, which is composed of the Environmental Protection Agency, Consumer Product Safety Commission, Occupational Safety and Health Administration, and Food and Drug Administration, funds the ERPD.

It was the intent of these sponsoring organizations to increase awareness of ongoing and planned research in the subject areas of toxicology and epidemiology and, thus, to avoid possible duplication of expensive research, which would waste scarce resources. In the publications, information can be found through the use of extensive, hierarchical subject indexes built on the SSIE standard vocabulary system. However, these vocabulary terms are not in the online file.

Another goal of the sponsors was to create information tools that would make it easy to identify organizations supporting or performing research work in these subject areas. In the printed directories, this can be done through the use of the Sponsoring Organization and Performing Organization Indexes. In the online file, one could find such information in the "Supporting Agency (SA)" and Author Address (AA)" fields.

* Available on subscription from the National Technical Information Service, Springfield, VA 22161. Annual rate: \$100 US, Canada, Mexico addresses; \$170 all others.

** Will be available early in 1980 as a technical report from the National Technical Information Service, Springfield, VA 22161.

Dissemination of the materials through an online system, as well as via the aforementioned publications, provides users with additional access possibilities. In TOXLINE, the material can be searched by the same free-text search methods that apply to the remainder of the TOXLINE file. Thus, a user interested in a certain subject area will now be led not only to journal article references but also will be alerted to relevant, ongoing research projects funded by the Federal Government. The user can, of course, avoid retrieval of information from this segment of the file simply by entering AND NOT RPROJ.

In the event of a "chemical crisis," it was considered desirable by the sponsoring groups to make it possible through TOXLINE usage to retrieve online, from the research-in-progress subfile, the names of "experts" who might be available in a specific location. For this purpose, the RPROJ subfile can be searched online by subject matter and "senior investigators" or "authors" of relevant projects can be identified. To facilitate searching by geographic areas, the Zip Code and the State from the senior investigator's or author's address (where available) have been placed in separate searchable fields. This enhancement of the TOXLINE service represents a part of the DHEW Committee to Coordinate Toxicology and Related Programs' proposed HEW Plan for "Coping with Chemical Crises."

For further technical details about using this new TOXLINE subfile, please refer to the following article by S. L. Valley and C. B. Haberman entitled, "Information About Toxicology/Epidemiology Research Projects Available in TOXLINE."

INFORMATION ABOUT TOXICOLOGY/EPIDEMIOLOGY RESEARCH PROJECTS
AVAILABLE IN TOXLINE

Sharon L. Valley, Ph.D., and Carol B. Haberman, M.S., M.P.A.
Specialized Information Services

Information from the Toxicology Research Projects Directory* (TRPD) and the Epidemiology Research Projects Directory** (ERPD) is now available in TOXLINE. This subfile, abbreviated RPROJ, contains information from the Smithsonian Science Information Exchange (SSIE) data base concerning ongoing studies in toxicology, epidemiology, and related areas.

* The Toxicology Research Projects Directory is published monthly in hard copy by the National Technical Information Service, (NTIS), Springfield, Va. 22161. Annual cost is \$100 (U.S., Canada, Mexico) and \$170 for all others.

** The Epidemiology Research Projects Directory will be available from NTIS early in 1980.

This new TOXLINE subfile reports research-in-progress. The emphasis of the toxicology research projects is on the manifestations of the exposure of humans and animals to toxic agents: agricultural substances; industrial and household chemicals; foods, cosmetics, drugs, and medical materials; biotoxins; environmental pollutants, etc. Projects in the areas of detection, control, analysis and synthesis of toxic substances, as well as the prevention and treatment of their effects, are also included.

Epidemiology research projects covering morbidity and mortality; occupational, consumer, and other population exposure to various hazards; biologic, pharmacologic, and environmental research on susceptibility to disease; and illnesses related to chemical exposure are all included.

There are approximately 3,000 research projects from fiscal years '77 forward in this first version of the RPROJ subfile. Monthly additions will occur in the future as part of the normal TOXLINE update. The file abbreviation, RPROJ, is searchable as a textword (TW), and appears as the first word of the abstract, similar to other TOXLINE subfiles, e.g., CBAC, HEEP, IPA, etc.

The following new data elements have been added to TOXLINE to accommodate this subfile. The following elements print with the PRT DETAILED command:

<u>Element Name</u>	<u>Search Abbrev.</u>	<u>Print Abbrev.</u>	<u>PRT DL</u>
Identification No.	(ID)	ID	X
Award Type	(AW)	AW	X
Initial Year	----	Y1	X
Final Year	----	Y2	X
Supporting Agency	----	SA	X
Country or State	(CY)	CY	X
Zip Code	(ZP)	ZP	X

A brief description of each of the elements follows.

Identification Number (ID)

This is the supporting agency Identification Number, which is searchable and printable. The field contains one or more numbers or alphanumeric codes of varying length by which the supporting agency identifies, manages, or characterizes the project.

Organizations that have access to the Research Grants Index will be able to use the Project numbers listed in the Index to search this field. If a project is listed in the Index as P01CA-19278-020017, it is searched online as:

(ID) P01 CA 19278-020017

Award Type (AW)

A single letter code is present in this field to indicate the nature of the award. The abbreviations are:

A = Intramural Projects
C = Contract
F = Fellowship
G = Grant

This field is both searchable, and printable using the abbreviation AW.

Initial Year (Y1)

This is the date the project was started, or in some cases, the date that funding began. The format is YMMM (year month), a four digit field. For example, 7707 (Y1) would mean a beginning date of July, 1977. Where the month is unknown, zeros are substituted, e.g., 7700. The initial year field is printable. It is not directly searchable, but may be stringsearched.

Final Year (Y2)

This is the date the research project's authorization expires. It is in the same format as initial year, YMMM. It is printable and not directly searchable; however, it may be stringsearched.

Supporting Agency (SA)

This data element contains the formal name and address of the agency which is managing and supporting the research project. This field is printable and not directly searchable; it may be stringsearched. Where the amount of supporting funds has been supplied, this is listed as: SUPPORT \$. Where the amount has not been supplied, this is listed as SUPPORT funds n.s.

Country or State (CY)

This data element contains the name of the Country or State where the research project is being performed. If the research is taking place in the United States, the name of the State itself will be indicated, instead of United States. The field is directly searchable and is entered as the unabbreviated name. It is also printable, using the above mnemonic (CY).

Zip Code (ZP)

The zip code is directly searchable and printable. Only U. S. zip codes are used.

A limited number of titles will have (ABBREV) at the end of the title field, where the titles were too long.

A sample SSIE record is shown below:

SI - SSIE/DH 275
AU - UNKNOWN
AA - U.S. Dept. of Health Education & Welfare; Public Health Service;
Center for Disease Control; National Inst. of Occupational Safety &
Health; Physical Science & Eng Div; 4676 Columbia Parkway; Cincinnati,
Ohio 45266
TI - IDENTIFY AND DOCUMENT CONTROL TECHNOLOGY IN SUPPORT OF THE NIOSH
CRITERIA DOCUMENT PROGRAM
SO - Toxicology Research Projects Directory, Vol. 04 iss.01 1979
AW - A
CY - OHIO
SA - U.S. Dept of Health Education & Welfare; Public Health Service;
Center for Disease Control; National Inst. of Occupational Safety
& Health SUPPORT funds n.s.;
Y1 - 7800
Y2 - N/A
ZP - 45266
AB - RPROJ The purpose of this project is to identify and document control
technology in support of the NIOSH criteria document program.
Control technology assessments will be performed for the plastics and
resins, the pesticides manufacturing industry, cotton processing, and
coke oven operations. Both contract and in-house effort will be used.
A plastics and resins control technology assessment was completed in
FY 77. An RFC was issued for a pesticide manufacturing control
technology assessment. Preliminary investigations of a coke oven fog
spray system for control of pushing emissions have been conducted.

For further information about the RPROJ subfile and assistance in search
strategy, please contact the Toxicology Information Program, Specialized
Information Services, 301-496-1131.

RTECS - Regeneration and Sample Searches
Sharon L. Valley, Ph.D.
Specialized Information Services

The RTECS (Registry of Toxic Effects of Chemical Substances) file has been
regenerated at NLM. This new file with the quarterly update now contains
33,929 records, an increase of 1,326 substances.

To obtain the entire record on a substance, users are encouraged to "PRINT DL
COMPLETE, after obtaining the posting for the substance, see below.

USER:
"NBR ANABASINE, 1-NITROSO-

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PROG:

POSTINGS	TERM
1	ANABASINE, SULFATE (N1)
1	ANABASINE, SULFATE MIXED WITH PHOSPHORO (N1)
1	ANABASINE, 1-NITROSO- (N1)
1	ANACARDONE (NF)
1	ANACARDONE (SY)

UP N OR DOWN N?

USER:
"FIND ANABASINE, 1-NITROSO-

PROG:
SS (1) PSTG (1)

SS 2/C?
USER:
"PRT DL COMPLETE INDENTED

PROG:

SOURCE IDENTIFICATION	NIOSH/BV4550000
PRIME NAME	ANABASINE, 1-NITROSO-
CAS REGISTRY NUMBER	1133-64-8
CLASS OF COMPOUND	CARCINOGEN-NEOPLASTIGEN
SYNONYMS	N-NITROSOANABASINE
SYNONYMS	1-NITROSOANABASINE
SYNONYMS	N'-NITROSOANABASINE
SYNONYMS	N-NITROSO-2-(3'-PYRIDYL)PIPERIDINE
MOLECULAR FORMULA	C10-H13-N3-O
MOLECULAR WEIGHT	191.26
WISWESSER LINE NOTATION	T6NTJ ANO B- CT6NJ
TOXIC DATA SOURCE	BJCAAI British Journal of Cancer 18,265,64
TOXDATA KEYWORDS	ORAL;RAT;RODENTS;TDLo;8550 mg/kg/57W; TOXIC EFFECTS;CARCINOGENIC

NIOSH has now added the term PRIMARY IRRITANT to the Class of Compound (CC) field, which is searchable and printable, e.g., (CC) PRIMARY IRRITANT.

A wide variety of searches may be performed in the RTECS file. The first sample search below illustrates using the name fragment (NF) field, plus the index phrase TOXIC EFFECTS (IX), to retrieve those sources in which any toxic effect has been indexed by NIOSH. The specific list of 28 toxic effects is contained in the RTECS User Manual.

SS 1/C?
USER:
"FILE RTECS

PROG:
YOU ARE CONNECTED TO THE RTECS FILE.

SS 1/C?
USER:
(NF) DIOXIN

PROG:
SS (1) PSTG (17)

SS 2/C?
USER:
"PRT 3 N1

PROG:
N1 - ACETIC ACID, ester with 2,6-DIMETHYL-m-DIOXAN-4-OL

N1 - DIBENZO-p-DIOXIN

N1 - DIBENZO-p-DIOXIN, 1-AMINO-2,3,7,8-TETRACHLORO-

SS 2/C?
USER
(IX) TOXIC EFFECTS

PROG:
SS (2) PSTG (4631)

SS 3/C?
USER:
1 AND 2

PROG:
SS (3) PSTG (6)

SS 4/C?
USER:
"PRT TOXDATA.2

PROG:
SI - NIOSH/AH1350000
N1 - ACETIC ACID, ester with 2,6-DIMETHYL-m-DIOXAN-4-OL
RN - 828-00-2
SO - Journal of the National Cancer Institute. 53,791,74
TDKW - ORAL;RAT;RODENTS;TDLo;1440 gm/kg/87W-C; TOXIC
EFFECTS;NEOPLASTIC

SI - NIOSH/HP3100000
N1 - DIBENZO-p-DIOXIN, 2,7-DICHLORO-
RN - 33857-26-0
SO - EVHPAZ Environmental Health Perspectives, DHEW
Publication No. 5,87,73
TDKW - EYE;RABBIT;RODENTS;IRRITATION;2 mg ; TOXIC EFFECTS;
MILD

SS 4/C?

USER:

"PRT 5 N1, CC INDENTED

PROG:

PRIME NAME ACETIC ACID, ester with
 CLASS OF COMPOUND 2,6-DIMETHYL-m-DIOXAN-4-OL
 CARCINOGEN-NEOPLASTIGEN

PRIME NAME DIBENZO-p-DIOXIN, 2,7-DICHLORO-
 CLASS OF COMPOUND PRIMARY IRRITANT

PRIME NAME DIBENZO-p-DIOXIN, HEXACHLORO-
 CLASS OF COMPOUND TERATOGEN
 CLASS OF COMPOUND PRIMARY IRRITANT

PRIME NAME DIBENZO-p-DIOXIN, 1,2,3,4,6,7,8,9-OCTACHLORO-
 CLASS OF COMPOUND CARCINOGEN-NEOPLASTIGEN
 CLASS OF COMPOUND PRIMARY IRRITANT

PRIME NAME DIBENZO-p-DIOXIN, 2,3,7,8-TETRACHLORO-
 CLASS OF COMPOUND CARCINOGEN-NEOPLASTIGEN
 CLASS OF COMPOUND TERATOGEN
 CLASS OF COMPOUND PRIMARY IRRITANT

SS 4/C?

USER:

Carcinogenic, neoplastigenic information can also be searched, see results shown below.

SS 1/C?

USER:

(NF) NITROSO:

PROG:

MM (NITROSO:) (155)

ALL OR NONE

USER:

ALL

PROG:

SS (1) PSTG (317)

SS 2/C?

USER:

(CC) CARCINOGEN-NEOPLASTIGEN

PROG:

SS (2) PSTG (2330)

SS 3/C?

USER:

1 AND 2

PROG:

SS (3) PSTG (162)

SS 4/C?
 USER:
 PRT 1 INCLUDE CC
 PROG:

S1 - NIOSH/AC6300000
 N1 - ACETAMIDE, N-METHYL-N-NITROSO
 RN - 7417-67-6
 CC - CARCINOGEN-NEOPLASTIGEN

The specific toxic effects of carcinogenic, neoplastic can be searched in the toxicity data Keywords, using (IX), as shown:

SS 4/C?
 USER:
 (IX) CARCINOGENIC OR NEOPLASTIC
 PROG:
 SS (4) PSTG (2292)

SS 5/C?
 USER:
 1 AND 4

PROG:
 SS (5) PSTG (161)

SS 6/C?
 USER:
 "PRT TOXDATA INDENTED 1

PROG:

SOURCE IDENTIFICATION	NIOSH/AC6300000
PRIME NAME	ACETAMIDE, N-METHYL-N-NITROSO-
CAS REGISTRY NUMBER	7417-67-6
TOXIC DATA SOURCE	TCIS** Topics in Chemical Carcinogenesis. 2. Intern. Sympos. Princess Takamatsu Cancer Res. Fund., University of Tokyo Press, 1972 -,79,72
TOXDATA KEYWORDS	ORAL;RAT;RODENTS;TDLo;375 mg/kg/75W-I; TOXIC EFFECTS; CARCINOGENIC

Note the difference using the "PRT TOXDATA command vs "PRT DL COMPLETE to obtain the entire record.

SS 6/C?
 USER:
 "PRT 1 DL COMPLETE INDENTED

PROG:

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SOURCE IDENTIFICATION NIOSH/AC6300000
PRIME NAME ACETAMIDE, N-METHYL-N-NITROSO
CAS REGISTRY NUMBER 7417-67-6
CLASS OF COMPOUND CARCINOGEN-NEOPLASTIGEN
SYNONYMS METHYLNITROSOACETAMID (German)
SYNONYMS METHYLNITROSO-ACETAMIDE
SYNONYMS N-METHYL-N-NITROSOACETAMIDE
SYNONYMS N-NITROSO-N-METHYLACETAMIDE
MOLECULAR FORMULA C3-H6-N2-O2
MOLECULAR WEIGHT 102.11
WISWESSER LINE NOTATION ONN1&V1
TOXIC DATA SOURCE ZEKBAI Zeitschrift fuer Krebs-
forschung. 69,103,67
TOXDATA KEYWORDS ORAL;RAT;RODENTS;LD50;20 mg/kg
TOXIC DATA SOURCE TCIS** Topics in Chemical
Carcinogenesis. 2. Intern. Sympos.
Princess Takamatsu Cancer Res. Fund.,
University of Tokyo Press, 1972 -,79,72

TOXDATA KEYWORDS ORAL;RAT;RODENTS;TDLo;375 mg/kg/
75W-I ; TOXIC EFFECTS;CARCINOGENIC

SS 6/C?

USER:

The next sample search illustrates use of the molecular formula fragments, class of compound, route, species, LD50 value/range, etc. This "sample search" question is:

What chemicals have 12 carbon atoms, 1 or more chlorine atoms, are agricultural chemicals, are carcinogenic/neoplastigenic and also have an oral LD50 value in rats between the range of 40-49 mg/kg?

Note the exact format that must be used in the stringsearch shown in search statement 7.

PROG:

SS 1/C?

USER:

(FF) C12 AND CL

PROG:

SS (1) PSTG (533)

SS 2/C?

USER:

(CC) AGRICULTURAL CHEMICAL

PROG:

SS (2) PSTG (2284)

SS 3/C?

USER:

(CC) CARCINOGEN:

PROG:

SS (3) PSTG (2330)

SS 4/C?

USER:

1 AND 2 AND 3

PROG:

SS (4) PSTG (8)

SS 5/C?

USER:

(IX) ORAL AND RAT AND LD50

PROG:

SS (5) PSTG (5134)

SS 6/C?

USER:

4 AND 5

PROG:

SS (6) PSTG (6)

SS 7/C?

USER:

TS (TDKW) :ORAL#RAT#RODENTS#LD50#4# MG:

PROG:

SS (7) PSTG (1)

SS 8/C?

USER:

"PRT TOXDATA INCLUDE CC

PROG:

SI - NIOSH I01750000

N1 - 1,4:5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-6,7-EPOXY-1,4,4a,5,6,7,8,8a- OCTAHYDRO,ENDO,EXO-

RN - 60-57-1

CC - AGRICULTURAL CHEMICAL

CC - CARCINOGEN-NEOPLASTIGEN

CC - TERATOGEN

CC - INSECTICIDE

SO - TXAPA9 Toxicology and Applied Pharmacology. 14,515,69

TDKW - ORAL;RAT;RODENTS;LD50;46 mg/kg

SS 8/C?

CHEMLINE REGENERATION
Donald F. Walker, Jr. and Melvin L. Spann
Specialized Information Services, NLM

The CHEMLINE file has been regenerated and now contains 362,537 Registry Number records. In addition to increasing the file size, updating the nomenclatural information, making CHEMLINE more current with respect to TOXLINE, and expanding Locator linkage to include TOXBACK, RTECS and TDB, this regeneration has made it possible to change several CHEMLINE fields.

These modifications will be discussed using the following record as a reference:

RN - 141-90-2
ON - 156-82-1 (CAS)
ON - 4401-53-0 (CAS)
ON - 4401-54-1 (CAS)
ON - 156-82-1 (TOXLINE) (TOXBACK)
MF - C4-H4-N2-O-S
N1 - Uracil, 2-thio- (8CI) (VAN)
N1 - 4(1H)-Pyrimidinone, 2,3-dihydro-2-thioxo- (9CI) (VAN)
SY - 6-Hydroxy-2-mercaptopyrimidine
SY - 2-Mercapto-4-hydroxypyrimidine
SY - 2-Thiouracil (VAN)
SY - Thiouracil
SY - 2-Mercapto-4-pyrimidinol
SY - Antagothyroil
SY - Deracil
SY - Nobilet
SY - 4-Hydroxy-2-pyrimidinethiol
NR - 1
RS - 6
RE - C4N2
CL - NCNC3
MH - THIOURACIL
LO - TOXLINE
LO - TOXBACK
LO - RTECS
LO - TDB
LO - MEDLARS

OTHER CAS REGISTRY NUMBERS (ON)

The words "See" and "See Also" are no longer carried within the ON field to designate cross-referenced or alternate Registry Numbers. In many cases, these numbers previously were "blind leads" within the CHEMLINE and TOXLINE files. To redress this situation, all information for a substance within CHEMLINE is now carried in the primary Registry Number (RN) record. Secondly, the names of the files carrying information under an ON number are appended to that number. Accordingly, there is no longer a requirement that all ON numbers be ORed with the Registry Number when searching an NLM database. In the example shown, the Registry Number 156-82-1 would be ORed with the Registry Number 141-90-2 only when searching the TOXLINE and TOXBACK files. When searching the other NLM files (MEDLINE, RTECS and TDB), only the primary number, 141-90-2, would be used.

Please note that the ON numbers not referenced in NLM files are appended with the file name (CAS). Registry Number information is maintained and supplied by CAS from their Registry System and all of the ON numbers are valid numbers in those files and publications that normally carry Registry Numbers. The ON numbers annotated with (CAS) therefore, are provided by CHEMLINE to assist those searchers who make use of these other sources.

Since the information in the ON field is quite meaningful, it is now included in the standard print commands. Thus, when only Registry Numbers are desired from search results, the user should issue a PRINT RN, ON command.

CA PREFERRED INDEX OR TYPE 1 NAMES (N1) AND SYNONYMS (SY)

Three items of information are now appended to preferred names and synonyms to assist the user in resolving nomenclatural ambiguities found in CHEMLINE. The occurrence of (VAN) after a name in the N1 or SY field indicates a Valid Ambiguous Name. This could be illustrated by a CHEMLINE search for the synonymous name, TRIS. A partial listing of the two records that would be retrieved is provided below:

RN - 77-86-1
 N1 - 1,3-Propanediol, 2-amino-2-(hydroxymethyl)- (8CI)(9CI)
 SY - TRIS (VAN)
 SY - TRIS [Buffering Agent]

2
 RN - 126-72-7
 N1 - 1-Propanol, 2,3-dibromo-, phosphate (3:1) (8CI) (9CI)
 SY - TRIS (VAN)
 SY - TRIS [Flame Retardant]

In addition to the VAN warning, notice also that the descriptive information enclosed within brackets allows one to distinguish the Registry Number record for the flame retardant previously used in children's sleepwear, from that for the buffering agent. This item of information is called a Homograph Definition (HOM).

The third type of information which can be used to distinguish substances with valid ambiguous names is called a Line Formula (LIN). LIN's follow the parent portion of preferred names within the N1 and SY fields and are enclosed in brackets. The listing which follows shows the LIN's for the manganese titanium oxide records:

RN - 12032-93-8
 MF - Mn2-04-Ti
 N1 - Manganese titanium oxide [Mn2Ti04] (8CI)(9CI)
 LO - TOXLINE

RN - 12032-74-5
 MF - Mn-03-Ti
 N1 - Manganese titanium oxide [MnTi03] (8CI)(9CI)
 SY - Titanium manganese oxide [MnTi03] (VAN)
 SY - Manganese titanium trioxide (VAN)
 SY - Manganese titanate (MnTi03) (VAN)
 LO - TOXLINE

The line formula enclosed within parentheses in the second record is an indication that this information was used by the author of the article in naming the compound; it is not CAS-generated information. LIN's, HOM's and VAN's are appended to names only to assist users in resolving ambiguities. They are not required as a part of the query input when searching common or chemical names.

MeSH HEADING (MH)

The information content of the MeSH Heading field (MH) is significantly different from that which was previously carried in CHEMLINE. Multiple MeSH terms and their history are no longer a part of a CHEMLINE unit record. The MH field presently contains only the single D-Category term from the MeSH controlled vocabulary that completely matches a preferred name or synonym in a Registry Number record. This is exemplified by the following record:

RN - 57576-52-0
 MF - C20-H32-05
 N1 - Thromboxa-5,13-dien-1-oic acid, 9,11-epoxy-15-hydroxy-,
 (5Z,9alpha,11alpha,13E,15S)- (9CI)
 SY - Thromboxane A2
 SY - TXA2
 NR - 2
 RS - 4,6
 RE - C30-C50
 MH - THROMBOXANE A2
 LO - TOXLINE
 LO - MEDLARS

Some exceptions to the 1:1 exact match relationship between MeSH terms and CHEMLINE names exist because the current version of the CAS Registry Nomenclature File (RNF) used to build CHEMLINE and the RNF used to match the MeSH terms were not the same generation. In some cases, names previously matching MeSH terms are no longer carried in the latest version of the RNF. This can be observed in the listings which follows:

NEW CHEMLINE RECORD

RN - 57406-74-3
 ON - 51377-55-0 (CAS)
 MF - UNKNOWN
 N1 - Reductase, 15-keto-delta(13)-prostaglandin (9CI)
 SY - delta(13)-15-Ketoprostaglandin reductase
 SY - Prostaglandin delta(13)-reductase
 SY - Prostaglandin 13-reductase
 SY - 15-Ketoprostaglandin delta(13)-reductase
 MH - PROSTAGLANDIN-13,14-REDUCTASE
 LO - TOXLINE
 LO - MEDLARS

OLD CHEMLINE RECORD

RN - 57406-74-3
 N1 - Reductase, 15-keto-delta(13)-prostaglandin (9CI)
 SY - Delta(13)-15-ketoprostaglandin reductase
 SY - Prostaglandin-13,14-reductase
 SY - Reductase, prostaglandin delta(13)
 LO - TOXLINE

A second exception to the exact match relationship exists for MeSH terms which are plural forms of a specific substance name. An example of this can be found in the CHEMLINE record for pyridine:

RN - 110-86-1
 ON - 6999-00-4 (CAS)
 ON - 45410-39-7 (CAS)
 ON - 62301-32-0 (CAS)
 MF - C5-H5-N
 N1 - Pyridine (8CI)(9CI)
 SY - Azabenzene
 SY - Azine
 SY - CP 32
 NR - 1
 RS - 6
 RE - C5N
 MH - PYRIDINES
 LO - TOXLINE
 LO - TOXBACK
 LO - RTECS
 LO - TDB
 LO - MEDLARS

In this case, the "S" was dropped from PYRIDINES for name-matching purposes and then reapplied to provide the appropriate MeSH term. Presently, 3,226 CHEMLINE records contain MeSH terms. Note the plural MeSH terms are not used generically in CHEMLINE, thus, the term PYRIDINES is not appended to any records for substituted pyridine compounds.

LOCATOR (LO)

The LO field has been expanded to include several additional NLM data bases. These are TOXBACK, RTECS and TDB (Toxicology Data Bank). In addition, the Locator designator (FDA-NDA) is carried for those substances subject to a current New Drug Application on file with the Food and Drug Administration.

In order to maintain the Locator designator as a searchable parameter for Registry Numbers appearing in the ON field, the file names appearing in this field are also carried in the Locator field. Thus, the files listed in the LO field could be linked to both the primary Registry Number (RN) and the Other Registry Number (ON), or only the Other Registry Number. The latter condition will occur very infrequently.

Substance records emanating solely from the Environmental Protection Agency's (EPA) Toxic Substances Control Act (TSCA) Candidate List have been removed from CHEMLINE. Accordingly, the EPATSCALIST Locator designation as well as the associated R-Code field are no longer being carried. This action is taken in accordance with previous agreements among EPA, NLM and CAS. When available, the EPA TSCA Inventory compound records will be added to CHEMLINE with a new Locator designator.

The final CHEMLINE modification to be discussed in this paper involves the Wiswesser Line Notation (WL) field. In the past, only some 10,000 CHEMLINE records (4%) have carried WLN's and this was done in an unpermuted form; therefore, the search value of this field has been very limited. For these reasons, the WL field has been dropped.

The regeneration of CHEMLINE reflects the Library's continuing effort to enhance the utility of its files to its user community. The authors welcome any comments, suggestions or concerns relative to this "refurbished" file or to future directions of CHEMLINE in general.

USE OF NON-PRINT SUBJECT HEADINGS IN CATLINE
Sally Sinn, Technical Services Division, NLM

Minor Descriptors

Since the introduction of minor descriptors into the MeSH vocabulary in 1975, they have not been used in cataloging because of system problems in the correct mapping of subheadings from the minor descriptor to its major descriptor. Recognizing the need, however, for these more specific terms for online searching and for subject indexing in specialized libraries, the Cataloging Section will begin applying minor descriptors from MeSH in 1979 cataloging.

These minor descriptors, which are "see under" references to major descriptors in MeSH, will be used as non-print subject headings without any subheadings. The major descriptors to which the minors refer will appear as print headings in Current Catalog publications with all appropriate subheadings. The minor descriptors will not appear in subject tracings in the publications, nor will they appear in any MARC-formatted records derived from NLM cataloging. They will, however, be searchable in CATLINE and appear in the Main Heading field (MH) in CATLINE printouts.

In CATLINE citations, the presence of an asterisk following the subject heading is the indicator for a major descriptor which is a print heading. Minor descriptors, when used, will not contain any asterisks or subheadings. In the example below, Self-Care Units is a minor descriptor which has a "see under" reference to the major descriptor Hospital Units.

e.g. MH Self-Care Units
MH Hospital Units/*/handbooks

Libraries wishing to use minor descriptors in their subject catalogs should note that the appropriate subheadings for the minor are the same as those used on the major descriptor to which it refers. More specific details about major and minor descriptors may be found in Medical Subject Headings - Annotated Alphabetic List, 1979, p. v-vii.

Geographic Headings

It has been NLM practice since 1975 to add a non-print geographic subject heading from the Z category terms in MeSH when any of the printed subject headings contained a geographic subheading for the U.S. or any U.S. state or territory. For example, when a subject heading such as Hospitals, Special - Massachusetts is used, the heading Massachusetts is added as a non-print subject heading.

This practice allows the collection of all concepts subdivided geographically by U.S. or any state or territory in an online search through the EXPLOR UNITED STATES command. For 1979 cataloging, we are expanding the application of these non-print geographic headings for any country, state, or province when the subject headings have been subdivided by that

NEW ABBREVIATIONS FOR MESH DESCRIPTORS
 Susanne Humphrey, Medical Subject Headings Section, NLM

MeSH has added a number of abbreviations that may now be used in place of certain descriptors. These abbreviations fall into two main categories: a) abbreviations of descriptors that contain the word AND, and b) abbreviations of descriptors that contain a term that is also in a subheading and abbreviated in the Indexers' subheading abbreviation.

DESCRIPTORS CONTAINING THE WORD AND

Descriptors in MeSH that contain the word AND are cumbersome to search because one must disguise the AND so that it does not conflict with the logical operator AND. To facilitate searching these descriptors MeSH has provided two kinds of abbreviations:

- 1) All descriptors containing the word AND now have an abbreviated form consisting of the descriptor without the AND. For example:

<u>MeSH Descriptor</u>	<u>Abbreviation</u>
STAINS AND STAINING	STAINS STAINING
HEAD AND NECK NEOPLASMS	HEAD NECK NEOPLASMS
PHYSICAL EDUCATION AND TRAINING	PHYSICAL EDUCATION TRAINING
STREPTODORNASE AND STREPTOKINASE	STREPTODORNASE STREPTOKINASE
COMMISSION ON PROFESSIONAL AND HOSPITAL ACTIVITIES	COMMISSION ON PROFESSIONAL HOSPITAL ACTIVITIES

"Omitted AND" abbreviations will not appear as DF's (data form abbreviations) in the Annotated Alphabetic MeSH but will be mentioned as a group in the Introduction.

- 2) Most descriptors containing the word AND now also have an abbreviated form equivalent to the first concept in the descriptor. For example:

<u>MeSH Descriptor</u>	<u>Abbreviation</u>
STAINS AND STAINING	STAINS
HEAD AND NECK NEOPLASMS	HEAD NEOPLASMS
PHYSICAL EDUCATION AND TRAINING	PHYSICAL EDUCATION

Descriptors are not abbreviated to their first concept if the first concept is similar or identical to another MeSH descriptor. These descriptors are:

DILATATION AND CURETTAGE
 FOOT-AND-MOUTH DISEASE
 FOOT-AND-MOUTH DISEASE VIRUS
 ORGANIZATION AND ADMINISTRATION
 RELIGION AND MEDICINE
 RELIGION AND PSYCHOLOGY
 RELIGION AND SCIENCE
 RELIGION AND SEX
 STREPTODORNASE AND STREPTOKINASE

"First concept" abbreviations are also not provided for long descriptors, such as corporate names, for which a very short form already exists as a DF in the Annotated Alphabetic MeSH. These are CPHA, ADAMHA, HEW, OVERALL GORHAM.

These types of abbreviation will appear as DF's in the 1980 Annotated Alphabetic MeSH.

DESCRIPTORS CONTAINING A SUBHEADING

Since Indexers are accustomed to subheading abbreviations, they requested that they be allowed to use their subheading abbreviations when entering a descriptor that contains a term that is also in a subheading and abbreviated in the subheading abbreviation. (Indexers' subheading abbreviations are listed in the Introduction to the Annotated Alphabetic MeSH.) Examples of "embedded subheading" abbreviations:

<u>MeSH Descriptor</u>	<u>Abbreviation</u>
ECONOMICS, NURSING	ECON NURS
MICROSURGERY	MICROSURG
PHYSICAL EDUCATION AND TRAINING	PHYSICAL EDUC AND TRAINING PHYSICAL EDUC TRAINING (combination of omitted AND and embedded subheading abbreviations) PHYSICAL EDUC (combination of first concept and embedded subheading abbreviations)

NLM TECHNICAL BULLETIN - APR 79

The word in the descriptor need not be identical with the word in the sub-heading; it may be in noun or adjectival form:

<u>MeSH Descriptor</u>	<u>Abbreviation</u>
REFLEX, ABNORMAL	REFLEX ABNORM
IMMUNOLOGIC TECHNIQS	IMMUNOL TECHNIQS
SOCIOECONOMIC FACTORS	SOCIOECON FACTORS
TOMOGRAPHY, RADIOGRAPHIC	TOMOGRAPHY RADIOGR
ABNORMALITIES, RADIATION-INDUCED	ABNORM RAD IND

It must, however, be basically the same word. For example, PATIENT ISOL, based on the subheading abbreviation for isolation & purification, is the short form for PATIENT ISOLATION, not PATIENT ISOLATORS.

Embedded subheading abbreviations will not appear as DF's in the Annotated Alphabetic MeSH but will be mentioned as a group in the Introduction.

ALL ABBREVIATED FORMS ARE AVAILABLE TO BOTH INDEXERS AND SEARCHERS. NOTE THAT ALL SHORT FORMS EXCLUDE PUNCTUATION.

NEW SERIALS ANNOUNCEMENT - MARCH 79
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.

AKTUELLE OPHTHALMOLOGIE
1976--
LEHMANN
CONTINUES ALMANACH FUR DIE AUGENHEILKUNDE
MUENCHEN GERMANY, WEST
IN PROCESS

AMERICAN JOURNAL OF FAMILY THERAPY
1979--
BRUNNEP/MAZEL
CONTINUES INTERNATIONAL JOURNAL OF FAMILY
COUNSELLING.
NEW YORK UNITED STATES
ON ORDER

ANNUAL REPORT - NATIONAL ARTHRITIS ADVISORY
BOARD
1,1977--
U.S. DHEW. NATIONAL ADVISORY BOARD
BETHESDA UNITED STATES
ADDRESS: FEDERAL BUILDING 7550 WISCONSIN
AVENUE ROOM 620 BETHESDA, MARYLAND 20014
IN PROCESS

ASSIGNMENT CHILDREN
1979--
UNICEF
LIBRARY ALSO ACQUIPES FRENCH EDITION
ENTITLED: CARNETS DE L ENFANCE.
GENEVE SWITZERLAND
ON ORDER

BIBLIOGRAPHIE DES TRAVAUX EN LANGUE
FRANCAISE SUR L AFRIQUE AU SUD DU SAHARA
1978--
CENTRE D ETUDES AFRICAINES-CARDAN
FORMED BY THE UNION OF BIBLIOGRAPHIE
FRANCAISE AU SUD DU SAHARA; BIBLIOGRAPHIE
AFRICANISTE (FORMERLY PUBLISHED AS AN
ANNUAL ISSUE IN JOURNAL DE LA SOCIETE DES
AFRICANISTES); AND FICHES D OUVRAGES:
SCIENCES HUMAINES AFRICANISTES.
PARIS FRANCE
CENTRE D ETUDES AFRICAINES-CARDAN, 54 BD.
RASPAIL, 75006 - PARIS, FRANCE
ON ORDER

BIOLOGICAL MAGNETIC RESONANCE
1,1978--
PLENUM PRESS
NEW YORK UNITED STATES
WI BI75R

BOLLETTINO DI AUDIOLOGIA E FONIATRIA
1,1979--
EDIZIONI LUIGI POZZI
ROMA ITALY
ON ORDER

BULLETIN OF THE HAMPSTEAD CLINIC
1,1978--
HAMPSTEAD CLINIC
LONDON ENGLAND
HAMPSTEAD CLINIC, 21 MARESFIELD GARDENS,
LONDON NW3 5SU, ENGLAND
ON ORDER

CANCER MANAGEMENT
1977--
MASSON
NEW YORK UNITED STATES
IN PROCESS

CENTER FOR DISEASE CONTROL INTESTINAL
PARASITE SURVEILLANCE; ANNUAL SUMMARY
1976--
CENTER FOR DISEASE CONTROL
ATLANTA UNITED STATES
IN PROCESS

CONTINUING EDUCATION ON COMPUTED TOMOGRAPHY
SERIES I
1979--
EMI MEDICAL
NORTHBROOK IL UNITED STATES
EMI MEDICAL INC. 4000 COMMERCIAL DRIVE
NORTHBROOK, IL 60062 ATTN: DEPT OF
PROFESSIONAL EDUCATION
ON ORDER

CURRENT RADIOLOGY
1,1978--
HOUGHTON MIFFLIN PROFESSIONAL PUBLISHERS,
MEDICAL DIVISION
BOSTON UNITED STATES
ON ORDER - UCLA

CURRENT STATUS OF MODERN THERAPY
1,1978--
UNIVERSITY PARK PRESS
BALTIMORE UNITED STATES
WI CU81S

DERMATOLOGY
1,MAY,1978--
DIDACTIC
APPROVED FOR CONTINUING EDUCATION CREDIT BY
THE AMA.
EVANSTON IL UNITED STATES
WI DE5085

DEVELOPMENTS IN HALOPHILIC MICROORGANISMS
1,1978--
ELSEVIER-NORTH-HOLLAND BIOMEDICAL PRESS
AMSTERDAM NETHERLANDS
WI DE997VZ

DIRECTORY OF UNPUBLISHED EXPERIMENTAL
MENTAL MEASURES
2ND,1978--
BEHAVIORAL PUBLICATIONS
CONTINUES EXPERIMENTAL MENTAL MEASURES
YEARBOOK.
NEW YORK UNITED STATES
ON ORDER

ENDOCRINE REVIEWS
1,1979--
WILLIAMS AND WILKINS
BALTIMORE UNITED STATES
ON ORDER

ESSE
1,FEB,1977--
FEDERAZIONE ITALIANA SINDICATI OPERATORI
SANITA
ROMA ITALY
ON ORDER

IM HAUSTECHNIK BAUPHYSIK UMWELTTECHNIK
100N1/2,1979--
R. OLDENBURG VERLAG
CONTINUES GESUNDHEITS-INGENIEUR
MUNCHEN GERMANY, WEST
WI HA894

HEALTH DATA GUIDE
1977--
RHODE ISLAND DEPARTMENT OF HEALTH
CONTINUES RHODE ISLAND DEPARTMENT OF HEALTH
HEALTH PLANNING GUIDE.
PROVIDENCE RI UNITED STATES
IN PROCESS

HEALTH PRACTITIONER AND PHYSICIAN ASSISTANT
3N1,1979--
F AND F PUBLICATIONS
CONTINUES PHYSICIAN ASSISTANT.
NEW YORK UNITED STATES
IN PROCESS

INDUSTRY AND HEALTH CARE
N5,1978--
SPRINGER-VERLAG
EARLIER VOLS. ISSUED WITH SERIES TITLE:
SPRINGER SERIES ON INDUSTRY AND HEALTH
CARE, WHICH IS CLASSED SEPARATELY AT NLM.
CALLED ALSO: SPRINGER SERIES ON INDUSTRY
AND HEALTH CARE.
NEW YORK UNITED STATES
WI IN394P

NLM TECHNICAL BULLETIN - APR 79

INFECTION CONTROL AND UROLOGICAL CARE
1,1976--
TRAVENOL LABORATORIES
DEERFIELD IL UNITED STATES
TRAVENOL LABORATORIES, MEDICAL PRODUCTS
DIVISION, DEERFIELD, IL. 60015
WI IN406E

INTERNATIONAL JOURNAL OF WOMENS STUDIES
1,1978--
EDEN PRESS
MONTREAL CANADA
ON ORDER

INTERNATIONAL OPHTHALMOLOGY
1,1979--
W. JUNK
THE HAGUE NETHERLANDS
ON ORDER

JOURNAL OF BIOMECHANICAL ENGINEERING
1,1977--
AMERICAN SOCIETY OF MECHANICAL ENGINEERS
NEW YORK UNITED STATES
AMERICAN SOCIETY OF MECHANICAL ENGINEERS,
345 E. 47TH ST, NEW YORK, NEW YORK 10017
ON ORDER

JOURNAL OF BIOMEDICAL ENGINEERING
1,1979--
IPC SCIENCE AND TECHNOLOGY PRESS
GUILDFORD SURREY ENGLAND
IPC SCIENCE AND TECHNOLOGY PRESS, LTD, 205
EAST 42ND STREET, NEW YORK, N.Y. 10017
ON ORDER

JOURNAL OF DEVELOPMENTAL PHYSIOLOGY
1,FEB,1979--
BLACKWELL
OXFORD ENGLAND
ON ORDER

JOURNAL OF FAMILY THERAPY
1,1979--
ACADEMIC PRESS
NEW YORK UNITED STATES
ON ORDER

JOURNAL OF MARITAL AND FAMILY THERAPY
5,1979--
AMERICAN ASSN. FOR MARRIAGE AND FAMILY
THERAPY
CONTINUES JOURNAL OF MARRIAGE AND FAMILY
COUNSELING
UPLAND CA UNITED STATES
ON ORDER - UCLA

JOURNAL OF PUBLIC HEALTH POLICY
1,1979--
NEW YORK MEDICAL CENTER
NEW YORK UNITED STATES
JOURNAL OF PUBLIC HEALTH POLICY, C/O DEPT.
OF COMMUNITY AND PREVENTIVE MEDICINE, NEW
YORK MEDICAL COLLEGE, FIFTH AVENUE AND
106TH STREET, NEW YORK, N.Y. 10029
ON ORDER

JOURNAL OF SOCIAL WELFARE LAW
NOV,1978--
SHEET AND MAXWELL
ANDOVER ENGLAND
SHEET AND MAXWELL NORTH WAY, ANDOVER,
HANTS, SP10 5BE
WI J0889C

KLINISCHE PSYCHOLOGIE: TRENDS IN FORSCHUNG
UND PRAXIS
1,1978--
VERLAG HANS HUBER
BERN SWITZERLAND
IN PROCESS

LAB. LABORATORY MEDICINE FOR PRACTICING
PHYSICIANS
1,1978--
PEER COMMUNICATION GROUP
RIDGWOOD NJ UNITED STATES
PHILCOM, BOX 691, 615 FRANKLIN TURNPIKE,
RIDGWOOD, N.J. 07451
IN PROCESS

MAUDRICHS NEUZEITLICHE DIATVORSCHRIFTEN
1976?--
WILHELM MAUDRICH VERLAG
CONTINUES SAMMLUNG NEUZEITLICHER
DIATVORSCHRIFTEN
WIEN AUSTRIA
IN PROCESS

MEDICAL PHYSICS MONOGRAPH
1,1978?--
AMERICAN INSTITUTE OF PHYSICS
NEW YORK UNITED STATES
AMERICAN INSTITUTE OF PHYSICS, 335 EAST 45
ST., NEW YORK, N.Y. 10017
ON ORDER

MODERN PAEDIATRIC CARDIOLOGY
1,1980--
CHURCHILL LIVINGSTONE
EDINBURGH SCOTLAND
ON ORDER

MONOGRAPH SERIES - HUMAN RESOURCES INSTITU..
1978--
HUMAN RESOURCES INSTITUTE
TAMPA FL UNITED STATES
IN PROCESS

MOTHERING
1,1977--
RIDGWAY CO UNITED STATES
P.O. BOX 184, RIDGWAY, CO. 81432
ON ORDER

NATIONAL DIRECTORY OF CHILDREN AND YOUTH
SERVICES
1,1979--
CPR DIRECTORY SERVICES CO.
WASHINGTON UNITED STATES
CPR DIRECTORY SERVICES CO. 1301 20TH ST.
N.W. WASHINGTON, D.C. 20036
ON ORDER

NEUROSCIENCE LETTERS. SUPPLEMENT
1,1978--
ELSEVIER/NORTH-HOLLAND
AMSTERDAM NETHERLANDS
ON ORDER - UCLA

NINCDS BIBLIOGRAPHY SERIES

3,1978--
 U.S. NATIONAL INSTITUTE OF NEUROLOGICAL AND
 COMMUNICATIVE DISORDERS AND STROKE
 CONTINUES BIBLIOGRAPHY SERIES
 BETHESDA MD UNITED STATES
 U.S. DHEW EPILEPSY BRANCH, NEUROLOGICAL
 DISORDERS PROGRAM, NATIONAL INSTITUTE OF
 NEUROLOGICAL AND COMMUNICATIVE DISORDERS
 AND STROKE, NATIONAL INSTITUTES OF HEALTH,
 BETHESDA, MARYLAND 20014
 IN PROCESS

NOTIZIARIO PEDIATRICO

1,1979--
 NOTIZIARIO PEDIATRICO
 SUPERSEDES NOTIZIARIO DELLA SOCIETA
 ITALIANA DI PEDIATRIA
 TORINO ITALY
 W1 N0819K

NUTRITION AND CANCER

1,1978--
 FRANKLIN INSTITUTE PRESS
 PHILADELPHIA UNITED STATES
 FRANKLIN INSTITUTE PRESS, 20TH AND PARKWAY,
 BOX 2266, PHILADELPHIA, PA. 19103
 ON ORDER

ORTHOPAEDIC PRACTITIONER

1,1978--
 MEDIZINISCH LITERARISCHE
 VERLAGSGESELLSCHAFT MBH
 AN ANNUAL REVIEW OF CONTRIBUTIONS TO THE
 ORTHOPAEDISCHE PRAXIS
 VELZEN GERMANY WEST
 IN PROCESS

PHYSICAL METHODS IN MODERN CHEMICAL ANALYSIS

1,1979--
 ACADEMIC PRESS
 NEW YORK UNITED STATES
 ON ORDER

PHYTOHORMONES AND RELATED COMPOUNDS: A
 COMPREHENSIVE TREATISE

1,1979--
 ELSEVIER/NORTH HOLLAND
 NEW YORK UNITED STATES
 ON ORDER

IM PM. PHARMACY MANAGEMENT

151, JAN/FEB 1979--
 PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE
 FORMED BY THE UNION OF PHARMACY MANAGEMENT
 AND AMERICAN JOURNAL OF PHARMACY AND THE
 SCIENCES SUPPORTING PUBLIC HEALTH. RUNNING
 TITLE: PHARMACY MANAGEMENT. OFFICIAL
 PUBLICATION OF THE AMERICAN SOCIETY FOR
 PHARMACY LAW.
 PHILADELPHIA UNITED STATES
 W1 P647E

RESEARCH TOPICS IN PHYSIOLOGY

1,1978--
 ACADEMIC PRESS
 BASED ON AN ANNUAL SEMINAR SERIES CONDUCTED
 BY THE DEPT. OF PHYSIOLOGY AT TEXAS TECH
 UNIVERSITY SCHOOL OF MEDICINE.
 NEW YORK UNITED STATES
 W3 RE488S

REVIEWS OF INFECTIOUS DISEASES

1,1979--
 UNIV. OF CHICAGO PRESS
 CHICAGO UNITED STATES
 ON ORDER - UCLA

SELF ASSESSMENT MANUAL

1,1978--
 WILLIAM HEINEMANN MEDICAL BOOKS
 LONDON ENGLAND
 IN PROCESS

SEXOLOGY

44NB, 1978--
 SEXOLOGY PUBLICATIONS
 CONTINUES TOGETHER.
 NEW YORK UNITED STATES
 SEXOLOGY PUBLICATIONS, 200 PARK AVE. SOUTH,
 NEW YORK, N.Y. 10003
 ON ORDER

SPECIAL PROJECTS FOR IMPROVEMENT IN NURSE
 TRAINING

1978--
 U.S. DIVISION OF NURSING
 CONTINUES SPECIAL PROJECT GRANTS AND
 CONTRACTS AWARDED FOR IMPROVEMENT IN NURSE
 TRAINING.
 HYATTSVILLE MD UNITED STATES
 IN PROCESS

SPORTTHERAPEUTISCHE PRAXIS

1,1978--
 VERLAG MAX SCHMIDT-ROMHILD
 LUBECK GERMANY, WEST
 IN PROCESS

THORACIC AND CARDIOVASCULAR SURGEON

27N1, 1979--
 GEORGE THIEME
 CONTINUES THORAXCHIRURGIE VASKULAERE
 CHIRURGIE
 STUTTGART GERMANY, WEST
 W1 TH895

TOPICS IN CLINICAL NURSING

1,1979--
 ASPEN PUB. CO.
 GERMANTOWN MD UNITED STATES
 ON ORDER - UCLA

ULTRASONIC IMAGING

1,1979--
 ACADEMIC PRESS
 NEW YORK UNITED STATES
 ON ORDER

UROLOGIC RADIOLOGY

1,1979--
 SPRINGER-VERLAG
 NEW YORK UNITED STATES
 ON ORDER

WASHINGTON HEALTH RECORD

1, JAN 8, 1979--
 MCGRAW HILL
 ISSUE FOR FEB. 5, 1979 LACKS VOL. NUMBERING
 BUT CONSTITUTES VOL. 1, NO. 5.
 WASHINGTON UNITED STATES
 W1 WA603

WOMEN IN CONTEXT: DEVELOPMENT AND STRESSES

1,1978--
 PLENUM
 NEW YORK UNITED STATES
 ON ORDER

LIST OF MONOGRAPHS INDEXED

MAY 1979

B

Brain mechanisms in memory and learning : from the single neuron to man / edited by Mary A. B. Brazier. — New York : Raven Press, c1979. xv, 400 p. : ill. — (International Brain Research Organization monograph series ; v. 4) Proceedings of a symposium held at the Royal Society, London, in July 1977, as a satellite to the 27th International Congress of Physiological Sciences held in Paris.
1. Brain - physiology - congresses 2. Learning - congresses 3. Memory - congresses I. Brazier, Mary Agnes Burniston, 1904- ed. II. International Congress of Physiological Sciences, 27th, Paris, 1977. III. Royal Society of London. IV. Title: Symposium on brain mechanisms in memory and learning V. Series
ISBN 0-89004-160-1 LC: 78-67019
04NLM: W1 IN71S v.4 1979
OXNLM: [WL 300 B8133 1977]
IM Cit. No. 7805740 (rev. CIP.)

II. Hartog Jager, Willem Anton, ed. III. Heijstee, A. P. J., ed. IV. International Congress of Neurology, 10th, Barcelona, 1973. V. Title VI. Series
ISBN 0-444-90017-9
04NLM: W3 EX89 no.434 1977
OXNLM: [WL 100 W926 1977n]
IM Cit. No. 7708834 (rev. CIP.)

M

Moshach Colloquium, 29th, 1978. Energy conservation in biological membranes : 29. Colloquium der Gesellschaft für Biologische Chemie, 6.-8. April 1978 in Moshach/Baden / edited by G. Schäfer and M. Klingenberg. — Berlin ; New York : Springer-Verlag, 1978. xiv, 287 p. : ill.
1. Energy Metabolism - congresses 2. Energy Transfer - congresses 3. Membranes - congresses 4. Molecular Biology - congresses I. Klingenberg, Martin, ed. II. Schäfer, Günther, 1935- ed.
III. Gesellschaft für Biologische Chemie. IV. Title
ISBN 0-387-09079-7
04NLM: W3 M087 29th 1978e
OXNLM: [QH 601 M894 1978e]
IM Cit. No. 7809834 (rev. CIP.)

P

Persistent viruses / edited by Jack G. Stevens, George J. Todaro, C. Fred Fox. — New York : Academic Press, 1978. xi, 819 p. : ill. — (ICN-UCLA symposia on molecular & cellular biology ; v. 11) Supported by ICN Pharmaceuticals and the National Institutes of Health. Papers from a symposium held in Keystone, Colo. in 1978. Includes bibliographies.
1. Virology - congresses I. Fox, C. Fred, ed. II. Stevens, Jack G., ed. III. Todaro, George J., ed. IV. ICN Pharmaceuticals, inc. V. National Institutes of Health. VI. Title: Conference on persistent viruses VII. Series
ISBN 0-12-668350-6 LC: 78-12077
04NLM: W3 I322 v.11 1978
OXNLM: [QW 160.3 P466 1978]
IM Cit. No. 7901563

V

Virginia Lazenby O'Hara Biochemistry Symposium, Dallas, 1978. Microenvironments and metabolic compartmentation / edited by Paul A. Srere, Ronald W. Estabrook. — New York : Academic Press, 1978. xiv, 455 p. : ill., ports. — (Academic Press rapid manuscript reproduction)
1. Cell Compartmentation 2. Organoids - congresses I. Estabrook, Ronald W., ed. II. Srere, Paul A., ed. III. Title
ISBN 0-12-660550-5 LC: 78-16858
04NLM: QH 604.3 V816m 1978
IM Cit. No. 7901340

W

World Congress of Neurology, 11th, Amsterdam, 1977. Neurology : proceedings of the 11th World Congress of Neurology, Amsterdam, September 11-16, 1977 / editors, W. A. den Hartog Jager, G. W. Bruyn, A. P. J. Heijstee. — Amsterdam : Excerpta medica ; New York : [distributed by] Elsevier/North-Holland, c1978. ix, 437 p. : ill. — (Excerpta medica : International congress series ; no. 434) 10th congress called International Congress of Neurology.
1. Neurology - congresses I. Bruyn, G. W., ed.

THE NLM TECHNICAL BULLETIN

MAY 1979

NO. 121

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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	7,020	THROUGH 1979	26 MAY 79	
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	7,129	JAN 73-DEC 78	24 APR 79	7904(EM)
*CANCERLIT	165,804	JAN 63-MAY 79	15 MAY 79	7905(ED)
*CANCERPROJ	16,771	1976-1979	30 APR 79	7903(ED)
*CATLINE	186,873	1965-1979	26 MAY 79	
CHEMLINE	362,537		02 APR 79	
*CLINPROT	1,520		08 MAY 79	7904(ED)
*EPILEPSY	24,177	1945-PRESENT	20 JAN 79	
*HEALTH	114,725	JAN 75-JUN 79	14 MAY 79	7906(EM)
*HISTLINE	36,096		07 MAY 79	
MEDLINE	492,240	JAN 77-JUN 79	07 MAY 79	7906(IM)
MESH VOC	14,819	1979	11 DEC 78	
*NAME AUTH	103,762	1979	30 MAY 79	
*RTECS	33,929	1978	20 MAR 79	
SDILINE	20,158	JUN 79	07 MAY 79	
*SERLINE	32,546	1979	25 MAY 79	
*TDB	2,482		30 OCT 78	
*TOXLINE	584,039		29 MAY 79	7905(ST)
CBAC	304,301	1974-VOL 29(9&10)		
TOXBIB	116,619	1974-JUNE 79		
IPA	33,329	1974-MAR-APR 79		
HEEP	70,219	1974-MAY 79		
PESTAB	16,063	1974-JUNE 79		
EMIC	22,792	1960-1978		
ETIC	13,901	1950-MAR 79		
RPROJ	5,227	MAR, MAY, JUNE, JULY 79		
*TOXBACK	379,299		26 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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MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, Maryland 20209
301/496-6193

TECHNICAL NOTES

PLEASE QUERY THE ONLINE 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.

MODEMS (Manual 3.3) - Users with the Anderson Jacobson modem, Model AJ1255, may call telecommunications nodes for 120 cps access that are denoted V3405 (for VADIC 3405 modems) on the PHONES list published bimonthly with the Bulletin.

NEW PRINT FORMATS, SHORTENED LOGIN & STOP (Manual 3. & 4.) - At NLM only, two new print formats and abbreviated login and stop procedures are available. (1) A compressed printing option may be requested in any online print command. In this format, data elements having more than one item of information will have the items printed out across the page. This format may be requested online by adding the one word COMPRESSED, COMPRESS, or COMPR to any print command. Example:

PRINT COMPRESSED
PROG:

1
AU - BROWN JE ; BAUGH RF ; HOGUE C
TI - SUBSTRATE INHIBITION OF THE INTRINSIC GENERATION OF ACTIVATED
FACTOR X (STUART FACTOR).
SO - THROMB RES 13(5):893-900, NOV 78

(2) The other new print format is PRINT CC in CATLINE only. This command will print the citations retrieved in catalog card format and is only available with online printing, not offline. Example:

PRINT CC
PROG:

1
VICTORIAN HOSPITALS' ASSOCIATION.
NURSING MANPOWER : PROBLEMS AND REQUIREMENTS : A RESEARCH PROJECT /
COMMISSIONED BY THE VICTORIAN HOSPITALS' ASSOCIATION LTD. --
[MULGRAVE, AUSTRALIA] : THE ASSOC., 1977.
IV, 216 P. : ILL.

1. NURSING - MANPOWER - AUSTRALIA 1. TITLE

ISBN 0-9596914-0-5

O4NLM: WY 16 V645N 1977
CIT. NO. 7900161 (REV)

The shortened login and stop procedures are:

- (1) The USERID and PASSWORD may be entered on the same line separated by a slash, i.e., AAA01/BBBB.
- (2) The question 'ARE YOU AN EXPERIENCED USER?' has been deleted.
- (3) The answer YES to 'DONE (YES/NO)?' may be entered on the same line with the STOP command, i.e., STOP Y or STOP YES.

We anticipate having these features available at SUNY by July 1st.

- BIOETHICS (Manual 21.) - The BIOETHICS file was regenerated on April 24, 1979. The BIOETHICS keywords now map to 1979 MeSH terms. All 7,129 citations in the file now carry a 7904 (EM) tag.
- CANCERLIT (Manual 16.) - The CANCERLIT file was regenerated and partially updated for April on April 23, 1979. A successive update for April was done on April 30 and the completely up-to-date file made available on May 1, 1979. The file now contains 159,534 records. The latest update tag is 7904(ED).
- UPDATES - Appendix A shows the update frequency for the data bases.
- PHONES - Appendix B is an updated list of telecommunications access numbers for NLM and SUNY.
- INDEX TO LITERATURE SEARCHES - Appendix C is a KEYWORD INDEX TO NLM'S LITERATURE SEARCHES.

NLM DATA BASE USERS' EDUCATIONAL NEEDS PROFILE: A REMINDER
Joseph Leiter, Ph.D.
Associate Director for Library Operations, NLM

SCORE is currently conducting a survey entitled "NLM Database Users' Educational Needs Profile". In the previous NLM Technical Bulletin, a cover letter and one copy of the questionnaire was distributed to each NLM online center. Recipients were asked to identify other potential respondents in their organization and to duplicate and distribute copies of the documents accordingly.

NLM TECHNICAL BULLETIN - MAY 79

Your participation is very important. As a reminder, please note that the deadline for receipt of all completed questionnaires is June 30, 1979. Please send the forms to:

Online Training Coordinator
National Library of Medicine
8600 Rockville Pike
Bethesda, Maryland 20209

Once the forms are collected, the data will be extracted, tabulated, and analyzed. A summary of the results will be distributed through the Bulletin.

Thank you again for your cooperation.

1978 RTECS WITH QUARTERLY UPDATE ONLINE AT NLM
Sharon L. Valley, Ph.D.
Specialized Information Services, NLM

The 1978 edition of the Registry of Toxic Effects of Chemical Substances (RTECS) with the quarterly update is available online at the National Library of Medicine. This computer-based file contains toxicity data for 36,000 substances, known by 125,000 names. The hardcopy GPO publication order number and price will be announced by NIOSH later this summer. In the meantime, users have rapid access to the information in the Registry via NLM's computer system. RTECS is now also available on microfiche, quarterly, from the U.S. Government Printing Office.

This new version of RTECS online at NLM also includes a monthly date to indicate when a new substance was added to the Registry, or information in previous records was changed or added. This new data element, Entry Month (EM), began in February, 1979. It is a four-digit numeric field (YYMM format), e.g., 7902 for February 1979. This quarterly regeneration has three new EM tags: 7902, 7903, 7904 to indicate additions/changes by NIOSH, to records for February-April 1979. This field is directly searchable using the EM mnemonic, and prints with PRINT DETAILED.

For further information on RTECS, please contact the Toxicology Information Program, National Library of Medicine.

NAF UPDATE
Carolyn N. Davis
Cataloging Section, Technical Services Division, NLM

The Name Authority File has been regenerated and now includes additional fields which will be useful in the future when the Anglo-American Cataloging Rules, 2nd Edition, are implemented.

The following are new fields:

1. AACR2 Form of Heading Cross Reference (A2) (Directly and Text Word searchable)

As preliminary work prior to implementation of AACR2 rules in January 1981, NLM will begin using this field to create AACR2 forms for names and series established under AACR rules. These AACR2 forms of headings are not true cross references, but will be used to update the name or series heading when AACR2 is officially implemented.

2. Call Number (CA) (Directly searchable)

The Call Number, already a field in the Series Decision Records for works classed together, will also appear on recurring congress names for symposia that are classed together.

3. General Note (GN)

Notes of a bibliographic nature are placed in this note field to distinguish them from NLM's internal processing notes carried in the NO field.

4. Language (LA) (Directly searchable)

The language of the name or series heading will be added.

5. Major Revision Date (MR) (Directly searchable and Rangeable)

When the form of heading for a name or series of any cross-reference to a name or series is modified, the record will contain a date to reflect the major revision.

6. Usage (US) (Directly searchable)

The Usage field describes the file for which the name or series has been created (CATLINE or AVLINE) and/or the reason the record was created. The present values that are possible are AV (used only for AVLINE records) and CIP used only in Cataloging-in-Publication).

NLM TECHNICAL BULLETIN - MAY 79

NEW SERIALS ANNOUNCEMENT - APRIL 1979
Serial Records, Technical Services Division, NLM

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

- ABSTRACTS ON MANAGEMENT AND ADMINISTRATION
OF PHARMACY
1,1978--
AMERICAN SOCIETY OF HOSPITAL PHARMACISTS
A COMPILATION OF ABSTRACTS FROM THE IPA
INFORMATION SYSTEM WHICH APPEARED IN
INTERNATIONAL PHARMACEUTICAL ABSTRACTS,
1970- .
WASHINGTON UNITED STATES
AMERICAN SOCIETY OF HOSPITAL PHARMACISTS,
4630 MONTGOMERY AVE., WASHINGTON, D.C. 20014
ZQV 737 A164
- ACTUALITES DE CARCINOLOGIE CERVICO-FACIALE
NI/2,1977--
MASSON
PARIS FRANCE
ON ORDER
- AMERICAN JOURNAL OF CLINICAL BIOFEEDBACK
1,1978--
PEABODY COLLEGE
NASHVILLE TN UNITED STATES
ON ORDER
- BGA BERICHTE
1,1978--
REIMER
ISSUED BY THE BUNDESGESUNDHEITSAMT
BERLIN GERMANY, WEST
WI B439
- BIOPHYSICS AND BIOENGINEERING SERIES
1,1979--
ACADEMIC PRESS
EDITOR: V. 1- A. NOORDERGRAAF.
NEW YORK UNITED STATES
WI B1878
- BULLETIN DE L UNION MONDIALE POUR LA
SAUVEGARDE DE L ENFANCE ET DE L ADOLESCENCE
WORLD UNION FOR THE SAFEGUARD OF YOUTH
CONTINUES BULLETIN DE L UNION MONDIALE DES
ORGANISMES POUR LA SAUVEGARDE DE L ENFANCE
ET DE L ADOLESCENCE
PARIS FRANCE
IN PROCESS
- IM CANADIAN JOURNAL OF PSYCHIATRY. REVUE
CANADIENNE DE PSYCHIATRIE
24NI, FEB 1979--
CANADIAN PSYCHIATRIC ASSN
CONTINUES CANADIAN PSYCHIATRIC ASSOCIATION
JOURNAL. OFFICIAL JOURNAL OF THE CANADIAN
PSYCHIATRIC ASSOCIATION
OTTAWA CANADA
WI CA602V
- CENTER FOR DISEASE CONTROL ASEPTIC
MENINGITIS SURVEILLANCE : ANNUAL SUMMARY
1976--
CENTER FOR DISEASE CONTROL
CONTINUES CENTER FOR DISEASE CONTROL
NEUROTOXIC VIRAL DISEASES SURVEILLANCE:
ASEPTIC MENINGITIS; ANNUAL SUMMARY
ATLANTA GA UNITED STATES
CENTER FOR DISEASE CONTROL, ATLANTA, GA
30333
ON ORDER - UCLA
- CENTER FOR DISEASE CONTROL PSITTACOSIS
SURVEILLANCE; ANNUAL SUMMARY
1978--
CENTER FOR DISEASE CONTROL
CONTINUES CENTER FOR DISEASE CONTROL
PSITTACOSIS ZOOSES SURVEILLANCE; ANNUAL
SUMMARY PSITTACOSIS
ATLANTA UNITED STATES
IN PROCESS
- CHARITIES DIGEST
85,1978--
FAMILY WELFARE ASSOCIATION
CONTINUES ANNUAL CHARITIES DIGEST
LONDON ENGLAND
IN PROCESS
- CHECKLIST OF CONGRESSIONAL HEARINGS AND
COMMITTEE PRINTS
1,1979--
BERNAN ASSOCIATES
CONTINUES CHECKLIST OF CONGRESSIONAL
HEARINGS.
LANHAM MD UNITED STATES
IN PROCESS
- CHINESE SCIENCE AND TECHNOLOGY
1, SPRING 1979--
M.E. SHARPE
WHITE PLAINS N Y UNITED STATES
ON ORDER
- CHUNG-HUA I HSUEH CHIEN YEN TSA CHIH
1,1978--
CHUNG-HUA I HSUEH HUI
PEKING CHINA MAINLAND
IN PROCESS

CLINICAL ENZYMOLOGY SYMPOSIA

1,1977--
 PICCIN MEDICAL BOOKS
 CONSISTS OF THE PROCEEDINGS OF THE 7TH-
 INTERNATIONAL SYMPOSIUM ON CLINICAL
 ENZYMOLOGY, HELD 1976- . PROCEEDINGS OF
 EARLIER SYMPOSIA PUBLISHED SEPARATELY.
 PADUA ITALY
 W3 C162HP

CURRENT VIEWS IN GASTROENTEROLOGY

1,1977--
 HUNGARIAN SOCIETY OF GASTROENTEROLOGY
 BUDAPEST HUNGARY
 HUNGARIAN SOCIETY OF GASTROENTEROLOGY,
 KIOSAROK 1, BUDAPEST XII, HUNGARY
 ON ORDER

DCT BULLETIN

1979--
 NATIONAL CANCER INSTITUTE
 CONTINUES DCT NEWSLETTER
 BETHESDA MD UNITED STATES
 NCI, BLDG. 31, ROOM 3A-49
 IN PROCESS

ETA EVOLUTIVA

1,NOV 1978--
 GIUNTI BARBERA
 FIRENZE, ITALY ITALY
 GIUNTI-BARBERA, VIA GIOBERTI, 34, 50121
 FIRENZE, ITALY
 W1 ET35

FACT BOOK FOR FISCAL YEAR - NATIONAL
 INSTITUTE OF GENERAL MEDICAL SCIENCES
 1978-

U.S.DHEW NATIONAL INSTITUTE OF GENERAL
 MEDICAL SCIENCES
 BETHESDA MD UNITED STATES
 IN PROCESS

GENERAL DENTAL PRACTICE

1,1978--
 KLUWER PUBLISHING
 BRENTFORD, ENGLAND
 MIDDLESEX
 KLUMER PUBLISHING, LTD, 20 MARKET PLACE,
 BRENTFORD, MIDDLESEX TW8 8BR, ENGLAND
 ON ORDER

GIESSENER STUDIENREIHE HEIL- UND
 SONDERPAEDAGOGIK

1,1978--
 VERLAG JARICK, OBERBIEL
 GERMANY
 IN PROCESS

INTERNATIONAL JOURNAL OF BIOLOGICAL
 MACROMOLECULES

1,APR 1979--
 IPC SCIENCE AND TECHNOLOGY PRESS
 GUILDFORD ENG ENGLAND
 ON ORDER

JAPAN MEDICAL RESEARCH FOUNDATION
 PUBLICATION

1976?--
 UNIVERSITY PARK PRESS
 BALTIMORE UNITED STATES
 W1 JA883

JOURNAL OF APPLIED BIOCHEMISTRY

1,1979--
 ACADEMIC PRESS
 NEW YORK UNITED STATES
 ON ORDER

JOURNAL OF CHEMICAL TECHNOLOGY AND
 BIOTECHNOLOGY

29,1979--
 PUBLISHED FOR THE SOCIETY OF CHEMICAL
 INDUSTRY BY BLACKWELL SCIENTIFIC
 PUBLICATIONS
 CONTINUES JOURNAL OF APPLIED CHEMISTRY AND
 BIOTECHNOLOGY.
 OXFORD ENGLAND
 W1 J0581U

JOURNAL OF CONTINUING EDUCATION IN RADIOLOGY

1,1979--
 MEDICAL DIGEST
 SUPERSEDES RADIOLOGY DIGEST.
 NORTHFIELD IL UNITED STATES
 MEDICAL DIGEST, INC. 445 CENTRAL AVE.,
 NORTHFIELD, IL. 60093
 ON ORDER

JOURNAL OF CYTOLOGY AND GENETICS

12,1977--
 SOCIETY OF CYTOLOGISTS AND GENETICISTS
 DHARWAR INDIA
 IN PROCESS

JOURNAL OF INHERITED METABOLIC DISEASE

1,1978--
 MTP PRESS
 ENGLAND
 ON ORDER

MEDICAL TEACHER

1,1979--
 UPDATE PUBLICATIONS
 LONDON ENGLAND
 UPDATE PUBLICATIONS, 33-34 ALFRED PLACE,
 LONDON WC1E 7DP, ENGLAND
 ON ORDER

MEDICARE MEDICAID INFORMATION

1,JUL 1976--
 HEALTHCARE PUBLICATIONS
 WASHINGTON UNITED STATES
 HEALTHCARE PUBLICATIONS 1080 NATIONAL PRESS
 BUILDING WASHINGTON, D.C. 20045
 W1 ME5509D

MONOGRAPHS ON WHOLISTIC HEALTH CARE

1,1976--
 WHOLISTIC HEALTH CENTERS
 HINSDALE IL UNITED STATES
 SOCIETY FOR WHOLISTIC MEDICINE, 137 S.
 GARFIELD, HINSDALE, IL. 60521
 W1 M05738

NATIONAL INSTITUTES OF HEALTH CONSENSUS
 DEVELOPMENT CONFERENCE SUMMARIES
 1977/78--

NATIONAL INSTITUTES OF HEALTH. OFFICE FOR
 MEDICAL APPLICATIONS RESEARCH
 BETHESDA MD UNITED STATES
 OFFICE FOR MEDICAL APPLICATIONS OF
 RESEARCH, BUILDING 1, RM 216, NATIONAL
 INSTITUTES OF HEALTH, BETHESDA, MD. 20014
 IN PROCESS

NLM TECHNICAL BULLETIN - MAY 79

NEUROSURGICAL REVIEW

1, 1978--
WALTER DE GRUYTER
BERLIN GERMANY, WEST
ON ORDER-UCLA

NEW DIRECTIONS FOR MENTAL HEALTH SERVICES

N1, 1979--
JOSSEY-BASS
SAN FRANCISCO UNITED STATES
NEW DIRECTIONS SUBSCRIPTIONS, JOSSEY-BASS
INC., PUBLISHERS, 433 CALIFORNIA ST., SAN
FRANCISCO, CA. 91404
IN PROCESS

NIAID RESEARCH RESOURCES BRANCH CATALOG
SUPPLEMENT

N6, NOV 1976
NATIONAL INSTITUTES OF HEALTH, PUBLIC
HEALTH SERVICE, DEPT. OF HEALTH, EDUCATION,
AND WELFARE
CONTINUES CATALOG OF TISSUE TYPING
ANTISERA. SUPPLEMENT. CONTINUED BY NIAID
CATALOG OF TISSUE TYPING ANTISERA
SUPPLEMENT. SUPPLEMENT TO: CATALOG OF
TISSUE TYPING ANTISERA.
BETHESDA MD UNITED STATES
DEPARTMENT OF HEALTH, EDUCATION
AND WELFARE NATIONAL INSTITUTES OF HEALTH,
PUBLIC HEALTH SERVICE, NIAID RESEARCH
RESOURCES BRANCH BETHESDA, MARYLAND 20014
QW 26 C357B

NURSING RESEARCH ABSTRACTS

N1, 1978--
INDEX OF NURSING RESEARCH
LONDON ENGLAND
HEALTH AND SOCIAL SECURITY, INDEX OF
NURSING RESEARCH, RM A324, ALEXANDER
FLEMING HOUSE ELEPHANT AND CASTLE, LONDON,
ENGLAND S SE1 6BY
ON ORDER

OTA PRIORITIES

1979--
U.S. CONGRESS, OFFICE OF TECHNOLOGY
ASSESSMENT
WASHINGTON UNITED STATES
CONGRESS OF THE UNITED STATES, OFFICE OF
TECHNOLOGY ASSESSMENT WASHINGTON, DC 20510
IN PROCESS

IM POPULATION REPORTS. SERIES L: ISSUES IN

WORLD HEALTH
N1, MAR 1979--
POPULATION INFORMATION PROGRAM, JOHNS
HOPKINS UNIVERSITY
BALTIMORE MD UNITED STATES
W1 PD671SD

PRACTICAL SPECTROSCOPY

1, 1976--
MARCEL DEKKER
NEW YORK UNITED STATES
IN PROCESS

QUINTESSENCE JOURNAL

1, 1979--
QUINTESSENCE PUBLISHING CO.
CHICAGO UNITED STATES
QUINTESSENCE PUBLISHING CO., SUITE 1338,
105 LASALLE STREET, CHICAGO, IL. 60603
ON ORDER

RECENT ADVANCES IN HISTOPATHOLOGY

1978--
CHURCHILL LIVINGSTONE
CONTINUES RECENT ADVANCES IN PATHOLOGY.
EDINBURGH SCOTLAND
W1 RE105UMD

RESOURCES IN WOMENS EDUCATIONAL EQUITY

1, DEC 1977--
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND
WELFARE. OFFICE OF EDUCATION
WASHINGTON UNITED STATES
ON ORDER

REVUE D ENSEIGNEMENT ET DE RECHERCHE
DOCUMENTAIRE EN ACUPUNCTURE

1978?--
MAISSONEUVE
PARIS FRANCE
MAISONNEUVE, EDITEUR, B.P. 39, 57160
MOULINS-LES-METZ, FRANCE
ON ORDER

SCIENCE AND TECHNOLOGY IN THE USSR

1, SPRING 1979--
M.E. SHARPE
WHITE PLAINS N Y UNITED STATES
ON ORDER

SEIKI SAIGAI GEKA. ORTHOPAEDICS AND
TRAUMATOLOGY

22N1, JAN 1979--
KANEHARA SHUPPAN K K
CONTINUES SAIGAI IGAKU.
TOKYO JAPAN
IN PROCESS

SPRINGER SERIES IN BEHAVIOR MODIFICATION

1, 1976--
SPRINGER
NEW YORK UNITED STATES
IN PROCESS

STANDARDS SURVEY. INTERNATIONAL EDITION

1979--
U.S. DHEW. BUREAU OF MEDICAL DEVICES, FOOD
AND DRUG ADMINISTRATION
THE BUREAU OF MEDICAL DEVICES STANDARDS
SURVEY IS PUBLISHED IN TWO PARTS: THE
INTERNATIONAL EDITION, IN JANUARY AND THE
NATIONAL EDITION, IN JULY.
SILVER SPRING MD UNITED STATES
U.S. DHEW. PUBLIC HEALTH SERVICE, FOOD AND
DRUG ADMINISTRATION SILVER SPRING, MD. 20910
IN PROCESS

SYNTHESES THERAPEUTIQUES

1, APR 1978--
MASSON
PARIS FRANCE
MASSON, 120, BD. SAINT-GERMAIN, 75280
PARIS, FRANCE
ON ORDER

TOXICOLOGIC PATHOLOGY

6, 1978--
SQUIBB INSTITUTE FOR MEDICAL RESEARCH
CONTINUES BULLETIN OF THE SOCIETY OF
PHARMACOLOGICAL AND ENVIRONMENTAL
PATHOLOGISTS
NEW BRUNSWICK NJ UNITED STATES
IN PROCESS

ULTRASTRUCTURAL PATHOLOGY OF HUMAN TUMORS
1, MAY 1979--
EDEN PRESS
MONTREAL CANADA
ON ORDER

VOLUNTARY EFFORT QUARTERLY
1, FEB 1979--
VOLUNTARY EFFORT TO CONTAIN HEALTH CARE
COSTS
CHICAGO UNITED STATES
THE VOLUNTARY EFFORT 840 NORTH LAKE SHORE
DRIVE CHICAGO, IL. 60611
IN PROCESS

WOMAN PATIENT: MEDICAL AND PSYCHOLOGICAL
INTERFACES
1, 1978--
PLENUM
NEW YORK UNITED STATES
ON ORDER

LIST OF MONOGRAPHS INDEXED

JUNE 1979

B

Biomathematics and cell kinetics : based on a workshop held at Université [de] Paris 7, Paris, 27-28 February 1978 / edited by A.-J. Valleron and P. D. M. Macdonald. — Amsterdam ; New York : Elsevier/North-Holland Biomedical Press, 1978. xvii, 431 p. : ill. — (Developments in cell biology ; v. 2)
 1. Cytology - congresses 2. Kinetics - congresses
 3. Mathematics - congresses 4. Models, Biological - congresses I. Macdonald, Peter Duncan
 MacGregor, ed. II. Valleron, Alain Jacques, ed.
 III. Université de Paris VII. IV. Title: Workshop on biomathematics and cell kinetics V. Series
 ISBN 0-444-80059-X LC: 78-16448
 O4NLM: W1 DE997VN v.2 1978
 OXNLM: [QH 573 B615 1978]
 IM Cit. No. 7804052 (rev. CIP.)

D

Developments in cardiovascular medicine : the proceedings of the special symposium, organized by the Royal College of Physicians, to celebrate the 400th anniversary of the birth of William Harvey / edited by C. J. Dickinson, and J. Marks. — Lancaster, Eng. : MTP Press, 1978. ix, 371 p. : ill.
 1. Cardiology - congresses 2. Cardiovascular System - congresses I. Dickinson, Christopher John, ed.
 II. Harvey, William, 1578-1657. III. Marks, John, 1924- ed. IV. Royal College of Physicians, London. V. Title: Symposium on developments in cardiovascular medicine
 ISBN 0-85200-008-1
 O4NLM: WG 100.3 D489 1978
 IM Cit. No. 7807055 (rev. CIP.)

E

Evoked electrical activity in the auditory nervous system / edited by Ralph F. Naunton, Cesar Fernandez. — New York : Academic Press, 1978. xi, 588 p. : ill. — (Academic Press rapid manuscript reproduction) Proceedings of a symposium held at the University of Chicago, Oct.-Nov. 1977.
 1. Auditory Cortex - congresses 2. Auditory Pathways - congresses 3. Brain Stem - congresses
 4. Cochlea - innervation - congresses 5. Electrodiagnosis - congresses 6. Evoked Potentials - congresses I. Fernandez, Cesar, 1910- ed.
 II. Naunton, Ralph F., ed. III. University of Chicago.
 IV. Title: Symposium on evoked electrical activity in the auditory nervous system
 ISBN 0-12-514960-3 LC: 78-19665
 O4NLM: WV 272 E93 1977
 IM Cit. No. 7807273 (rev. CIP.)

M

Mechanisms of localized bone loss : proceedings of the first scientific evaluation workshop on localized bone loss, November 14-15, 1977, Washington, D. C. / edited by John E. Horton, Thomas M. Tarpley, William F. Davis. — Washington : Information Retrieval Inc., [1978] xv, 454 p. : ill. A special supplement to Calcified tissue abstracts. Co-sponsored by Oral Biology & Medicine and General Medicine B Study Sections, Division of Research Grants, National Institutes of Health.
 1. Bone Resorption - physiopathology - congresses

I. Davis, William F., ed. II. Horton, John E., ed.
 III. Tarpley, Thomas M., ed. IV. National Institutes of Health. Division of Research Grants. General Medicine B Study Section. V. National Institutes of Health. Division of Research Grants. Oral Biology & Medicine Study Section. VI. Title: Calcified tissue abstracts VII. Title: Workshop on mechanisms of localized bone loss
 ISBN 0-917000-03-X LC: 77-94859
 O4NLM: WE 200 M486 1977
 IM Cit. No. 7902086

Mechanisms of vasodilatation / editors, Paul M. Vanhoutte and I. Leusen. — Basel ; New York : Karger, 1978. vii, 307 p. : ill. Proceedings of the symposium 'Mechanisms of Vasodilatation', held in Wilrijk, Belgium, July 10-12, 1977 as a satellite symposium to the 27th International Congress of Physiological Sciences.
 1. Vasodilation - congresses I. Leusen, I., ed.
 II. Vanhoutte, Paul M., ed. III. International Congress of Physiological Sciences, 27th, Paris, 1977.
 IV. Title: Symposium on Mechanisms of Vasodilatation
 ISBN 3-8055-2841-8
 O4NLM: WG 106 M486 1977
 IM Cit. No. 7803332 (rev. CIP.)

UPDATES

APPENDIX A

AVLINE - weekly

BACK66 - closed
BACK69 - closed
BACK72 - closed
BACK75 - Annually, the oldest year is taken from MEDLINE and moved to the latest BACKFILE. When a BACKFILE contains 3 years, it is closed and another is created.

BIOETHICS - 3 times a year

CANCERLIT - monthly

CANCERPROJ - quarterly

CATLINE - weekly

CHEMLINE - monthly

CLINPROT - quarterly

EPILEPSY - quarterly

HEALTH - monthly

HISTLINE - monthly

MEDLINE - monthly

MESH VOC - only changed once a year

NAME AUTH - twice a week

RTECS - quarterly

SDILINE - monthly (contains the latest month added to MEDLINE; changed every month)

SERLINE - monthly

TDB - quarterly

TOXLINE - monthly

TOXBACK - data retired to TOXBACK from TOXLINE as necessary

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 USAGE:

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				205/251-2495			
AL	BIRMINGHAM	205/942-4141	B		205/251-2495			
AR	LITTLE ROCK	501/372-5780	FX B					
AZ	MESA				602/257-1552			
AZ	PHOENIX	602/249-9261	B		602/257-1552			
AZ	PHOENIX	602/249-3862	B212A	120				
AZ	SCOTTSDALE				602/257-1552			
AZ	TEMPE				602/257-1552			
AZ	TUCSON	602/622-2752	FX B		602/791-7541			
CA	ALHAMBRA	213/572-0999	FX B		213/956-8235			
CA	ANAHEIM				714/558-6061			
CA	BURLINGAME	415/348-4992	FX B		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	408/257-0593	CCITT RESTRICTED FOR OVERSEAS USE ONLY					
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	INGLEWOOD				213/624-5230			
CA	LONG BEACH				213/549-5150			

NLM TECHNICAL BULLETIN - MAY 79

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
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	213/821-2257	FX B		213/822-9287		
CA	MOUNTAIN VIEW	415/961-7971	B		408/279-8450		
CA	MOUNTAIN VIEW	415/941-8450	B				
CA	NEWPORT BEACH	714/540-9560	B		714/558-6061		
CA	NEWPORT BEACH	714/540-0951	B212A	120			
CA	OAKLAND	415/465-7000	B		415/362-6200		
CA	OAKLAND	415/465-7471	B212A	120			
CA	OXNARD	805/487-0482	B		805/659-4660		
CA	PALO ALTO	415/856-9080	B		415/328-5950		
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	714/293-3590	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	415/391-8892	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	408/446-1470	B		408/279-8450		
CA	SAN MATEO				415/595-0360		
CA	SAN PEDRO	213/830-0775	FX B		213/549-5150		
CA	SANTA ANA				714/558-6061		
CA	SANTA BARBARA	805/687-6119	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		805/659-4660		
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	303/573-0177	B				
CO	DENVER	303/572-1107	V3405	120			
CO	DENVER	303/825-0635	B212A	120			
CO	LAKWOOD				303/623-0876		
CT	BRIDGEPORT	203/579-7820	FX B				
CT	DANBURY	203/743-1340	FX B				
CT	DARIEN	203/655-8931	B		203/357-1800		
CT	DARIEN	203/655-7951	212A	120			

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ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
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 HAVEN	203/789-0579	B		203/789-0211		
CT	STAMFORD				203/357-1800		
CT	WATERBURY	203/755-1153	FX B				
CT	WEST HARTFORD				203/522-0344		
DC	WASHINGTON	703/524-9215	B212A	120	202/347-3061	B212A	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		202/783-2050		
DC	WASHINGTON*	301/656-2726		30			
DC	WASHINGTON*	301/657-1896		30			
DC	WASHINGTON*	301/496-1994	FTS	15/30			
DC	WASHINGTON*	301/654-2540		15			
DC	WASHINGTON*	301/492-1840	B202	120			
DC	WASHINGTON*	301/652-4466	B212A	120			
DC	WASHINGTON*	301/656-4773	V3405	120			
DE	WILMINGTON	302/658-5261	FX B		302/737-8550		
FL	CLEARWATER				813/224-9920		
FL	FT LAUDERDALE	305/467-7550	FX B		305/764-8880		
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	ST PETERSBURG	813/536-7823	B		813/823-3223		
FL	TAMPA	813/885-5485	FX B		813/224-9920		
FL	W PALM BEACH	305/622-2871	FX B				
GA	ATLANTA	404/659-6670	B		404/577-8911		
GA	ATLANTA	404/581-0619	B212A	120	404/523-0834	B212A	120
GA	SAVANNAH	912/352-7259	FX B				
HI	HONOLULU	CONTACT HAWAII TELEPHONE COMPANY					
IA	CEDAR RAPIDS	319/396-0600	FX B				
IA	COUNCIL BLUFFS				402/341-7570		
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	312/263-3069	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	815/233-5585	B	30			
IL	OAK PARK				312/372-4901		
IL	PEORIA	309/673-2156	FX B				
IL	ROCKFORD	815/398-6090	B				
IL	SKOKIE				312/372-4901		

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ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
IN	EVANSVILLE	812/423-6885	FX	B			
IN	FT WAYNE	219/424-5162	FX	B			
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	219/233-4163		B	219/234-9071		
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	502/361-2645		B212A	120		
LA	BATON ROUGE	504/292-4050		B			
LA	BATON ROUGE	504/292-2650		B212A	120		
LA	LAFAYETTE	318/235-3501	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	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	BOSTON	617/482-3386		B212A	120		
MA	BROOKLINE				617/338-1400		
MA	CAMBRIDGE				617/338-1400		
MA	CHICOPEE				413/739-7221		
MA	HOLYOKE				413/739-7221		
MA	MEDFORD				617/338-1400		
MA	NEWTON				617/338-1400		
MA	QUINCY				617/338-1400		
MA	SOMERVILLE				617/338-1400		
MA	SPRINGFIELD	413/781-6830		B	413/739-7221		
MA	WALTHAM				617/338-1400		
MD	ANNAPOLIS	301/547-8100		B	301/962-5010		
MD	BALTIMORE	301/547-8100		B	301/962-5010		
MD	BETHESDA	703/841-0200		B	202/347-1400		
MD	COLLEGE PARK	703/841-0200		B	202/347-1400		
MD	DUNDALK	301/547-8100		B	301/962-5010		
MD	ROCKVILLE	703/841-0200		B	202/347-1400		
MD	SILVER SPRING	703/841-0200		B	202/347-1400		
MI	ANN ARBOR	313/665-2627		B	313/668-4630		
MI	DETROIT	313/963-3388		B	313/961-5115		
MI	DETROIT	313/725-9252		B212A	120		
MI	DETROIT	313/963-2353		V3405	120	313/961-0600	B212A 120
MI	GRAND RAPIDS	616/459-5069	FX	B			
MI	JACKSON	517/784-8522		B			
MI	KALAMAZOO	616/385-3150		B			
MI	PLYMOUTH	313/459-8900		B			
MI	SOUTHFIELD	313/569-8350		B			
MI	ST JOSEPH	616/429-2568	FX	B			
MN	MINNEAPOLIS	612/339-5200		B	612/339-0150		
MN	MINNEAPOLIS	612/339-2415		B212A	120		
MN	ST. PAUL				612/339-0150		

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ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
MO	FLORISSANT				314/231-8800		
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			
MS	JACKSON	601/944-0860	FX B				
NE	OMAHA	402/392-2970	B		402/341-7570		
NC	CHARLOTTE	704/372-9730	FX B		704/374-0371		
NC	DURHAM				919/549-8291		
NC	GREENSBORO	919/379-0034	FX B				
NC	RALEIGH/DURHAM	919/549-0441	B		919/549-8291		
NC	RES. TRI. PARK				919/549-8291		
NC	WINSTON-SALEM	919/725-1414	B		919/761-1957		
NC	WINSTON-SALEM	919/725-9252	B212A	120			
NH	MANCHESTER	603/669-0493	FX B				
NH	NASHUA	603/889-8618	FX B				
NJ	BAYONNE				201/623-6818		
NJ	ELIZABETH				201/623-6818		
NJ	ENGLEWOOD CLFS	201/894-8250	B				
NJ	JERSEY CITY				201/623-6818		
NJ	LYNHURST	201/460-0100	B				
NJ	LYNHURST	201/460-0180	B212A	120			
NJ	MOORESTOWN	609/235-3761	FX B				
NJ	MORRISTOWN				201/623-6818		
NJ	NEWARK	201/483-5937	B		201/623-6818		
NJ	NEWARK	201/483-4878	B212A	120	201/483-3737	B212A	120
NJ	PASSAIC				201/742-0858		
NJ	PATERSON				201/742-0858		
NJ	PISCATAWAY	201/981-1900	B				
NJ	PRINCETON	609/452-8970	FX B				
NJ	RAHWAY				201/623-6818		
NJ	TRENTON				609/392-6101		
NJ	UNION	201/483-5937	B		201/623-6818		
NJ	UNION CITY				201/623-6818		
NJ	WAYNE	201/785-4480	E				
NM	ALBUQUERQUE	505/842-6036	B212A	120			
NV	CARSON CITY	702/882-7810	B				
NV	CARSON CITY	702/883-6546	B212A	120			
NV	LAS VEGAS	702/386-1899	FX B		702/733-2158		
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	BUFFALO	716/847-0500	B212A	120			
NY	CORNING	607/962-5071	B				
NY	HEMPSTEAD	516/794-3390	FX B		516/292-0320		
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	212/683-0131	B				
NY	NEW YORK	212/350-9100	B		212/736-0099		
NY	NEW YORK	212/551-9322	B		212/454-3430		
NY	NEW YORK	212/532-8101	B212A	120	212/736-3521	B212A	120
NY	NEW YORK	212/689-8850	B202	120			

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ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
NY	NIAGARA FALLS	716/285-6691	FX	B			
NY	ROCHESTER	716/248-8000		B	716/454-3430		
NY	SCHENECTADY				518/445-9111		
NY	SYRACUSE	315/437-7111		B	315/472-5503		
NY	TROY				518/445-9111		
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	EUCLID				216/241-0940		
OH	KENT				216/762-9791		
OH	PARMA				216/241-0940		
OH	TOLEDO	419/243-3144	FX	B	419/243-8871		
OK	BETHANY				405/232-4501		
OK	NORMAN				405/232-4501		
OK	OKLAHOMA CITY	405/947-0561		B	405/232-4501		
OK	TULSA	918/663-2220		B	918/584-3215		
OK	TULSA	918/665-2750	B212A	120			
OR	PORTLAND	503/231-4050		B	503/243-2800		
OR	PORTLAND	503/231-4077	B212A	120			
PA	ALLENTOWN	215/433-6131	FX	B	215/435-8268		
PA	ERIE	814/453-7161		B			
PA	HARRISBURG	717/236-1190	FX	B			
PA	PENN HILLS				412/288-9950		
PA	PHILADELPHIA	215/561-6120		B	215/574-0620		
PA	PHILADELPHIA	215/567-1381	B212A	120	215/574-9462	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	PROVIDENCE	401/274-5783	FX	B	401/272-9290		
RI	WARWICK				401/272-9290		
SC	COLUMBIA	803/252-0840	FX	B			
SC	GREENVILLE	803/271-2418	FX	B			
TN	CHATTANOOGA	615/756-5856		B			
TN	KNOXVILLE	615/637-3118	FX	B			
TN	MEMPHIS	901/345-1111		B	901/525-2563		
TN	MEMPHIS	901/345-7710	B212A	120			
TN	NASHVILLE	615/244-5784	FX	B	615/244-8310		
TN	NASHVILLE	615/367-9382		B			
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	214/688-1115	B212A	120	214/748-6371	V3405	120
TX	EL PASO	915/544-9590		B			
TX	FORT WORTH	214/263-2341	FX	B	817/336-7791		
TX	HOUSTON	713/785-4411		B	713/224-3380		
TX	HOUSTON	713/977-4080		B			

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ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
TX	HOUSTON	713/780-7496	V3405	120			
TX	HOUSTON	713/977-7671	B212A	120	713/225-9359	B212A	120
TX	LACKLAND				512/224-1631		
TX	LONGVIEW	214/758-1756	FX	B			
TX	LUBBOCK	806/762-0136	FX	B			
TX	MIDLAND	915/683-5645		B			
TX	ODESSA	915/563-3571	FX	B			
TX	SAN ANTONIO	512/696-4002		B	512/224-1631		
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	RICHLAND	509/375-1975		B			
WA	RICHLAND	509/375-3367	B212A	120			
WA	SEATTLE	206/625-9937	B212A	120			
WA	SEATTLE	206/625-9900		B	206/624-9780		
WA	SPOKANE	509/838-8226	B212A	120			
WI	MADISON	608/221-4211		B	608/251-2269		
WI	MILWAUKEE	414/257-3482		B	414/271-2560		
WI	OSHKOSH	414/235-4594	FX	B			
WV	CHARLESTON	304/345-2908	FX	B			

****FOREIGN ACCESS****

TELECOMMUNICATIONS AVAILABLE FROM THE FOLLOWING FOREIGN LOCATIONS:

*****COUNTRY*****	*****CITY*****
AUSTRALIA	SYDNEY
AUSTRIA	VIENNA
BELGIUM	BRUSSELS
CANADA	
DENMARK	COPENHAVEN
ENGLAND	LONDON
FINLAND	HELSINKI
FRANCE	PARIS
GERMANY	FRANKFURT
THE NETHERLANDS	THE HAGUE (HOLLAND)
HONG KONG	WANCHAI
ISRAEL	JERUSALEM
ITALY	ROME
MEXICAN REPUBLIC	MEXICO CITY
NORWAY	OSLO
PHILIPPINES	MANILA & MAKATI
PUERTO RICO	SAN JUAN
SINGAPORE	SINGAPORE
SPAIN	MADRID
SWEDEN	FARSTA
SWITZERLAND	GENEVA

L.S. NO.	TITLE
75-29	ABUSE Child (Updates LS 73-28)
75-23	ACCIDENTS Prevention of industrial
75- 2	ACUPUNCTURE (Updates LS 74-5)
76-38	ADDICTION Neonatal drug
79-6	ADOLESCENCE Suicide or depression in childhood and
75- 8	ADOLESCENT Hypertension in the child and
78- 8	ADOLESCENT pregnancy
76-19	ADOLESCENTS Health services for
78-17	ADVERSE effects of diacepan on the fetus and neonate
78- 9	ADVERSE effects of oral contraceptives (Updates LS 74-20)
76-11	ADVERSE effects of oral contraceptives as related to blood coagulation
78-29	ADVERSE effects of prenatal exposure to diethylstilbestrol (DES)
75-25	ADVERSE effects of vinyl chloride
78-13	ALCOHOL use and effects on the fetus and neonate, including the fetal alcohol syndrome (FAS) Maternal
78-25	ALLIED health education Audiovisual aids, programmed instruction, and computer assisted instruction in (Updates LS 74- 8)
78-28	ALLIED health professions Malpractice in hospitals, dentistry, nursing, pharmacy, veterinary medicine, and
76-32	AMBULANCE service (Updates LS 72-26, 72-27, 76-28)
76- 2	AMNIOCENTESIS
79-4	ANALGESIC Sulindac: an anti-inflammatory
SPEC	ANEMIA Sickle cell
79-4	ANTI-INFLAMMATORY analgesic Sulindac: an
76-22	ANTIGEN and cancer Carcinoembryonic
79-3	ARTHRITIS Hip or knee replacement in
77-14	ASBESTOS toxicity (Includes and updates LS 73-31)
77-17	ASPECTS of cancer Psychological (Updates LS 73-13)
78- 4	ASPECTS of kidney dialysis Psychological and socioeconomic
76-20	ASPIRIN and blood coagulation
76-13	ATTITUDE towards death
78-25	AUDIOVISUAL aids, programmed instruction, and computer assisted instruction in allied health education (Updates LS 74- 8)
78-19	AUDIOVISUAL aids in dental education (Updates LS 74- 9)
78-10	AUDIOVISUAL aids in medical education (Updates LS 74- 6)
78-15	AUDIOVISUAL aids in nursing education (Updates LS 74- 7)
75-20	AUDITORY evoked response (ERA) in the infant and preschool child
75-28	AXIAL tomography) EMI scanner (Computerized
78-20	BACK pain and sciatica Chymopapain in the treatment of
75-22	BCG and cancer
77- 4	BISMUTH toxicology
76-11	BLOOD coagulation Adverse effects of oral contraceptives as related to
76-20	BLOOD coagulation Aspirin and
77- 7	BONE marrow transplantation in leukemia and solid tumors
75-17	BREAST cancer: epidemiology, etiology, genetics, immunology and pathology
75- 5	BREAST cancer Psychological aspects of
75-18	BREAST cancer: therapy
77-11	BREAST Effects of silicone on the
78-24	CADMIUM and the environment
75-22	CANCER BCG and
76-22	CANCER Carcinoembryonic antigen and
76- 1	CANCER detection and therapy Government/non-government funding of
75-17	CANCER: epidemiology, etiology, genetics, immunology and pathology Breast
77- 8	CANCER Platinum complexes in the treatment of
77-17	CANCER Psychological aspects of (Updates LS 73-13)
75- 5	CANCER Psychological aspects of breast
76-36	CANCER The role of interferon and interferon inducers in
75-18	CANCER: therapy Breast
76-12	CANCER Trauma and
76-22	CARCINOEMBRYONIC antigen and cancer
76-18	CARDIAC death Sudden
78- 3	CARDIOVASCULAR disease Exercise therapy and physical fitness in the rehabilitation of patients with
75-29	CHILD abuse (updates LS 73-28)
75- 8	CHILD and adolescent Hypertension in the
75-20	CHILD Auditory evoked response (ERA) in the infant and preschool
79-6	CHILDHOOD and adolescence Suicide or depression in
76- 7	CHINA Medicine and health in
78-20	CHYMOPAPAIN in the treatment of back pain and sciatica
75- 6	CLINICAL control, reliability and standards in clinical laboratories (Updates LS 71-25)

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- 76-11 COAGULATION Adverse effects of oral contraceptives as related to blood
76-20 COAGULATION Aspirin and blood
77- 8 COMPLEXES in the treatment of cancer Platinum
75-12 COMPLIANCE in therapy Patient
78-25 COMPUTER assisted instruction in allied health education
Audiovisual aids, programmed instruction, and (Updates LS 74- 8)
78-18 COMPUTER assisted and programmed instruction in dental
education (Updates LS 74- 9)
78-11 COMPUTER assisted and programmed instruction in medical education
(Updates LS 74- 6)
76-16 COMPUTER assisted and programmed instruction in nursing
education (Updates LS 74- 7)
75-28 (COMPUTERIZED axial tomography) EMI Scanner
76- 5 CONFIDENTIALITY of medical records
76-35 CONSENT Informed (Updates LS 74-16)
75-24 CONTRACEPTION in males
78- 9 CONTRACEPTIVES Adverse effects of oral (Updates LS 74-20)
76-10 COUNSELING Genetic (Updates LS 74-3)
76-13 DEATH Attitude towards
76-17 DEATH in infants Sudden unexpected
76-18 DEATH Sudden cardiac
76- 8 DENTAL care for the handicapped
78-19 DENTAL education Audiovisual aids in (Updates LS 74- 9)
78-18 DENTAL education Computer assisted and programmed
instruction in (Updates LS 74- 9)
75-11 DENTISTRY Hypnosis in
78-28 DENTISTRY, nursing, pharmacy, veterinary medicine, and allied
health professions Malpractice in hospitals,
79-6 DEPRESSION in childhood and adolescence Suicide or
76-30 DEPRESSION Post-partum
78-29 (DES) Adverse effects of prenatal exposure to diethylstilbestrol
79-7 DEVELOPING countries Population control in
75-21 DEVICES -- Safety, regulation and legislation (with emphasis
on devices directly used by patients) Medical
78- 7 DIABETIC retinopathy Photocoagulation in
75-16 DIAGNOSIS and treatment of myocardial infarction, 1974-1975
78- 4 DIALYSIS Psychological and socioeconomic aspects of kidney
78-17 DIAZEPAM on the fetus and neonate Adverse effects of
75-15 DIETARY fiber
77- 3 DIETARY fiber (Updates LS 75-15)
75- 3 DIETHYLSTILBESTROL and gynecologic neoplasms
78-29 DIETHYLSTILBESTROL (DES) Adverse effects of prenatal exposure to
78- 3 DISEASE Exercise therapy and physical fitness in the
rehabilitation of patients with cardiovascular
76-25 DNA Recombinant
77-15 DNA Recombinant (Updates LS 76-25)
78- 6 DNA Recombinant (Updates LS 77-15)
76-38 DRUG addiction Neonatal
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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

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DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	7,237	THROUGH 1979	23 JUN 79	
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	7,129	JAN 73-DEC 78	24 APR 79	7904(EM)
*CANCERLIT	170,849	JAN 63-JUN 79	18 JUN 79	7906(ED)
*CANCERPROJ	16,771	1976-1979	30 APR 79	7903(ED)
*CATLINE	187,857	1965-1979	23 JUN 79	
CHEMLINE	389,278		25 JUNE 79	
*CLINPROT	1,520		08 MAY 79	7904(ED)
*EPILEPSY	24,177	1945-PRESENT	20 JAN 79	
*HEALTH	117,095	JAN 75-JUL 79	11 JUN 79	7907(EM)
*HISTLINE	36,864		18 JUN 79	
MEDLINE	512,444	JAN 77-JUL 79	04 JUN 79	7907(IM)
MESH VOC	14,819	1979	11 DEC 78	
*NAME AUTH	103,807	1979	31 MAY 79	
*RTECS	35,673	1978	20 MAR 79	
SDILINE	20,279	JUL 79	04 JUN 79	
*SERLINE	32,546	1979	25 MAY 79	
*TDB	2,507		21 MAY 79	
*TOXLINE	593,609		25 JUNE 79	7906(ST)
CBAC	307,826	1974-VOL 29(11&12)		
TOXBIB	118,281	1974-JULY 79		
IPA	33,901	1974-APR 79		
HEEP	70,219	1974-MAY 79		
PESTAB	16,063	1974-JUNE 79		
EMIC	24,290	1960-JUNE 1979		
ETIC	13,901	1950-MAR 79		
RPROJ	7,290	APRIL, AUGUST 79		
*TOXBACK	379,299		26 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 NLN 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 NLN AND SUNY.
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLN.

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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.

CANCER FILES - During June, July, and August, connect time for CANCERLIT, FREE
CANCERPROJ, and CLINPROT is free. Page charges remain the same. This applies to U.S. centers only.

PHONES - The following are all TELENET number additions and changes. Unless otherwise noted, they are 30 cps numbers.

ADDITIONS:

CA	Los Altos	415/856-9930		
CA	Oakland	415/956-5787	B212A	120 cps
CA	Oakland	415/956-5777	V3405	120 cps
CA	Woodside	415/856-9930		
CO	Aurora	303/629-1821	B212A	120 cps
CO	Boulder	303/629-1821	B212A	120 cps
CO	Denver	303/629-1821	B212A	120 cps
CO	Lakewood	303/629-1821	B212A	120 cps
FL	Clearwater	813/223-1088	B212A	120 cps
FL	Tampa	813/223-1088	B212A	120 cps
IA	Council Bluffs	402/341-7733	B212A	120 cps
IL	Arlington Heights	312/263-3069	B212A	120 cps
IL	Arlington Heights	312/726-1957	V3405	120 cps
IL	Champaign	217/384-0011		
IL	Urbana	217/384-0011		
IN	Mishawka	219/234-9071		
IN	Osceola	219/234-9071		
KS	Kansas City	816/421-0375	B212A	120 cps
LA	New Orleans	504/524-4094	B212A	120 cps
MA	Boston	617/542-0754	B212A	120 cps
MN	Minneapolis	612/338-3782	B212A	120 cps
MN	St. Paul	612/338-3782	B212A	120 cps
MO	Kansas City	816/421-0375	B212A	120 cps
NE	Omaha	402/341-7733	B212A	120 cps
NC	Davidson	919/549-8311		
OH	Youngstown	216/743-2296		
OK	Tulsa	918/584-3247	B212A	120 cps
PA	Penn Hills	412/288-9974	B212A	120 cps
PA	Pittsburgh	412/288-9974	B212A	120 cps
PA	Upper Darby	215/574-9462	B212A	120 cps

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TX Dallas	214/651-0192	B212A	120 cps
WA Bellevue	206/623-8937	B212A	120 cps
WA Seattle	206/623-8937	B212A	120 cps
*MO St. Louis	314/241-8150	V3467	120 cps
*OH Cleveland	216/696-4225	V3467	120 cps

*Terminal users with either Bell 212A modems or VADIC 3400 modems may use these TELENET "super modem" numbers. Eventually, all of TELENET's 120 cps numbers will be converted to VADIC 3467s.

CHANGES:	FROM:	TO:
CA Palo Alto	415/328-5950	415/856-9930
CA Mountain View	408/279-8450	415/856-9930
FL Miami	305/374-6400	305/371-4801
FL Orlando	305/834-3016	305/849-9600
LA New Orleans	504/568-1840	504/524-0783
MI Ann Arbor	313/668-4630	313/996-0351
MI Detroit	313/961-5115	313/964-5538
MI Detroit (120 cps)	313/961-0600	B212A 313/964-2988 B212A
NC Durham	919/549-8291	919/549-8311
NC Raleigh/Durham	919/549-8291	919/549-8311
NC Research Tri. Park	919/549-8291	919/549-8311
OK Bethany	405/232-4501	405/232-4550
OK Norman	405/232-4501	405/232-4550
OK Oklahoma City	405/232-4501	405/232-4550
TX Lackland	512/224-1631	512/227-7784
TX San Antonio	512/224-1631	512/227-7784
WA Bellevue	206/624-9780	206/447-9012
WA Seattle	206/624-9780	206/447-9012
WI Madison	608/251-2269	608/251-5904

LIMITS ON
COMMANDS FOR
CERTAIN FILES

- Certain data bases including CHEMLINE, HISTLINE, CLINPROT, CANCERPROJ, SERLINE, TOXLINE, RTECS, and TDB are not presently connected to the MeSH VOCABULARY data base. Therefore, if certain commands such as MESHNO (term) or MESHTERM (MeSH number) or TREE (term) are input while in these files, the system will not be able to perform the task instructed by these commands and will instead display the following message: (term) IS NOT A MESH MAIN HEADING.

CHEMLINE
(Manual 13)

- A revision of the CHEMLINE section of the NLM Online Services Reference Manual (Part 13) is attached as Appendix A. This revision reflects changes due to the recent regeneration of the file. Please replace your present Part 13 CHEMLINE section in your manual with this revision.

INDEX - Appendix B is the Index to the Technical Bulletin through December 1978. An Index through June 1979 will be included with next month's issue of the Bulletin.

CANCERLINE: FIVE YEARS LATER
Donna J. Wicker, National Cancer Institute

In July 1974, the first cancer file was mounted on the National Library of Medicine computer. CCALINE, as it was called, contained approximately 16,000 journal article abstracts that had appeared in Carcinogenesis Abstracts and Cancer Therapy Abstracts from 1963 through 1973.

Because CCALINE was created from automatic typewriter tapes used to store back issues of Carcinogenesis Abstracts and Cancer Therapy Abstracts, the online data base had many problems. Citations were sometimes incomplete and abstracts often had typographical errors or misspellings. Because the data base was created and updated from secondary journal material, the references were not the most recent and the cancer articles included were limited in number and in scope.

The data base has changed considerably since 1974. The name was changed from CCALINE to CANCERLINE and then to CANCERLIT, and the number of abstracts of published literature has increased to 170,000.

A massive "clean-up" campaign was launched to identify, remove and/or correct incomplete citations, typographical errors and duplicate records that were input when the data base was created. An annual clean-up effort is now a recurring project in the continued maintenance and optimization of the CANCERLIT file.

In 1976, the currency and coverage problems were tackled. Our input processing contractor began to screen the primary literature instead of processing material from Carcinogenesis Abstracts and Cancer Therapy Abstracts. Journal coverage was increased to 3000-plus journals and cancer coverage was enlarged to include all cancer articles except single case histories. To expand the subject coverage and to improve the comprehensiveness of CANCERLIT, we also began to process a significant number of non-serial documents such as meeting abstracts, government and symposia reports, theses, etc.

CANCERLIT, which was originally updated irregularly, is now updated once a month. In 1978, 41,274 records were added; 71% of the records were journal article abstracts, the remaining 29% were abstracts of non-serial documents.

In an effort to optimize the value and use of CANCERLIT, several procedures have been implemented.

- ✓ - Because SENSEARCH is a valuable and often necessary technique to use in a free-text data base, 98% of all periods following abbreviations are removed before records are added to the data base.
- To maximize currency, our input contractor must now complete processing of each document within 35 days of the appearance of that document in the primary publication.
- We also have agreements with 10 major cancer journals to receive page proofs of the journal articles that are to appear in each issue. Abstracts of these articles appear very early in CANCERLIT, often at about the same time the journal issue is arriving at libraries.

Several additional features and services are now in the planning stages for CANCERLIT.

Data Element Additions

- 1) Procedures are now being finalized for indexing CANCERLIT records with the MeSH VOCABULARY. When this is implemented, all new records will carry MeSH terms and it will be possible to retrieve these records using any of the MeSH capabilities (EXPLODE, MH/SH combinations, central concept, etc.) which are available in MEDLINE. The target date for implementation is November.
- 2) Also beginning sometime this fall, a TRANSLITERATED/VERNACULAR TITLE field will be added to all foreign language records.

The addition of this data element will facilitate the identification of duplicate foreign language articles when a search is run against MEDLINE and CANCERLIT.

- 3) By January, we expect to complete the collection of CAS REGISTRY NUMBERS for chemical compounds referenced in CANCERLIT. CAS numbers will then be added to all records in the data base which were published in 1976 or later.

Special Services

- 1) We have been working with audiovisual people for several months to prepare videotape presentations in the following areas:
 - a) The CANCERLINE initial training lecture
 - b) The format and use of the CANCERPROJ controlled vocabulary
 - c) Cancer terminology

When these videotapes are completed, they will be loaned, free of charge, to users of the cancer files.

- 2) Several different posters are being developed which call attention to one or more of the CANCERLINE files. These posters will be mailed to centers, upon request, to assist in the promotion of the cancer files.
- 3) A printed publication which lists the journal titles reviewed for CANCERLIT is to be published twice each year, beginning this July.
- 4) A "Non-Serial Library" is currently being considered as another service to CANCERLIT users.

The reports, monographs and other non-serials referenced in CANCERLIT are sometimes difficult to locate. We are exploring the potential requirements and problems in setting up an archival library of these publications, which would provide photocopies upon request. Any comments about this potential service would be appreciated.

When each of these services becomes available an announcement will be made in the NLM Technical Bulletin.

CANCERPROJ and CLINPROT

The CANCERPROJ data base was mounted on the NLM computer in October of 1975 and CLINPROT was made available to users in April of 1977. Both files are small and both contain non-bibliographic information, a relatively new source of information in major online systems.

When one considers the fact that published information usually reports research that was studied two or three years previously, it is obvious that bibliographic files may not reflect the most recent areas of scientific interest.

The CANCERPROJ file contains 18,000 descriptions of current cancer research, cancer areas that are currently being funded and studied. Similarly, CLINPROT contains 1500 summaries of therapeutic drugs, agents and modalities which are now being investigated in the clinical environment. These are potent new resources that are all too often overlooked by health professionals accustomed to relying on published literature. These files, as well as the CANCERLIT file, should be searched when the latest research information is required.

Several aspects of file structure and processing are being reviewed and changes may be made to these data bases in the near future. In the meantime, we encourage you to use CANCERPROJ and CLINPROT and to provide us with any comments or criticism which will help us improve their use and value.

ANNOUNCEMENT: In order to increase knowledge and use of the CANCERLINE data bases, connect charges for all three (CANCERLIT, CANCERPROJ and CLINPROT) are being waived during June, July and August. Page charges will remain the same.

Note: The following article, originally published in the April 1979 Technical Bulletin (page 21), is reprinted here to include the last seven lines inadvertently omitted from that issue. We regret any inconvenience caused by this error.

USE OF NON-PRINT SUBJECT HEADINGS IN CATLINE
Sally Sinn, Technical Services Division, NLM

Minor Descriptors

Since the introduction of minor descriptors into the MeSH vocabulary in 1975, they have not been used in cataloging because of system problems in the correct mapping of subheadings from the minor descriptor to its major descriptor. Recognizing the need, however, for these more specific terms for online searching and for subject indexing in specialized libraries, the Cataloging Section will begin applying minor descriptors from MeSH in 1979 cataloging.

These minor descriptors, which are "see under" references to major descriptors in MeSH, will be used as non-print subject headings without any subheadings. The major descriptors to which the minors refer will appear as print headings in Current Catalog publications with all appropriate subheadings. The minor descriptors will not appear in subject tracings in the publications nor will they appear in any MARC-formatted records derived from NLM cataloging. They will, however, be searchable in CATLINE and appear in the Main Heading field (MH) in CATLINE printouts.

In CATLINE citations, the presence of an asterisk following the subject heading is the indicator for a major descriptor which is a print heading. Minor descriptors, when used, will not contain any asterisks or subheadings. In the example below, Self-Care Units is a minor descriptor which has a "see under" reference to the major descriptor Hospital Units.

e.g. MH Self-Care Units
 MH Hospital Units/*/handbooks

Libraries wishing to use minor descriptors in their subject catalogs should note that the appropriate subheadings for the minor are the same as those used on the major descriptor to which it refers. More specific details about major and minor descriptors may be found in Medical Subject Headings - Annotated Alphabetic List, 1979, p. v-vii.

Geographic Headings

It has been NLM practice since 1975 to add a non-print geographic subject heading from the Z category terms in MeSH when any of the printed subject headings contained a geographic subheading for the U.S. or any U.S. state or territory. For example, when a subject heading such as Hospitals, Special - Massachusetts is used, the heading Massachusetts is added as a non-print subject heading.

This practice allows the collection of all concepts subdivided geographically by U.S. or any state or territory in an online search through the EXPLODE UNITED STATES command. For 1979 cataloging, we are expanding the application of these non-print geographic headings for any country, state, or province when the subject headings have been subdivided by that geographic entity. These headings from the Z category will not print in Current Catalog or appear in any MARC-formatted record derived from NLN cataloging. They are used only to facilitate online retrieval by geographic area.

Plans are underway to apply this practice retroactively to all records in CATLINE where it is possible to link the geographic subheading to a MeSH Z category term.

NEW SERIALS ANNOUNCEMENT - MAY 1979
Serial Records, Technical Services Division, NLN

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

ACTA MEDICA PORTUGUESA
1,1979--
LISBOA PORTUGAL
PRACA DR. MUNO PINHEIRO TORRES 1, 7 OTO.,
LISBOA 4, PORTUGAL
ON ORDER

ACTUALITE SANTE
NI, MARS 1978--
GROUPE D ETUDE POUR UNE REFORME DE LA
REFORME DE LA MEDECINE
BRUXELLES BELGIUM
RUE DU GOUVERNEMENT PROVISOIRE 29, 1000
BRUXELLES, BELGIUM
ON ORDER

ADVANCES IN PARAPSYCHOLOGICAL RESEARCH
1977--
PLENUM PRESS
NEW YORK UNITED STATES
IN PROCESS

AGRIPPA PSYKIATRISKE TEKSTER
1,1978--
KOBENHAVEN DENMARK
IN PROCESS

AMERICAN JOURNAL OF OTOLOGY
1,1979--
STRATTON INTERCONTINENTAL MEDICAL BOOK CO.
NEW YORK UNITED STATES
ON ORDER-UCLA

AMERICAN JOURNAL OF PEDIATRIC HEMATOLOGY
AND ONCOLOGY
SPRING, 1979--
HASSON PUBLISHING USA
NEW YORK UNITED STATES
14 E 60TH ST. NEW YORK, N.Y. 10022
ON ORDER

AMERICAN JOURNAL OF VIDEOLOGY
1N2,1978--
WORLD JOURNAL PRESS
CONTINUES AMERICAN JOURNAL OF VIDEOTHERAPY,
WHICH HAS ISSUED IN WORLD JOURNAL OF
PSYCHOSYNTHESIS
EAST LANSING MI UNITED STATES
ON ORDER-UCLA

ANALYTICAL AND QUANTITATIVE CYTOLOGY
1,1979--
INTERNATIONAL ACADEMY OF CYTOLOGY
ST. LOUIS MO UNITED STATES
ON ORDER - UCLA

NLM TECHNICAL BULLETIN - JUN 79

- ANNUAL CONFERENCE OF THE AMERICAN ART THERAPY ASSOCIATION
7TH, 1976--
AMERICAN ART THERAPY ASSOCIATION
PITTSBURGH PA UNITED STATES
IN PROCESS
- ANNUAL REPORT - ALCOHOLISM AND DRUG ADDICTION RESEARCH FOUNDATION. STATISTICAL SUPPLEMENT
1ST, 1977/78--
ALCOHOLISM AND DRUG ADDICTION RESEARCH FOUNDATION
ONTARIO CANADA
ALCOHOLISM AND DRUG ADDICTION RESEARCH FOUNDATION, STATISTICAL INFORMATION UNIT, ONTARIO, CANADA
IN PROCESS
- ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE
28, 1978--
ANNUAL REVIEWS INC.
CONTINUES ANNUAL REVIEW OF NUCLEAR SCIENCE
PALO ALTO CA UNITED STATES
IN PROCESS
- ANNUAL REVIEW OF PUBLIC HEALTH
1, 1980--
ANNUAL REVIEWS
PALO ALTO UNITED STATES
ON ORDER
- ANNUAL REVIEWS OF STUDIES OF DEVIANCE
1, 1978?--
SAGE PUBLICATIONS
BEVERLY HILLS CA UNITED STATES
ON ORDER
- ANNUAL STATISTICS OF MEDICAL SCHOOL LIBRARIES IN THE UNITED STATES AND CANADA
1977/78--
HOUSTON ACADEMY OF MEDICINE - TEXAS MEDICAL CENTER LIBRARY
SUPERSEDES MEDICAL LIBRARY STATISTICS.
HOUSTON UNITED STATES
HOUSTON ACADEMY OF MEDICINE-TEXAS MEDICAL CENTER LIBRARY, 1133 M.D. ANDERSON BLVD, HOUSTON, TX. 77030
IN PROCESS
- ANNUAL VOLUME OF PEDIATRICS CLUB BY CONTRIBUTING MEMBERS
1, 1979--
BURGESS-BECKWITH
MINNEAPOLIS MN UNITED STATES
ON ORDER - UCLA
- APHASIA-APRAXIA-AGNOSIA
1, 1979--
BIOLINGUISTICS CLINICAL EDUCATION CENTER
DES PLAINES IL UNITED STATES
ON ORDER - UCLA
- AUSTRALIAN HEALTH REVIEW
1, 1978--
AUSTRALIAN HOSPITAL ASSOCIATION
SYDNEY AUSTRALIA
AUSTRALIAN HOSPITAL ASSOCIATION, SYDNEY, AUSTRALIA
ON ORDER
- BEHAVIORAL ASSESSMENT
1, 1979--
PERGAMON
NEW YORK UNITED STATES
ON ORDER
- IM BEHAVIORAL AND NEURAL BIOLOGY
25, 1979--
ACADEMIC PRESS
CONTINUES BEHAVIORAL BIOLOGY.
NEW YORK UNITED STATES
MI BE129N
- BIOLOGICAL ABSTRACTS/RRM
17, 1980--
BIOSCIENCES INFORMATION SERVICE
CONTINUES BIORESEARCH INDEX.
PHILADELPHIA UNITED STATES
ON ORDER
- BIOPHARMACEUTICS AND DRUG DISPOSITION
1, 1979--
JOHN WILEY
NEW YORK UNITED STATES
ON ORDER
- BRAIN MIND BULLETIN
1, SPRING-WINTER, 1977--
INTERFACE PRESS
LOS ANGELES
NO PROSPECT 770524
- BRAIN RESEARCH REVIEWS
1, 1979--
ELSEVIER
AMSTERDAM NETHERLANDS
ON ORDER - UCLA
- CANCER GENETICS AND CYTOGENETICS
1, 1979--
ELSEVIER
AMSTERDAM NETHERLANDS
ON ORDER
- CLINICAL NEUROPSYCHOLOGY
1, 1979--
OWENS CLINIC
STOUGHTON WI UNITED STATES
OWENS CLINIC, STOUGHTON, WI
ON ORDER - UCLA
- COLLECTION DE BIOLOGIE MOLECULAIRE
1, 1977--
MASSON
PARIS FRANCE
IN PROCESS
- COMUNICACION PSIQUIATRICA
1, 1976/77--
UNIVERSIDAD DE ZARAGOZA. FACULTAD DE MEDICINA
ZARAGOZA SPAIN
IN PROCESS
- CRC HANDBOOK SERIES IN NUTRITION AND FOOD. SECTION F: FOOD COMPOSITION
1, 1978--
CRC PRESS
WEST PALM BEACH UNITED STATES
ON ORDER

NLM TECHNICAL BULLETIN - JUN 79

CURRENT PRACTICE IN GERONTOLOGICAL NURSING

1,1979--
C.V. MOSBY
ST. LOUIS MO
IN PROCESS
UNITED STATES

CURRENT TOPICS IN VETERINARY MEDICINE

1,1978--
NIJHOFF
THE HAGUE
ON ORDER
NETHERLANDS

DENTAL - EXTRA

1,1978--
INKOM VERLAGSGESELLSCHAFT
WIESBADEN
ON ORDER
GERMANY, WEST

DEVELOPMENTS IN FOOD CARBOHYDRATE

1,1977--
APPLIED SCIENCE PUBLISHERS
LONDON
ON ORDER - UCLA
ENGLAND

DEVELOPMENTS IN PSYCHIATRY

1,1979--
ELSEVIER/NORTH-HOLLAND BIOMEDICAL PRESS
AMSTERDAM
WI DE998P
NETHERLANDS

EFFECTS OF PSYCHOTHERAPY

1,SUMMER 1979--
EDEN PRESS
MONTREAL
EDEN MEDICAL RESEARCH INC. BOX 51, ST.
ALBANS, VERMONT 05478
ON ORDER
CANADA

EPIDEMIOLOGY AND COMMUNITY HEALTH

JAN 1979--
INSTITUTE OF HEALTH SERVICE ADMINISTRATORS
CONTINUES JOURNAL OF EPIDEMIOLOGY AND
COMMUNITY HEALTH.
LONDON
THE PUBLISHER, EPIDEMIOLOGY AND COMMUNITY
HEALTH BMA HOUSE, TAVISTOCK SQUARE, LONDON
WC1H 9JR
ON ORDER
ENGLAND

EXPERIMENTAL LUNG RESEARCH

1,1979--
ELSEVIER
AMSTERDAM
ON ORDER
NETHERLANDS

FOKUS PA SYGEPLEJEN

79,1978--
MUNKSGAARD
VOLS. 1-78 NOT PUBLISHED.
KOBENHAVN
WI FO125E
DENMARK

GENETIC ENGINEERING: PRINCIPLES AND METHODS

1,1979--
PLENUM
NEW YORK
ON ORDER-UCL
UNITED STATES

GERIATRIC AND RESIDENTIAL CARE NEWSMONTHLY

1,1979--
HRS GERIATRIC PUBLISHING CORP
FRENCHTOWN NJ
ON ORDER
UNITED STATES

HEALTH EDUCATION REPORTS

1,FEB 9 1979--
PLUS PUBLICATIONS
RUNNING TITLE: HE REPORTS.
WASHINGTON
WI HE325H
UNITED STATES

HEALTH POLICY AND EDUCATION

1,1979--
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NEW YORK
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IMMUNOLOGY LETTERS

1,1979--
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INDEX OF FEDERALLY SUPPORTED PROGRAMS IN
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DISORDERS

1977--
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INSTITUTES OF HEALTH
BETHESDA MD
IN PROCESS
UNITED STATES

ISSUE PAPER - NATIONAL HEALTH CARE
MANAGEMENT CENTER

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UNIVERSITY OF PENNSYLVANIA
PHILADELPHIA
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JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS

1,1979--
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AMSTERDAM
ON ORDER
NETHERLANDS

JOURNAL OF APPLIED DEVELOPMENTAL PSYCHOLOGY

1,1979--
ABLEX
NORWOOD NJ
ON ORDER
UNITED STATES

JOURNAL OF ARID ENVIRONMENTS

1,1978--
ACADEMIC PRESS
NEW YORK
ON ORDER
UNITED STATES

JOURNAL OF BEHAVIORAL ASSESSMENT

1,1979--
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NEW YORK
ON ORDER
UNITED STATES

JOURNAL OF EXPERIENTIAL LEARNING AND
SIMULATION

1,1979--
ELSEVIER
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JOURNAL OF INFECTION

1,1979--
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JOURNAL - OKLAHOMA DENTAL ASSOCIATION
69, SUMMER 1978--
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CONTINUES YOUR OKLAHOMA DENTAL ASSOCIATION
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TITLE: ODA JOURNAL.
OKLAHOMA CITY UNITED STATES
MI J0975

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SPORTS MEDICINE SECTIONS OF THE AMERICAN
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BALTIMORE MD UNITED STATES
ON ORDER

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1, 1979--
EXCERPTA MEDICA
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MANPOWER COMMENTS, SCIENTIFIC, ENGINEERING,
TECHNICAL
16, 1979--
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CONTINUES SCIENTIFIC, ENGINEERING,
TECHNICAL MANPOWER COMMENTS.
WASHINGTON UNITED STATES
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MASSACHUSETTS AVE. N.W., WASHINGTON, D.C.
20036
ON ORDER

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1, 1979--
J R PROUS
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1, 1978--
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ROCHESTER MN UNITED STATES
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1, 1979--
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CHICAGO UNITED STATES
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4, 1979--
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PHARMACOLOGY AND THERAPEUTICS, PART B;
GENERAL AND SYSTEMATIC PHARMACOLOGY; AND
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CLINICAL PHARMACOLOGY AND THERAPEUTICS.
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PHARMALERT
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Z 7141 P578

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1, 1980--
H B SAUNDERS
LONDON ENGLAND
ON ORDER

PRIMARY CARE PHYSICIANS GUIDE TO PRACTICAL
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2N3, MAY/JUN 1978--
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MI PR522AJ

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IN PROCESS

PROTEINS IN THE BRAIN

1980--
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 LOS ANGELES UNITED STATES
 BRI PUB OFFICE, UCLA CENTER FOR HEALTH
 SCIENCES, LOS ANGELES, CA. 90024
 ON ORDER

PSYCHIATRY RESEARCH

1,1979--
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 AMSTERDAM NETHERLANDS
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RECENT ADVANCES IN STEROID BIOCHEMISTRY

1,1977--
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SUMMER 1977--
 U.S. DEPT. OF HEALTH, EDUCATION, AND WELFARE,
 PUBLIC HEALTH SERVICE, NATIONAL INSTITUTES
 OF HEALTH
 CONTINUES NUCLEIC ACID RECOMBINANT
 SCIENTIFIC MEMORANDA. PREPARED BY THE
 OFFICE OF RECOMBINANT DNA ACTIVITIES,
 NATIONAL INSTITUTE OF GENERAL MEDICAL
 SCIENCES.
 BETHESDA MD UNITED STATES
 MI R1109I

RESEARCH ON AGING

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 SAGE PUBLICATIONS
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 HILLS, CA. 90210
 ON ORDER

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 VARIOUS MEDICO-SCIENTIFIC AND
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 KENT ENGLAND
 W3 RE457

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 SALISBURY? RHODESIA
 EDITORIAL COMM, P.O. BOX A2, AVONDALE,
 SALISBURY, RHODESIA
 MI RH531

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1,AUG 1978--
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 MI SP295G

STUDI E RICERCHE DI ECOLOGIA MEDICA

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 PATRON EDITORE
 BOLOGNA ITALY
 IN PROCESS

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1,1979--
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 NEW YORK UNITED STATES
 ON ORDER

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 RIO DE JANEIRO BRAZIL
 ON ORDER

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1,1978--
 MSS INFORMATION CORPORATION
 FOUNDATION OF THANATOLOGY/MSS INFORMATION
 CORPORATIONS CONTINUING SERIES ON
 THANATOLOGY
 NEW YORK UNITED STATES
 MSS INFORMATION CORPORATION ARNO PRESS 3
 PARK AVE, NEW YORK, N.Y. 10016
 MI TH118M

TRENDS IN PHARMACOLOGICAL SCIENCES

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 NEW YORK UNITED STATES
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VD PERSPECTIVES

1,JUL 1977--
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 AUSTRALIA
 PERTH, AUSTRALIA AUSTRALIA
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 WESTERN AUSTRALIA, 514 HAY ST., PERTH, W.A.
 6090, AUSTRALIA
 ON ORDER

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1. Fluorescent Antibody Technic - congresses I. Holubar, K., ed. II. Knapp, W., ed. III. Wick, Georg, ed. IV. Title
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O

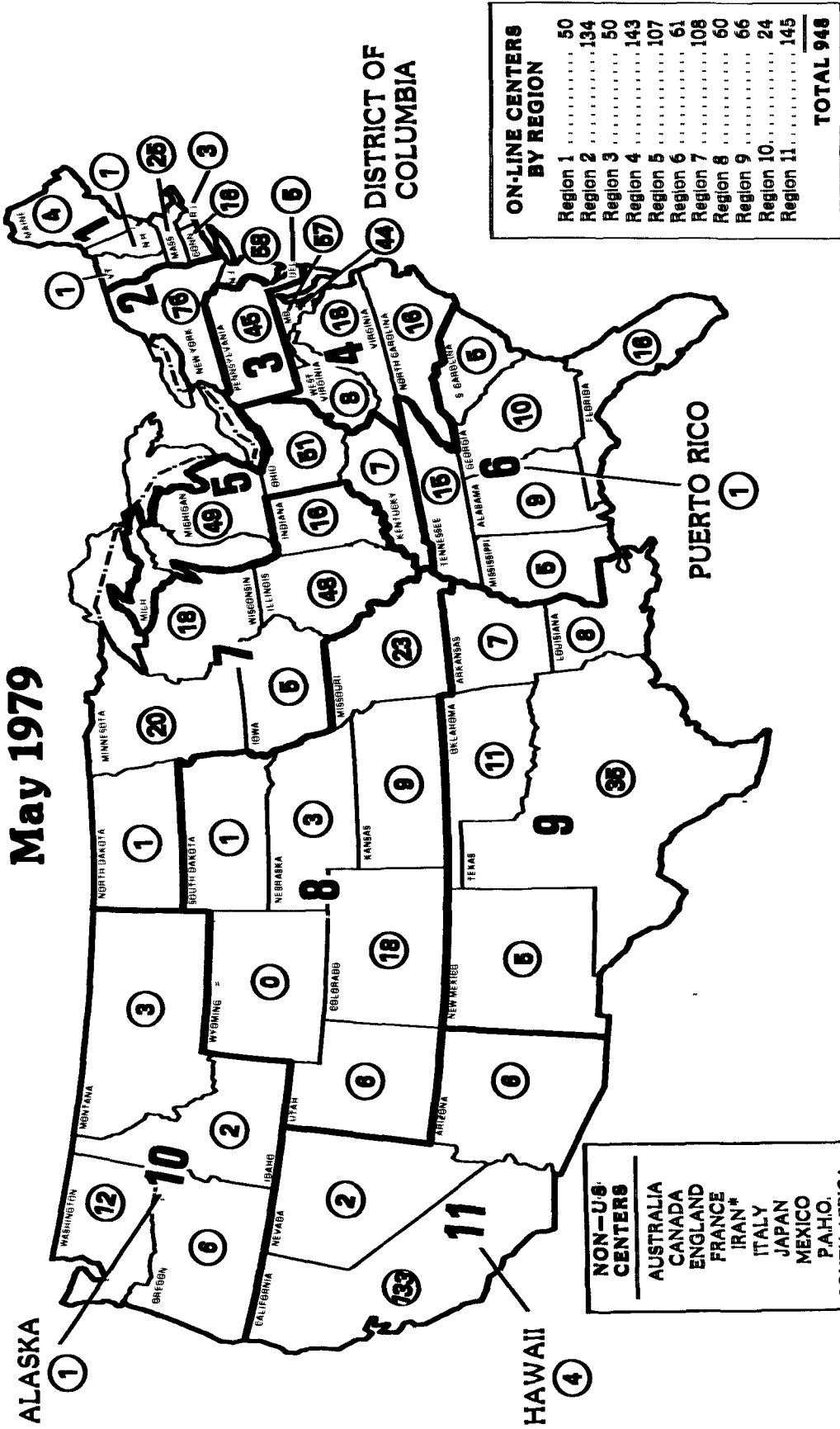
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IV. Title: Workshop on origins of inbred mice
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ON-LINE CENTERS IN THE UNITED STATES

May 1979



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THE NLM TECHNICAL BULLETIN

JULY 1979

NO. 123

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

NLM TECHNICAL BULLETIN JUL 79

DATA BASE	TOTAL RECORDS	FILES DATES COVERED	DATE LAST UPDATED	LATEST U-DATE TAG
*AVLINE	7,376	THROUGH 1979	27 JUL 79	
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	642,953	JAN 75-DEC 76	11 DEC 78	
*BIOETHICS	7,733	JAN 73-DEC 78	30 JUN 79	7906(EM)
*CANCERLIT	174,729	JAN 63-JUL 79	23 JUL 79	7907(ED)
*CANCERPROJ	18,641	1976-1979	16 JUL 79	7906(ED)
*CATLINE	188,906	1965-1979	27 JUL 79	
CHEMLINE	416,503		30 JUN 79	
*CLINPROT	1,520		08 MAY 79	7904(ED)
*EPILEPSY	24,177	1945-PRESENT	20 JAN 79	
*HEALTH	119,879	JAN 75-AUG 79	14 JUL 79	7908(EM)
*HISTLINE	36,864		18 JUN 79	
MEDLINE	532,524	JAN 77-AUG 79	09 JUL 79	7908(IM)
MESH VOC	14,819	1979	11 DEC 78	
*NAME AUTH	103,807	1979	31 MAY 79	
*RTECS	35,673	1978	20 MAR 79	
SDILINE	20,099	AUG 79	09 JUL 79	
*SERLINE	32,620	1979	30 JUN 79	
*TDB	2,507		21 MAY 79	
*TOXLINE	601,925		30 JUL 79	7907(ST)
CBAC	312,457	1974-VOL 29(13) VOL 30(1)		
TOXBIB	119,991	1974-AUG 79		
IPA	34,476	1974-MAY 79		
HEEP	70,219	1974-MAY 79		
PESTAB	16,063	1974-JUN 79		
EMIC	24,290	1960-JUN 79		
ETIC	15,301	1950-MAR 79		
RPROJ	7,290	APR, AUG 79		
*TOXBACK	379,299		26 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) 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

20209

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.

- CANCERLINE
FREE CONNECT
TIME

- Reminder: At NLM, connect time on CANCERLIT, CANCERPROJ, and CLINPROT is free during August for U. S. Centers. Offline and Offsearch page charges remain the same.
- CANCERPROJ
(Manual 17)

- The CANCERPROJ file was updated on July 16, 1979. The Performing Organization (PO) field is used to contain only the name of the organization doing the research. With this update, there are some entries in the file with the Principal Investigators' addresses in the PO field while other entries properly contain the organization performing the research. At the time of the next regeneration, the Principal Investigators' addresses will be withdrawn and the performing organization will be entered.
- CHEMLINE
(Manual 13)

- CHEMLINE was updated on June 30 and now contains 416,503 total records. This update represents new records and locator values for 39,213 records from the EPA TSCA Inventory. The new locator is TSCAINV. The remaining 4,065 inventory records will be added in the near future.
- BACKfile
NAMES IN
OFFSEARCH
(Manual 5)

- In addition to the shortened B75, B72, B69, and/or B66 notations for the BACKfiles of MEDLINE which may be entered in response to the OFFSEARCH Printspecs? query, MED75, MED72, MED69, and/or MED66 may also be entered as names for the BACKfiles.
- CANCERPROJ AND
CLINPROT INDEX
TERM LISTINGS

- A new list of alphabetical/hierarchical CANCERPROJ and a new list of CLINPROT index terms are available upon request from MEDLARS Management Section.

LISTS OF SUBSTANCES WITH COMPLETED RECORDS
IN THE TOXICOLOGY DATA BANK (TDB)

Sharon L. Valley, Ph.D., Darlene K. Futagaki, Ph.D.,
and Carol B. Haberman, M.S., M.P.A.
Specialized Information Services, NLM

The Toxicology Data Bank (TDB) has been recently updated with 134 records. This brings the total number of completed records in the TDB to 1,122. The remainder of the 2,507 records carry the status (ST) field "Data Processing in Progress." These records will be added as soon as they are completed and reviewed by the Peer Review Committee.

The TDB first became public to NLM U.S. online subscribers on October 31, 1978. This is the first update since the file became public. Normal NLM billing rates for this file became effective January 1, 1979. The TDB contains information from textbooks, handbooks, and other sources, and is reviewed by a peer review group of scientists from the NIH Toxicology Study Section. This group meets quarterly and examines the proposed contents of some 250 records. Consensus development by these experts determines the final content of the TDB records. It is anticipated that quarterly additions to the file will occur in the future.

The attached lists of approximately 1,100 substances represent the identification of names which have completed records in the TDB, as of May, 1979. For the convenience of the user, there are two lists. The first is arranged alphabetically by substance name; the second is in Chemical Abstracts Service (CAS) Registry Number order. Each list has three elements: the four-digit TDB number; the CAS Registry Number; and the name of the substance.

Please note that only one name is listed for each substance, not all the synonyms. The name selected is usually the more common name of the substance. Also note that four names have a star in front of them, to indicate that the name has been truncated.

The newly regenerated CHEMLINE file contains TDB in the LOCATOR (LO) field of records where the compound is also represented in the TDB. Therefore, users are also encouraged to use CHEMLINE so that information on a substance is not missed if the user has a substance name different from the one appearing on the enclosed lists.

Lists are also available, upon written request, which contain all substances (completed as well as in progress) in the TDB, plus the identification of those completed as of May, 1979. For a copy of the complete lists, users should send a letter to the Toxicology Data Bank, Toxicology Information Program, National Library of Medicine, Room C6B, Bethesda, Maryland 20209.

ONLINE USERS' MEETING
June 1979
Honolulu, Hawaii

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

1. Q. Can PRINT COMPRESSED be expanded to include compression of main headings in MEDLINE?
A. The present PRINT COMPRESSED command includes compression of all fields which appear more than once, including main headings.
2. Q. When will the PRINT COMPRESSED command be implemented at SUNY?
A. It was implemented July 1979.
3. Q. Can a "cancel" capability be added to cancel offsearches once they have been accepted?
A. The capability to cancel offsearches exists now, but the user must call MMS. The request must be made the same day the search was input and the taskname must be provided. This applies to offsearches input at NLM and SUNY.
4. Q. Are all the Special List Nursing citations included in MEDLINE as well as in the Index to Nursing Literature?
A. Yes.
5. Q. Can the NLM hours of service be expanded?
A. This is under consideration by NLM.
6. Q. Can a checktag for "illustrations" be added?
A. This suggestion will be reviewed by our Medical Subject Headings staff.
7. Q. Can a shortened training class which would be especially beneficial to hospital librarians be arranged?
A. NLM is looking into this possibility. A "no hands-on" special class will be held for back-up trainees in the fall 1979.
8. Q. When will NLM cataloging data be available through OCLC?
A. Based upon our latest information from OCLC, they plan to make NLM CATLINE cataloging records available through OCLC in August 1979.

OCLC users are encouraged to address this inquiry to OCLC through their OCLC user networks. There are no plans at present to provide AVLINE cataloging through OCLC.

9. Q. Does NLM plan to produce catalog cards?
- A. No, catalog cards representing NLM CATLINE cataloging are only available commercially from TRINCO. (AVLINE cataloging is not available from TRINCO.) You may contact TRINCO AT: P.O. Box 12613, San Antonio, Texas 78212. However, catalog card format is available when printing online from CATLINE. This capability should be available from AVLINE by September 1, 1979.
10. Q. Do you plan to add the capability to search multiple files without re-entering the search formulation?
- A. This capability is currently available using OFFSEARCH. Additionally, a SAVESEARCH capability is being tested which will allow the user to save the search and run it against separate files. Implementation will be announced in the online NEWS and the Technical Bulletin.
11. Q. Can the Backfile citations indexed by REVIEW be added to the MEDLINE file as they once were?
- A. These Backfile Review articles were deleted from the MEDLINE file because of a space limitation problem. NLM has decided not to reinstate these in MEDLINE at this time.
12. Q. Can the Author Affiliation field be added to MEDLINE in addition to SDILINE?
- A. The Author Affiliation data were stripped from MEDLINE because of a space limitation problem. NLM does not plan to add this data element to MEDLINE at this time.
13. Q. Can a toll-free line to the MMS Service Desk be added for Hawaiian users?
- A. At the present time, IN-WATS (toll-free) lines are not available from Hawaii to the mainland.
14. Q. Can more data bases be added to SUNY?
- A. NLM does not plan to add additional data bases at SUNY; however, we are considering extending the hours of operation at NLM.
15. Q. When will LADB (Laboratory Animal Data Bank) be available?
- A. LADB is currently available from Battelle to test users who submitted data; it is expected to be available through the NLM Online Network in the spring of 1980.

16. Q When searching TOXLINE, are the RPROJ records automatically searched?
- A. Yes, unless the searcher excludes the RPROJ records in the search formulation.
17. Q. Can automatic SDI searches be made available for CATLINE and AVLINL?
- A. NLM will look into the demand for automatic SDIs run against CATLINE and AVLINE.
18. Q. Can the Author field be restricted to print out only the first author?
- A. Yes, but the majority of our users prefer all authors to be printed, and our system cannot handle the option to print one or multiple authors.
19. Q. Who is available for those in one-searcher staff positions who may need someone to consult with?
- A. There are several alternatives for all searchers, regardless of the number of searchers in their institution: first, the NLM staff is available from 8:30 a.m. - 5:00 p.m. ET; second, the Regional Medical Library online coordinators are available during their normal operating hours; third, searchers may consult with their Regional Technical Resource Persons (TRPs). Additionally, some hospitals and small libraries form consortia to help each other with search formulations, document delivery, etc.
20. Q. When will the POPULATION data base be available?
- A. The POPULATION data base is expected to be available in the fall of 1979.
21. Q. Can the stored address reminder be eliminated?
- A. Yes, NLM will consider this recommendation.
22. Q. Would it be possible to eliminate the 25-line limit when printing online?
- A. This is technically possible. NLM is examining the possibility of providing commands which will allow the user to print more lines without interruption, vary the line length, and have the capability to add or change passwords and/or stored addresses.
23. Q. Has the ALLBACK (BACKALL) alias been added so that all backfiles can be searched without entering each backfile name separately?
- A. This capability is not yet available; however, NLM will investigate.

NOTE: In response to a question from Dr. Leiter, the majority of the audience indicated they would like "next-day" printing of offline prints and offsearches to be printed at the user's terminal.

AVLINE UPDATE

Alice E. Jacobs, Technical Services Division, NLM

AVLINE GROWTH

AVLINE now contains over 7,000 titles. In the first six months of 1979, 698 items were added to the file. 71% of these titles are considered Category A (educationally designed and therefore reviewed), while 29% of these are considered Category B (lectures, congresses, grand rounds, etc. which are not reviewed). Of the Category A titles, 9.2% are CIP titles, cataloged in conjunction with the ongoing Cataloging-in-Publication program for audiovisuals (see February 1978 and December 1978 NLM Technical Bulletins). Each month between 100 and 150 new titles are added to the data base.

CLARIFICATION OF PRICE FIELD

As stated in the NLM Online Services Reference Manual,

"The price field contains information for both the loan and sale prices in U. S. dollars if available. Prices given are those available at the time of cataloging and are meant to be used as a guideline only...If the price is unknown or complex, the phrase 'Write for complete information' is given in the PR field..."

It should be noted that while an item may be available for loan, often a loan fee or rental is imposed by the distributor. Users should not automatically assume that if the [for loan by ...] phrase appears in the imprint, the item is available free of charge. Specific details as to loan fees are included in the price field as loan price information. The price, even if free, is recorded. The information is displayed in the price field as in the examples below.

EXAMPLE 1: Loan: Free (no. 101)
Sale: 50.00 (no. 101)

EXAMPLE 2: Loan 12.00 (no. V-8)
Sale: 150.00 (no. V-8)

EXAMPLE 3: Loan: Write for complete information (no. 113)
Sale: Write for complete information (no. 113)

ABBREVIATED INITIAL ONLINE SERVICES TRAINING COURSE

The National Library of Medicine is again offering a special abbreviated Initial Online Services Training course for back-up searchers. This course will include all the lectures, discussions, and demonstrations of the standard Initial Training curriculum, but will omit "hands-on" sessions. The elimination of terminal exercises will enable up to 50 people to attend the course.

The class will be held November 13 - 16 in the Billings Auditorium at the Library. Application forms may be obtained from the Regional Medical Libraries and should be submitted to the Online Training Coordinator, NLM, as soon as possible. Those applications previously received by the Online Training Coordinator will receive first priority. All other applications will be processed in order of receipt.

Registration is limited to one application per ID code.

1980 PRE-EXPLOSIONS

Later this year, when the MEDLINE files are prepared for searching with 1980 MeSH, we will have an opportunity to include a limited number of additional pre-explosions. So far this year, we have received a small number of letters with pre-explosion requests. Others desiring to have their pre-explosion wishes heard before the final decisions for 1980 are made should send their suggestions, by no later than September 1, to:

Dr. Clifford A. Bachrach
Head, MeSH Section
National Library of Medicine
Bethesda, Maryland 20209

ERRATUM

The previous issue (June 1979) of the NLM Technical Bulletin, No. 122, inadvertently had the month May specified on the cover. Please make a change on your copy to avoid confusion in the future.

NEW SERIALS ANNOUNCEMENT - JUNE 1979
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement. 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 DERMATOPATHOLOGY
1,1979--
MASSON
NEW YORK UNITED STATES
MASSON PUBLISHING USA, INC. 14 E. 60TH ST.
NEW YORK, N.Y. 10022
ON ORDER

AMERICAN JOURNAL OF DIAGNOSTIC GYNECOLOGY
AND OBSTETRICS
1,1979--
MASSON
NEW YORK UNITED STATES
MASSON PUBLISHING USA, INC. 14 E. 60TH ST.
NEW YORK, N.Y. 10022
ON ORDER

AOA YEARBOOK AND DIRECTORY OF OSTEOPATHIC
PHYSICIANS
1979--
AMERICAN OSTEOPATHIC ASSOCIATION
FORMED BY THE UNION OF YEARBOOK AND
DIRECTORY OF OSTEOPATHIC PHYSICIANS AND
DIRECTORY OF NONMEMBER OSTEOPATHIC
PHYSICIANS.
UNITED STATES
ON ORDER

BIOLOGIA Y CLINICA HEMATOLOGICA
1N1, JAN/MAR 1979--
SERVICO DE HEMATOLOGIA HOSPITAL DE LA SANTA
CRUZ Y SAN PABLO
BARCELONA SPAIN
SERVICIO DE HEMATOLOGIA HOSPITAL DE LA
SANTA CRUZ Y SAN PABLO AV. SAN ANTONIO MA
CLARET 167 BARCELONA 25 SPAIN
IN PROCESS

IM CALCIFIED TISSUE INTERNATIONAL
27N1, 1979--
SPRINGER INTERNATIONAL
CONTINUES CALCIFIED TISSUE RESEARCH.
SUPPLEMENTS ACCOMPANY SOME VOLS.
BERLIN GERMANY, WEST
W1 CA162T

DIGEST OF SELECTED HEALTH AND INSURANCE
PLANS
1977/79--
U.S. BUREAU OF LABOR STATISTICS
CONTINUES DIGEST OF HEALTH AND INSURANCE
PLANS. UPDATED BY CONTINUING SUPPLEMENTS.
WASHINGTON UNITED STATES
IN PROCESS

EYE
1, FALL 1979--
EDEN PRESS
MONTREAL CANADA
EDEN MEDICAL RESEARCH, INC., BOX 51, ST.
ALBANS, VERMONT 05478
ON ORDER

HANDBOOK OF BEHAVIORAL NEUROBIOLOGY
1, 1978--
PLENUM PRESS
NEW YORK UNITED STATES
W1 HA511

INDEX TO SOCIAL SCIENCES AND HUMANITIES
PROCEEDINGS
N1, JAN/MAR 1979--
INSTITUTE FOR SCIENTIFIC INFORMATION
PHILADELPHIA UNITED STATES
IN PROCESS

INTERNATIONAL CONGRESS ON THE MENOPAUSE
1ST, 1976--
MTP PRESS
LANCASTER ENGLAND
W3 IN667

JOURNAL OF CLINICAL GASTROENTEROLOGY
1, 1979--
MASSON
NEW YORK UNITED STATES
MASSON PUBLISHING USA, INC. 14 E. 60TH ST.
NEW YORK, N.Y. 10022
ON ORDER

LIEBIGS ANNALEN DER CHEMIE
1, 1979--
VERLAG CHEMIE, GMBH
CONTINUES JUSTUS LIEBIGS ANNALEN DER CHEMIE.
WEINHEIM GERMANY, WEST
IN PROCESS

LIVER: NORMAL FUNCTION AND DISEASE
1, 1978--
DEKKER
NEW YORK UNITED STATES
IN PROCESS

IM MICROSCOPICA ACTA. SUPPLEMENT
1, 1977--
S HIRZEL VERLAG
STUTT GART GERMANY, WEST
ON ORDER

NLM TECHNICAL BULLETIN - JUL 79

- IM MIKROBIOLOGICHESKII ZHURNAL
40N1,1978--
IEDATELSTVO NAUKOVA DUMKA
CONTINUES MIKROBIOLOGICHNYI ZHURNAL
KIEV USSR
IN PROCESS
- IM MOLECULAR IMMUNOLOGY
16N1,1979--
PERGAMON PRESS
CONTINUES IMMUNOCHEMISTRY.
OXFORD ENGLAND
W1 M0196K
- IM NEUROPSYCHIATRIE DE L ENFANCE ET DE L
ADOLESCENCE
27,1979--
EXPANSION SCIENTIFIQUE
CONTINUES REVUE DE NEUROPSYCHIATRIE
INFANTILE ET D HYGIENE MENTALE DE L
ENFANCE. OFFICIAL ORGAN OF THE SOCIETE
FRANCAISE DE PSYCHIATRIE DE L ENFANT ET DE
L ADOLESCENT.
PARIS FRANCE
W1 NE339L
- NHSC - HEALTH CARE PRACTITIONERS
WINTER 1978/79--
U.S.DHEW. HEALTH SERVICES ADMINISTRATION,
BUREAU OF COMMUNITY HEALTH SERVICES.
NATIONAL HEALTH SERVICE CORPS
BETHESDA MD UNITED STATES
IN PROCESS
- NURSING CAREER DIRECTORY
1979--
INTERMED COMMUNICATIONS, INC.
HORSHAM PA UNITED STATES
ON ORDER - UCLA
- PER. PROFESSIONS EDUCATION RESEARCHER
1,WINTER 1979--
AMERICAN EDUCATIONAL RESEARCH ASSOCIATION.
DIVISION 1
SUPERSEDES HPEER. HEALTH PROFESSIONS
EDUCATORS EXCHANGE OF RESEARCH. OFFICIAL
NEWSLETTER OF DIVISION 1 - EDUCATION IN THE
PROFESSIONS.
WASHINGTON? UNITED STATES
EDITOR, PER, COLLEGE OF EDUCATION, THE OHIO
STATE UNIVERSITY, 222 RAMSEYER HALL, 29 W.
WOODRUFF AVE, COLUMBUS, OH 43210
W1 P142
- PHARMAEUTISCH WEEKBLAD. SCIENTIFIC EDITION
1N1,FEB 1979--
BOHN, SCHELTEMA AND HOLKEMA
UTRECHT NETHERLANDS
P.O. BOX 13079 3507 LB UTRECHT NETHERLANDS
IN PROCESS
- PRAXIS DER PSYCHOTHERAPIE UND PSYCHOSOMATIK
24,1979--
SPRINGER-VERLAG
CONTINUES PRAXIS DER PSYCHOTHERAPIE.
INCLUDES PROCEEDINGS OF THE LINDAUER
PSYCHOTHERAPIEWOCHEN.
BERLIN GERMANY, WEST
W1 PR321K
- SCIQUEST
52N4, APR 1979--
AMERICAN CHEMICAL SOCIETY
CONTINUES CHEMISTRY.
WASHINGTON UNITED STATES
W1 SC675P
- SEAMIC INFORMATION RETRIEVAL ON CURRENT
LITERATURE. SERIES D: PRIMARY HEALTH CARE
1,MAP 1978--
SEAMIC. SOUTHEAST ASIAN MEDICAL
INFORMATION CENTER. INTERNATIONAL MEDICAL
FOUNDATION OF JAPAN.
TOKYO JAPAN
IN PROCESS
- SERIES IN RADIOLOGY. RADIOLOGICAL
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NLM TECHNICAL BULLETIN - JUL 79

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U.S. SOCIAL SECURITY ADMINISTRATION CONTINUES SOCIAL SECURITY RULINGS ON FEDERAL OLD-AGE, SURVIVORS, DISABILITY AND HEALTH INSURANCE.
WASHINGTON UNITED STATES
SOCIAL SECURITY ADMINISTRATION DEPARTMENT OF HEALTH, EDUCATION AND WELFARE BALTIMORE, MD 21235
IN PROCESS

SOCIETY FOR GENERAL MICROBIOLOGY QUARTERLY 6, NOV 1978--
SOCIETY FOR GENERAL MICROBIOLOGY CONTINUES PROCEEDINGS OF THE SOCIETY FOR GENERAL MICROBIOLOGY.
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D

Differentiation of normal and neoplastic hematopoietic cells / edited by Bayard Clarkson, Paul A. Marks, James E. Till. -- [Cold Spring Harbor, N. Y.] : Cold Spring Harbor Laboratory, 1978. 2 v. (xiv, 994 p.) : ill., ports. -- (Cold Spring Harbor conferences on cell proliferation ; v. 5) Meeting held Sept 6-11, 1977.
1. Cell Differentiation - congresses 2. Cell Transformation, Neoplastic - congresses 3. Hematopoietic Stem Cells - congresses 4. Hematopoietic System - congresses I. Clarkson, Bayard, ed. II. Marks, Paul A., ed. III. Till, James E., ed. IV. Cold Spring Harbor Laboratory. V. Title: Meeting on differentiation of normal and neoplastic hematopoietic cells VI. Series
ISBN 0-87969-121-2 LC: 78-60391
04NLM: W3 C162N v.5 1977
OXNLM: [WH 140 D569 1977]
IM Cit. No. 7903945

F

Frontiers in physicochemical biology : proceedings of an international symposium held in celebration of the fiftieth anniversary of the Institut de biologie physico-chimique (Fondation Edmond de Rothschild), Paris, May 23-27, 1977 / edited by Bernard Pullman. - New York : Academic Press, 1978. xvi, 503 p. includes bibliographies.
1. Biophysics - congresses 2. Molecular Biology - congresses I. Pullman, Bernard, 1919 ed. II. Institut de biologie physico-chimique. III. Title: Symposium on Frontiers in physicochemical biology
ISBN 0-12-566960-7 LC: 78-18258
04NLM: QH 506 F935 1977
IM Cit. No. 7903110

I

The Induction of drug metabolism : symposium, Ashford Castle, Ireland, May 24th-27th, 1978 / editors, R. W. Estabrook, E. Lindenlaub. -- Stuttgart ; New York : Schattauer, 1979. xii, 45 p. : ill., port. -- (Symposia medica Hoechst '74) Summaries in English and German.
1. Carcinogens - pharmacodynamics - congresses 2. Drugs - metabolism - congresses 3. Enzyme Induction - congresses I. Estabrook, Ronald W., ed. II. Lindenlaub, E., ed. III. Title: Symposium on the induction of drug metabolism IV. Series
ISBN 3-7945-0560-4
04NLM: W3 SY1055 v.14 1978
OXNLM: [QV 33 147 1978]
IM Cit. No. 7903735

International Symposium on Enzyme Labelled Immunoassay of Hormones and Drugs, Uln, 1978. Enzyme labelled immunoassay of hormones and drugs : proceedings ... / editor, S. B. Pal. -- Berlin ; New York : De Gruyter, 1978. xxv, 475 p. : ill

1. Hormones - analysis - congresses 2. Hormones - analysis - congresses 3. Immunoenzyme Technics - congresses I. Pal, S. B., 1928- ed. II. Title
ISBN 3-11-007539-3 LC: 78-21664
04NLM: QW 25 I61e 1978
IM Cit. No. 7904786

N

NATO International Advanced Study Institute on Antiviral Mechanisms for the Control of Neoplasia, Corfu, Greece, 1978. Antiviral mechanisms in the control of neoplasia / edited by P. Chandra. -- New York : Plenum Press, 1978. xiv, 757 p. : ill. -- (NATO Advanced Study Institute Series : Ser. A, Life Sciences ; v. 20)
1. Antineoplastic Agents - therapeutic use - congresses 2. Antiviral Agents - therapeutic use - congresses 3. Neoplasms - etiology - congresses 4. Neoplasms - prevention & control - congresses 5. Oncogenic Viruses - genetics - congresses I. Chandra, Prakash, ed. II. North Atlantic Treaty Organization. III. Title IV. Series
ISBN 0-306-40063-4
04NLM: OZ 200.3 N101a 1978
IM Cit. No. 7904500
Price: 57.50

R

Regulation of ventilation and gas exchange / edited by Donald G. Davies, Charles D. Barnes. -- New York : Academic Press, 1978. xii, 308 p. : ill. -- (Research topics in physiology ; 1) Annual seminar conducted by the Dept. of Physiology at Texas Tech University School of Medicine in 1978.
1. Blood Gas Analysis - congresses 2. Respiration - congresses 3. Ventilation-Perfusion Ratio - congresses I. Barnes, Charles Dee, 1935- II. Davies, Donald G., ed. III. Texas Tech University. Dept. of Physiology. IV. Title: Seminar on regulation of ventilation and gas exchange V. Series
ISBN 0-12-204650-1 LC: 78-3332
04NLM: W3 RE488S v.1 1978
OXNLM: [WF 102 R344 1978]
IM Cit. No. 7904044

S

San Francisco Cancer Symposium, 13th, 1978. Combined effects of chemotherapy and radiotherapy on normal tissue tolerance / editor, Jerome M. Vaeth. -- Basel ; New York : Karger, 1979. vi, 251 p. : ill. -- (Frontiers of radiation therapy and oncology ; v. 13) Sponsored by West Coast Cancer Foundation.
1. Neoplasms - drug therapy - congresses 2. Neoplasms - radiotherapy - congresses 3. Radiation Effects - congresses 4. Radiation Injuries - congresses I. Vaeth, Jerome M., 1925- ed. II. West Coast Cancer Foundation. III. Title IV. Series
ISBN 3-8055-2932-5
04NLM: W3 FR935 v.13 1978
OXNLM: [WN 610.3 S195 1978c]
IM Cit. No. 7900281 (rev. CIP.)

SUBSTANCES WITH COMPLETED RECORDS IN THE TOXICOLOGY DATA BANK (TDB)

ALPHABETICAL BY SUBSTANCE NAME

APPENDIX A

TDBN	REG NO	NAME	TDBN	REG NO	NAME
2670	18619-18-6	((O-CHLOROPHENYL)THIO) ACETIC ACID	0207	12124-97-9	AMMONIUM BROMIDE
2670	7396-28-3	(3-CHLOROPHENYL)-PROPYNOIC ACID	0485	1111-78-0	AMMONIUM CARBAMATE
26	94-76-8	(4-CHLORO-O-TOLYL)THIO) ACETIC ACID	0482	7788-98-9	AMMONIUM CHROMATE
2670	831-81-2	(4-CHLOROPHENYL)-PHENYL METHANE	0479	540-69-2	AMMONIUM FORMATE
2675	3240-10-6	(4-CHLOROPHENYL)-PROPYNOIC ACID	0478	10361-31-6	AMMONIUM GLUCONATE
★2677	14273-76-8	(6-CHLORO-2-METHYL-5-PYRIMIDYL)-ACETIC	0477	7803-65-8	AMMONIUM HYPOPHOSPHITE
0956	3383-96-8	ABATE	0476	12027-06-4	AMMONIUM IODIDE
1914	9000-01-5	ACACIA	2687	9051-57-4	AMMONIUM NANOXYNOL-4-SULFATE
2659	83-32-9	ACENAPHTHENE	1425	12007-89-5	AMMONIUM PENTABORATE
0230	75-07-0	ACETALDEHYDE	0474	7790-98-9	AMMONIUM PERCHLORATE
2662	107-29-9	ACETALDEHYDE OXIME	0472	16919-19-0	AMMONIUM SILICOFLUORIDE
2663	107-89-1	ACETALDOL	0703	7773-06-0	AMMONIUM SULFAMATE
2664	1068-90-2	ACETAMIDOMALONIC ACID DIETHYL ESTER	2502	3164-29-2	AMMONIUM TARTRATE
2665	103-84-4	ACETANILIDE	2688	7783-18-8	AMMONIUM THIOSULFATE
2696	91-49-6	ACETANILIDE, N-BUTYL	0468	110-66-7	AMYL MERCAPTAN
2666	919-54-0	ACETHION	2072	513-35-9	AMYLENE
2700	7507-35-9	ACETIC ACID, (3,5-DIBROMOPHENOXYL) -	0466	2152-64-9	ANILINE BLUE
2697	591-87-7	ACETIC ACID, ALLYL ESTER	2690	56961-05-8	ANILINE-2,6-DICHLORO-N,N-DIMETHYL
2702	68-11-1	ACETIC ACID, MERCAPTO	2719	698-01-1	ANILINE, O-CHLORO-N,N-DIMETHYL
2704	25103-09-7	ACETIC ACID, MERCAPTO ISOOCYL ESTER	2693	527-20-8	ANILINE, PENTACHLORO
2703	3746-39-2	ACETIC ACID, MERCAPTO, DODECYL ESTER	0044	100-66-3	ANISOLE
2705	2365-48-2	ACETIC ACID, MERCAPTO, METHYL ESTER	0702	120-12-7	ANTHRACENE
2706	123-43-3	ACETIC ACID, SULFO	2158	90-44-8	ANTHRONE
2707	123-93-3	ACETIC ACID, THIODI	0508	7440-36-0	ANTIMONY
2708	2235-46-3	ACETOACETAMIDE, N,N-DIETHYL	0444	7647-18-9	ANTIMONY PENTACHLORIDE
2669	102-01-2	ACETOACETANILIDE	0442	7783-70-2	ANTIMONY PENTAFLUORIDE
2709	101-92-8	ACETOACETANILIDE, 4'-CHLORO	1428	28300-74-5	ANTIMONY POTASSIUM TARTRATE
0974	513-86-0	ACETOIN	0441	7789-61-9	ANTIMONY TRIEROMIDE
0041	67-64-1	ACETONE	0439	10025-91-9	ANTIMONY TRICHLORIDE
2711	99-92-3	ACETOPHENONE, P-AMINO	0438	7783-56-4	ANTIMONY TRIFLUORIDE
2710	121-89-1	ACETOPHENONE, 3-NITRO	0436	1309-64-4	ANTIMONY TRIOXIDE
2030	2425-25-4	ACETOXON	1917	9000-69-5	APPLE PECTIN
0663	506-96-7	ACETYL BROMIDE	1529	140-57-8	ARAMITE
0662	75-36-5	ACETYL CHLORIDE	1597	131-72-6	ARATHANE
0656	77-90-7	ACETYL TRIBUTYL CITRATE	0509	7440-38-2	ARSENIC
2717	121-60-8	ACETYLAMINO BENZENESULFONYL CHLORIDE	0431	7778-39-4	ARSENIC ACID
016	74-86-2	ACETYLENE	0422	7784-34-1	ARSENIC TRICHLORIDE
0635	499-12-7	ACONITIC ACID	0421	7784-35-2	ARSENIC TRIFLUORIDE
0634	260-94-6	ACRIDINE	0419	1327-53-3	ARSENIC TRIOXIDE
0191	79-06-1	ACRYLAMIDE	0510	7784-42-1	ARSENE
0176	107-13-1	ACRYLONITRILE	0511	1332-21-4	ASBESTOS
0188	124-04-9	ADIPIC ACID	0418	137-66-6	ASCORBYL PALMITATE
1901	9002-18-0	AGAR-AGAR GEL	1776	3244-90-4	ASPON
1951	8002-39-9	ALKAVERVIR	0413	1912-24-9	ATRAZINE
1511	584-79-2	ALLETHRIN	0410	1337-76-4	ATTAPULGITE
0192	107-18-6	ALLYL ALCOHOL	2720	1602-00-2	AZOBENZENE, 4,4'-DICHLORO-
0622	106-95-6	ALLYL BROMIDE	1591	6923-22-4	AZODRIN
0178	107-05-1	ALLYL CHLORIDE	1584	1689-83-4	BANTROL
0621	2937-50-0	ALLYL CHLOROFORMATE	1605	17194-00-2	BARIUM HYDROXIDE
0617	57-06-7	ALLYL ISOTHIOCYANATE	1979	8021-39-4	BEECHWOOD CREOSOTE
2519	2179-59-1	ALLYL PROPYL DISULFIDE	2724	929-77-1	BEHENIC ACID, METHYL ESTER
2715	107-37-9	ALLYLTRICHLOROSILANE	0393	741-58-2	BENSULIDE
2678	611-17-6	ALPHA-BROMO-2-CHLOROTOLUENE	0392	1302-78-9	BENTONITE
2679	41011-01-2	ALPHA-BROMO-3-CHLOROACETOPHENONE	0388	100-52-7	BENZALDEHYDE
1982	5798-79-8	ALPHA-BROMOBENZYL CYANIDE	2726	4659-47-6	BENZALDEHYDE, 2,3,6-TRICHLORO-
2680	619-23-8	ALPHA-CHLORO-M-NITROTOLUENE	0234	8601-54-5	BENZALKONIUM CHLORIDE
2681	552-45-4	ALPHA-CHLORO-O-XYLENE	1606	608-73-1	BENZENE HEXACHLORIDE
2682	104-82-5	ALPHA-CHLORO-P-XYLENE	2729	3497-00-5	BENZENE PHOSPHORUS THIODICHLORIDE
2717	3132-64-7	ALPHA-EPIBROMOHYDRIN	2734	106-37-6	BENZENE, P-DIBROMO
0196	98-83-9	ALPHA-METHYL STYRENE	2731	104-83-6	BENZENE, 1-CHLORO-4-CHLOROMETHYL
0720	80-56-8	ALPHA-PINENE	2735	350-46-9	BENZENE, 1-FLUORO-4-NITRO
2685	10043-67-1	ALUM, POTASSIUM	★2732	13075-01-9	BENZENE, 1,2,4-TRIBROMO, 3,5,6-TRICHLORO
0507	7429-90-5	ALUMINUM	2733	95-94-3	BENZENE, 1,2,4,5-TETRACHLORO
0611	7784-25-0	ALUMINUM AMMONIUM SULFATE	2738	2130-56-5	BENZIDINE-3,3'-DICARBOXYLIC ACID
2066	7727-15-3	ALUMINUM BROMIDE	2739	147-93-3	BENZOIC ACID, O-MERCAPTO
0575	21645-51-2	ALUMINUM HYDROXIDE	0384	119-53-9	BENZOIN
0574	13473-90-0	ALUMINUM NITRATE	0045	100-47-0	BENZONITRILE
0573	688-37-9	ALUMINUM OLEATE	2740	134-85-0	BENZOPHENONE-, 4-CHLORO
0506	1344-28-1	ALUMINUM OXIDE	2741	136-95-8	BENZOTHAZOLE, 2-AMINO
0572	555-35-1	ALUMINUM PALMITATE	2077	98-08-8	BENZOTRIFLUORIDE
1971	8015-62-1	AMERETTE SEED OIL	0383	98-88-4	BENZOYL CHLORIDE
0564	133-90-4	AMIBEN	0372	94-36-0	BENZOYL PEROXIDE
0556	631-61-8	AMMONIUM ACETATE	0046	100-51-6	BENZYL ALCOHOL
1910	9005-34-9	AMMONIUM ALGINATE	0364	501-53-1	BENZYL CHLOROFORMATE
0555	1863-63-4	AMMONIUM BENZOATE	0359	103-41-3	BENZYL CINNAMATE
0491	1066-33-7	AMMONIUM BICARBONATE	2103	140-29-4	BENZYL CYANIDE
0486	10192-30-0	AMMONIUM BISULFITE	2794	538-74-9	BENZYL SULFIDE

TDBN	REG NO	NAME	TDBN	REG NO	NAME
2742	98-84-0	BENZYLAMINE, ALPHA-METHYL	2755	20668-13-7	CARBANILIC ACID, O-CHLORO-METHYL EST
2170	316-41-6	BERBERINE SULFATE	2757	102-07-8	CARBANILIDE
0512	7440-41-7	BERYLLIUM	0952	63-25-2	CARBARYL
0357	7787-47-5	BERYLLIUM CHLORIDE	0051	111-90-0	CARBITOL
0350	13327-32-7	BERYLLIUM HYDROXIDE	1530	1563-66-2	CARBOFURAN
0348	13598-15-7	BERYLLIUM PHOSPHATE	0953	1333-86-4	CARBON BLACK
0347	13510-49-1	BERYLLIUM SULFATE	0516	124-38-9	CARBON DIOXIDE
1969	103-64-0	BETA-BROMOSTYRENE	0052	75-15-0	CARBON DISULFIDE
0811	57-57-8	BETA-PROPIOLACTONE	0903	630-08-0	CARBON MONOXIDE
1518	485-31-4	BINAPACRYL	0959	9004-30-2	CARBOXYMETHYL HYDROXYETHYL CELLULOSE
2744	56961-07-0	BIPHENYL, 4'-BROMO-3-METHYL	1908	9000-40-2	CARCS BEAN GUM
0501	542-88-1	BIS(CHLOROMETHYL) ETHER	1906	9000-07-1	CARRAGEENIN GUM
0341	298-07-7	BIS(2-ETHYLHEXYL) PHOSPHATE	0906	499-75-2	CARVACROL
0338	110-97-4	BIS(2-HYDROXYPROPYL)AMINE	0707	99-49-0	CARVONE
2078	7440-69-9	BISMUTH	1933	8001-79-4	CASTOR OIL
1608	1304-85-4	BISMUTH SUBNITRATE	1436	120-80-9	CATECHOL
0331	1675-54-3	BISPHENOL A DIGLYCIDYL ETHER	2157	145-94-8	CHLORINDANOL
2746	142-46-1	BIUREA, 2,5-DITHIO	0206	7782-50-5	CHLORINE
1953		BCNESET EXTRACT	0517	10049-04-4	CHLORINE DIOXIDE
0328	1303-96-4	BORAX	0970	7790-91-2	CHLORINE TRIFLUORIDE
0946	507-70-0	BORNEOL	2762	56961-47-8	CHLORO-(O-CHLOROPHENYL)-PHENYL METHA
0327	10294-33-4	BORON TRIBROMIDE	2521	107-20-0	CHLOPOACETALDEHYDE
0326	10294-34-5	BORON TRICHLORIDE	0972	1341-24-8	CHLOROACETOPHENONE
0325	7637-07-2	BORON TRIFLUORIDE	0973	79-04-9	CHLOROACETYL CHLORIDE
0514	7726-95-6	BROMINE	0055	108-90-7	CHLOROBENZENE
0323	7787-71-5	BROMINE TRIFLUORIDE	2764	3615-21-2	CHLOROFUORAZOLE
0315	598-31-2	BROMOACETONE	0056	67-66-3	CHLOROFORM
2747	101-55-3	BROMOPHENYL PHENYL ETHER	2766	615-67-8	CHLOROHYDROQUINONE
1595	126-22-7	BUTCNATE	2765	85-19-8	CHLOROHYDROXY BENZOPHENONE
1524	9007-07-2	BUTOXYPOLYPROPYLENE GLYCOL	1542	2675-77-6	CHLORONEB
0152	123-86-4	BUTYL ACETATE	2056	100-56-1	CHLOROPHENYLMERCURY
0515	109-73-9	BUTYL AMINE, NORMAL	1618	126-99-8	CHLOROPRENE
2089	136-60-7	BUTYL BENZOATE	2052	96-24-2	CHLOROPROPANEDIOL
0290	109-79-5	BUTYL MERCAPTAN	1732	5836-10-2	CHLOROPROPYLATE
0289	97-88-1	BUTYL METHACRYLATE	2057	54-05-7	CHLOROQUINE
0286	94-26-8	BUTYL PARABEN	0980	1982-47-4	CHLOROXURON
0942	123-95-5	BUTYL STEARATE	2808	113-59-7	CHLOROPROTHIXENE
0283	7521-80-4	BUTYL TRICHLOROSILANE	0982	81-25-4	CHOLIC ACID
2748	110-68-9	BUTYLAMINE, N-METHYL	0984	67-48-1	CHOLINE CHLORIDE
2750	1335-16-6	BUTYLMETHOXYPHENOL	0983	87-67-2	CHOLINE TARTRATE
0284	85-70-1	BUTYLPHTHALYL BUTYL GLYCOLATE	0925	1066-30-4	CHROMIC ACETATE
0940	107-92-6	BUTYRIC ACID	1619	1308-38-9	CHROMIC OXIDE
0280	543-90-8	CADMIUM ACETATE	1620	12018-01-8	CHROMIUM DIOXIDE
0279	7789-42-6	CADMIUM BROMIDE	0518	1333-82-0	CHROMIUM TRIOXIDE
1612	513-78-0	CADMIUM CARBONATE	0989	814-90-4	CHROMOUS OXALATE
0277	14486-19-2	CADMIUM FLUOROSULFATE	0990	7791-14-2	CHROMYL CHLORIDE
0276	10325-94-7	CADMIUM NITRATE	2085	132-60-5	CINCOFEN
0274	10124-36-4	CADMIUM SULFATE	0991	470-82-6	CINEOLE
1614	1306-23-6	CADMIUM SULFIDE	0209	104-55-2	CINNAMALDEHYDE
0036	58-08-2	CAFFEINE	1592	7700-17-6	CIODRIN
1911	9005-35-0	CALCIUM ALGINATE	0993	592-40-5	CITRAL
1433	7778-44-1	CALCIUM ARSENATE	0594	106-23-0	CITRONELLAL
0927	471-34-1	CALCIUM CARBONATE	0997	71-48-7	CCSALTOUS ACETATE
0996	26264-06-2	CALCIUM DODECYLENENZENESULFONATE	0998	7789-43-7	CCSALTOUS BROMIDE
0995	7789-75-5	CALCIUM FLUORIDE	0999	513-79-1	CCSALTOUS CARBONATE
0994	299-28-5	CALCIUM GLUCONATE	0057	108-75-8	COLLIDINE
0987	7789-79-9	CALCIUM HYDROPHOSPHITE	1973	9004-70-0	COLLOIDION
0986	7789-80-2	CALCIUM IODATE	1438	544-92-3	COPPER CYANIDE
0978	1319-91-1	CALCIUM IODOBENZOATE	0913	8001-29-4	COTTONSEED OIL
1615	1305-78-8	CALCIUM OXIDE	1623	91-64-5	COUMARIN
0962	7776-28-5	CALCIUM PHYTATE	0250	1319-77-3	CRESOL
0907	4075-81-4	CALCIUM PROPIONATE	1548	15096-52-3	CRYOLITE
1435	7790-76-3	CALCIUM PYROPHOSPHATE	0172	98-82-8	CUMENE
0961	9007-13-0	CALCIUM RESINATE	1947	8014-13-9	CUMIN OIL
0705	1344-95-2	CALCIUM SILICATE	2767	45650-15-5	CUPRIETHYLENEDIAMINE SOLUTION
0587	7492-55-9	CALCIUM SORBATE	1549	1317-39-1	CUPROUS OXIDE
0905	1592-23-0	CALCIUM STEARATE	2768	538-08-9	CYANAMIDE, DIALLYL
0902	7778-18-9	CALCIUM SULFATE	2769	105-56-6	CYANOACETIC ACID, ETHYL ESTER
1982		CALCIUM THIOGLYCOLLATE TRIHYDRATE	2850	68-19-9	CYANOCOBALAMIN
2507	10035-02-6	CALCIUM THIOSULFATE HEXAHYDRATE	2130	460-19-5	CYANOGEN
0900	79-92-5	CANFENE	0708	506-68-3	CYANOGEN BROMIDE
2181	56-25-7	CANTHARIDINE	0917	506-77-4	CYANOGEN CHLORIDE
0954	404-86-4	CAPSICINE	0059	291-64-5	CYCLOHEPTANE
0951	133-06-2	CAPTAN	0060	110-82-7	CYCLOHEXANE
1920	8028-89-5	CARAMEL COLOR	0061	108-93-0	CYCLOHEXANOL
2756	3747-48-6	CARBANILIC ACID 2 CHLOROETHYL ESTER	1624	110-83-8	CYCLOHEXENE
*2754	56961-11-6	CARBANILIC ACID, N-ETHYL-ISOPROPYL ESTE	2770	10108-56-2	CYCLOHEXYLAMINE, N-BUTYL

TDBN	REG NO	NAME	TDBN	REG NO	NAME
2771	5459-93-8	CYCLOHEXYLAMINE, N-ETHYL	1726	644-64-4	DIMETILAN
2079	121-62-4	CYCLONITE	1445	88-85-7	DINITROBUTYL PHENOL
0062	287-92-3	CYCLOPENTANE	0529	51-28-5	DINITROPHENOL, 2,4-
0812	75-19-4	CYCLOPROPANE	0365	84-76-4	DINONYL PHTHALATE
1577	2163-69-1	CYCLURON	1598	1420-07-1	DINOTERB
28	947-02-4	CYOLANE	0366	123-79-5	DIOCTYL ADIPATE
1642	533-74-4	DAZOMET	0367	957-51-7	DIPHENAMID
1625	72-55-9	DDE	0530	92-52-4	DIPHENYL
0267	91-17-8	DECAHYDRONAPHTHALENE	0934	101-84-8	DIPHENYL ETHER
0288	112-31-2	DECALDEHYDE	0370	1241-94-7	DIPHENYL-2-ETHYLHEXYL PHOSPHATE
0063	124-18-5	DECANE	2769	587-84-8	DIPHENYLAMINE SULFATE
0920	104-72-3	DECYLBENZENE	0371	503-38-8	OIPHOSGENE
1582	134-62-3	DEET	0935	7758-11-4	DIPOTASSIUM PHOSPHATE
2672	6190-65-4	DEETHYL ATRAZINE	2511	34590-94-8	DIPROPYLENE GLYCOL METHYL ETHER
0291	520-45-6	DEHYDROACETIC ACID	1700	85-00-7	DIQUAT DIBROMIDE
0292	713-95-1	DELTA-DODECALACTONE	0374	7782-95-8	DISODIUM DIHYDROGEN HYPOPHOSPHATE
0294	7782-39-0	DEUTERIUM	0375	144-33-2	DISODIUM HYDROGEN CITRATE
0295	140-56-7	DEXON	2790	3655-00-3	DISODIUM LAURIMINCOIPROPIONATE
0296	81-13-0	DEXPANTHENOL	0376	7558-79-4	DISODIUM PHOSPHATE
2772	94-17-7	DI-(P-CHLOROBENZOYL) PEROXIDE	0377	7758-16-9	DISODIUM PYROPHOSPHATE
2773	544-61-4	DI-ISO-AMYL ETHER	2791	1142-19-4	DISULFIDE-, BIS(P-CHLOROPHENYL)
2774	1220-00-4	DI-P-CHLOROPHENYLTHIOUREA	0379	298-04-4	DISULFOTON
0297	431-03-8	DIACETYL	0380	3689-24-5	DITHION
0298	110-22-5	DIACETYL PEROXIDE	0381	119-06-2	DITRIDECYL PHTHALATE
0300	3012-65-5	DIAMMONIUM CITRATE	0382	330-54-1	DIURON
0302	131-18-0	DIAMYL PHTHALATE	0936	151-41-7	DODECYL SULFATE
0303	333-41-5	DIAZINON	0386	27193-86-8	DODECYLPHENOL
2086	51-50-3	DIBENAMINE	0387	4484-72-4	DODECYLTRICHLOROSILANE
2163	132-64-9	DIBENZOFURAN	0389	2921-88-2	DURSSAN
2776	10024-74-5	DIBENZYLAMINE, ALPHA, ALPHA'-DIMETHYL	1717	944-22-9	DYPHCNATE
0520	1304-00-3	DIBCRANE	2150	316-42-7	EMETINE HYDROCHLORIDE
0921	502-56-7	DIBUTYL KETONE	0391	145-73-3	ENDOTHALL
2513	107-66-4	DIBUTYL PHOSPHATE	0059	106-89-8	EPICHLORHYDRIN
0311	1918-00-9	DICANSA	0394	759-94-4	EPTC
1576	97-17-6	DICHLOFENTHION	0395	57-87-4	ERGOSTEROL
0313	117-80-6	DICHLONE	1974	8007-27-0	ERIGERON OIL
2778	133-53-9	DICHLORO-M-XYLENOL	2831	109-59-1	ETHANOL, ISOPROPOXY
0317	563-43-9	DICHLOROGETHYLALUMINUM	0531	141-43-5	ETHANOLAMINE
006	75-09-2	DICHLOROMETHANE	0399	563-12-2	ETHION
157	120-36-5	DICHLOROPROP	0400	91-53-2	ETHOXYQUIN
1637	141-66-2	DICROTCFROS	0402	141-97-9	ETHYL ACETOACETATE
0320	80-43-3	DICUMYL PEROXIDE	0193	140-88-5	ETHYL ACRYLATE
0321	77-73-6	DICYCLOPENTADIENE	0404	67-25-2	ETHYL ANTHRANILATE
0924	111-42-2	DIETHANOLAMINE	0532	74-96-4	ETHYL BROMIDE
2779	143-00-0	DIETHANOLAMINE LAURYL SULFATE	0406	105-54-4	ETHYL BUTYRATE
0068	112-36-7	DIETHYL CARBITOL	0533	75-00-3	ETHYL CHLORIDE
0925	105-58-8	DIETHYL CARBONATE	0409	541-41-3	ETHYL CHLOROFORMATE
0070	60-29-7	DIETHYL ETHER	0943	109-94-4	ETHYL FORMATE
2131	95-92-1	DIETHYL OXALATE	0411	2642-71-9	ETHYL GUTHION
0926	84-66-2	DIETHYL PHTHALATE	0412	97-64-3	ETHYL LACTATE
0329	100-37-8	DIETHYLAMINOETHANOL	0814	75-08-1	ETHYL MERCAPTAN
2657	65-10-8	DIETHYLACRYLAMYL CHLORIDE	0414	540-67-0	ETHYL METHYL ETHER
0069	111-46-6	DIETHYLENE GLYCOL	0415	625-56-1	ETHYL NITRATE
0096	111-77-3	DIETHYLENE GLYCOL MONOMETHYL ETHER	0416	109-95-5	ETHYL NITRITE
0340	2425-06-1	DIFOLATAN	0417	1498-51-7	ETHYL PHOSPHORODICHLORIDATE
0344	3648-21-3	DIHEPTYL PHTHALATE	0534	78-10-4	ETHYL SILICATE
0527	108-83-8	DIISOSUTYL KETONE	0945	121-32-4	ETHYL VANILLIN
2783	27215-10-7	DIISOOCTYL ACID PHOSPHATE	2013	12075-68-2	ETHYLALUMINUM SESQUICHLORIDE
0588	27554-26-3	DIISOOCTYL PHTHALATE	0603	75-04-7	ETHYLAMINE
0931	108-18-9	DIISOPROPYL AMINE	0084	100-41-4	ETHYLENENE
0351	26762-93-6	DIISOPROPYLBENZENE HYDROPEROXIDE	0423	9004-57-3	ETHYLCELLULOSE
1443	26637-80-9	DIISOPROPYLBENZENE HYDROPEROXIDE	0168	74-85-1	ETHYLENE
0352	105-74-8	DILAURYL PEROXIDE	0426	107-07-3	ETHYLENE CHLOROHYDRIN
0353	123-28-4	DILAURYL THIODIACRYLONATE	0427	109-78-4	ETHYLENE CYANOHYDRIN
2110	1165-48-6	DIMEFLINE	0430	111-55-7	ETHYLENE GLYCOL DIACETATE
0933	124-40-3	DIMETHYL AMINE	0537	628-96-6	ETHYLENE GLYCOL DINITRATE
0354	115-10-6	DIMETHYL ETHER	0538	111-76-2	ETHYLENE GLYCOL MONO-N-BUTYL ETHER
2120		DIMETHYL GERMANIUM SULFIDE	0435	112-07-2	ETHYLENE GLYCOL MONOSUTYL ETHER ACETAT.
2785	112-75-4	DIMETHYL HYPISTAMINE	0054	110-80-5	ETHYLENE GLYCOL MONOETHYL ETHER
0363	1300-71-6	DIMETHYL PHENOL	0539	111-15-9	ETHYLENE GLYCOL MONOETHYL ETHER ACETAT.
0356	75-18-3	DIMETHYL SULFIDE	0170	75-21-8	ETHYLENE OXIDE
0358	1861-32-1	DIMETHYL TETRACHLOROTEREPHTHALATE	1643	96-45-7	ETHYLENE THIOUREA
0709	544-97-8	DIMETHYL ZINC	0535	107-15-3	ETHYLENEDIAMINE
2656	79-44-7	DIMETHYLACRYLAMYL CHLORIDE	0443	1125-27-5	ETHYLPHENYLDICHLOROSILANE
0361	75-78-5	DIMETHYLDICHLOROSILANE	0210	97-53-0	EUGENOL
0528	57-14-7	DIMETHYLHYDRAZINE, 1,1-	1712	1134-23-2	EUREX
0352	2999-74-8	DIMETHYLMAGNESIUM	0445	4602-84-0	FARNESOL

TDBN	REG NO	NAME	TDBN	REG NO	NAME
1932	8006-84-6	FENNEL OIL	1967	1338-16-5	IRON SORBITEX
1580	115-90-2	FENSULFOTHION	1818	123-92-2	ISOAMYL ACETATE
1783	900-95-8	FENTIN ACETATE	0584	89-65-6	ISOASCORBIC ACID
1784	76-87-9	FENTIN HYDROXIDE	1727	115-31-1	ISOBORNYL THIOCYANOACETATE
0448	16103-66-5	FERRIC ARSENATE, DIHYDRATE	0609	110-19-0	ISOBUTYL ACETATE
0449	7705-08-0	FERRIC CHLORIDE	0610	106-63-8	ISOBUTYL ACRYLATE
0450	7783-50-8	FERRIC FLUORIDE	0049	78-83-1	ISOBUTYL ALCOHOL
0451	10421-48-4	FERRIC NITRATE	0613	115-11-7	ISOBUTYLENE
0453	10045-86-0	FERRIC PHOSPHATE	0614	78-84-2	ISOBUTYRALDEHYDE
0454	10058-44-3	FERRIC PYROPHOSPHATE	1988	1321-89-7	ISODECALDEHYDE
0455	10045-87-1	FERRIC SODIUM PYROPHOSPHATE	0615	1330-61-6	ISODECYL ACRYLATE
0459	7758-94-3	FERROUS CHLORIDE	0616	25339-17-7	ISODECYL ALCOHOL
1721	2164-17-2	FLUOMETURON	0031	119-38-0	ISOLAN
1539	405-30-1	FLUORBENSIDE	1647	54-85-3	ISONICOTINIC ACID HYDRAZIDE
2082	144-49-0	FLUOROACETIC ACID	1969	26637-24-1	ISOCTALDEHYDE
2083	16872-11-0	FLUCROSORIC ACID	0618	78-78-4	ISOPENTANE
2018	16961-83-4	FLUOSILICIC ACID	0619	78-59-1	ISOPHORONE
0467	7789-21-1	FLUOSULFONIC ACID	2099	121-91-5	ISOPHTHALIC ACID
0088	75-12-7	FORMAMIDE	0620	78-79-5	ISOPRENE
1646	64-18-6	FORMIC ACID	0623	75-26-3	ISOPROPYL BROMIDE
0147	76-15-3	FREON 115	0625	75-33-2	ISOPROPYL MERCAPTAN
0141	75-63-8	FREON 13B1	0626	110-27-0	ISOPROPYL MYRISTATE
0526	7660-25-5	FRUCTOSE	0804	75-31-0	ISOPROPYLAMINE
0710	110-17-8	FUMARIC ACID	0628	590-86-3	ISOVALERALDEHYDE
0089	110-00-9	FURAN	0629	503-74-2	ISOVALERIC ACID
0542	98-01-1	FURFURAL	1948	8012-91-7	JUNIPER OIL
0711	98-00-0	FURFURYL ALCOHOL	0630	1332-58-7	KAOLIN
2115	552-86-3	FUROIN	0631	115-32-2	KELTHANE
2116	685-74-5	GALACTARIC ACID	0632	8008-20-6	KEROSENE
2117	149-91-7	GALLIC ACID	1430	56-84-8	L-ASPARTIC ACID
1902	9000-70-8	GELATIN	1810	71-00-1	L-HISTIDINE
1954		GENTIAN EXTRACT	1825	63-91-2	L-PHENYLALANINE
0484	106-24-1	GERANIOL	1817	8006-54-0	LANOLIN
0586	105-87-3	GERANYL ACETATE	0231	7439-92-1	LEAD
2118	7440-56-4	GERMANIUM	1648	7784-40-9	LEAD ARSENATE
2119	1310-53-8	GERMANIUM DIOXIDE	1991	13814-96-5	LEAD FLUOSORATE
0712	77-06-5	GIBBERELIC ACID	0636	10101-63-0	LEAD IODIDE
1419	3765-57-9	GLENBAR	0637	10099-74-8	LEAD NITRATE
0490	138-15-8	GLUTAMIC ACID HYDROCHLORIDE	0638	1317-36-8	LEAD OXIDE
0949	111-30-8	GLUTARALDEHYDE	0639	1314-87-0	LEAD SULFIDE
0492	56-81-5	GLYCERIN	0640	546-67-8	LEAD TETRAACETATE
0493	25496-72-4	GLYCEROL MONOLEATE	0641	592-87-0	LEAD THIOCYANATE
0494	106-91-2	GLYCIDYL METHACRYLATE	0642	26265-65-6	LEAD THIOSULFATE
0495	56-40-6	GLYCINE	0643	12737-98-3	LEAD TUNGSTATE
2123	107-16-4	GLYCOLONITRILE	1404	301-04-2	LEAD(+2) ACETATE
2124	1001-55-4	GLYCOLONITRILE ACETATE	1903	8002-43-5	LECITHIN
0496	1405-86-3	GLYCYRRHIZIN	1944	8008-56-8	LEMON OIL
0497	107-22-2	GLYOXAL	1517	112-56-1	LETHANE 384
2125	7440-57-5	GOLD	1959	8024-14-4	LIATRIX OIL
2127	73-40-5	GUANINE	1925	8008-94-4	LICORICE EXTRACT
1929	9000-05-9	GUM BENZOIN	0645	78-70-6	LINALYL ALCOHOL
1923	9000-29-7	GUM GUAIAIC	0647	7439-93-2	LITHIUM
0552	7440-58-6	HAFNIUM	1990		LITHIUM FERROSILICON
1723	116-16-5	HEXACHLOROACETONE	0651	7789-24-4	LITHIUM FLUORIDE
0224	70-30-4	HEXACHLOROPHENE	1750	14255-88-0	LOVOZAL
0557	5894-60-0	HEXADECYLTRICHLOROSILANE	0487	526-95-4	LUCONIC ACID
0558	757-58-4	HEXAETHYLTETRAPHOSPHATE	1815	108-39-4	M-CRESOL
0559	16940-81-1	HEXAFLUOROPHOSPHORIC ACID	2537	92-06-8	M-TERPHENYL
0189	124-09-4	HEXAMETHYLENE DIAMINE	2191	620-13-3	M-XYLYL BROMIDE
0091	110-54-3	HEXANE	1950	8007-12-3	MACE OIL
0565	111-27-3	HEXANOL	0211	546-93-0	MAGNESIUM CARBONATE
0543	591-78-6	HEXANONE-2	0713	557-04-0	MAGNESIUM STEARATE
2149	84-16-2	HEXESTROL	0664	7467-88-9	MAGNESIUM SULFATE
0567	121-54-0	HYAMINE 1622	0589	14987-04-3	MAGNESIUM TRISILICATE
0568	1399-80-0	HYAMINE 2389	0666	110-16-7	MALEIC ACID
0570	10035-10-6	HYDROPERMIC ACID	2523	109-77-3	MALONONITRILE
0545	7647-01-0	HYDROCHLORIC ACID	1941	8002-48-0	MALT EXTRACT
0546	7664-39-3	HYDROFLUORIC ACID	0550	7439-96-5	MANGANESE
0165	74-90-8	HYDROGEN CYANIDE	0790	598-62-9	MANGANESE CARBONATE
0547	7722-84-1	HYDROGEN PEROXIDE	2154	7773-01-5	MANGANESE CHLORIDE
0548	7783-07-5	HYDROGEN SELENIDE	2147	5968-88-7	MANGANESE CITRATE
0578	9004-62-0	HYDROXYETHYLCELLULOSE	1225	6485-39-8	MANGANESE GLUCONATE
1734	732-11-6	IMIDAN	1259	1344-43-0	MANGANOUS OXIDE
2008	8013-17-0	INVERT SUGAR	1738	93-65-2	MECOFROP
0034	7553-56-2	IODINE	0593	89-78-1	MENTHOL
1568	18181-70-9	IODOPHENOS	1268	89-80-5	MENTHONE
2156	5968-84-3	IRON CACODYLATE	0824	16409-45-3	MENTHYL ACETATE

TDBN	REG NO	NAME	TDBN	REG NO	NAME
1244	1600-27-7	MERCURIC ACETATE	1191	15643-02-4	NICKEL FORMATE
1175	10124-48-8	MERCURIC AMMONIUM CHLORIDE	1828	13462-90-3	NICKEL IODIDE
1174	583-15-3	MERCURIC BENZOATE	1829	13478-00-7	NICKEL NITRATE, HEXAHYDRATE
0033	7487-94-7	MERCURIC CHLORIDE	1190	13520-61-1	NICKEL PERCHLORATE, HEXAHYDRATE
1244	591-89-9	MERCURIC POTASSIUM CYANIDE	1572	50-65-7	NICLOSAMIDE
12	7783-33-7	MERCURIC POTASSIUM IODIDE	1261	2620-51-1	NICOTINE HYDROCHLORIDE
1224	592-85-8	MERCURIC THIOCYANATE	0806	65-31-6	NICOTINE TARTRATE
1223	12002-19-6	MERCUROL	1971	8005-03-6	NIGROSINE
1220	15385-57-6	MERCUROUS IODIDE	0789	4726-14-1	NITRALIN
1188	1312-03-4	MERCURY OXIDE SULFATE	1665	7697-37-2	NITRIC ACID
1014	15972-60-8	METACHLOR	0104	98-95-3	NITROBENZENE
2716	54-49-9	METARAMINOL	0105	79-24-3	NITROETHANE
0182	78-85-3	METHACROLEIN	1113	7783-54-2	NITROGEN TRIFLUORIDE
0167	74-82-8	METHANE	0849	2696-92-6	NITROSYL CHLORIDE
1701	144-21-8	METHAR	0504	10024-97-2	NITROUS OXIDE
0782	2032-65-7	METHIOCARB	0107	111-84-2	NONANE
1736	16752-77-5	METHOMYL	0756	27215-95-8	NONENE
1728	841-06-5	METHOPROTRYNE	1032	25154-52-3	NONYLPHENOL
2505	298-81-7	METHOXSALEN	2073	90-04-0	O-ANISIDINE
1173	72-43-5	METHOXYCHLOR	1813	95-48-7	O-CRESOL
0095	79-20-9	METHYL ACETATE	1627	119-90-4	O-DIANISIDINE
1083	105-45-3	METHYL ACETOACETATE	2538	84-15-1	O-TERPHENYL
0194	96-33-3	METHYL ACRYLATE	0134	95-47-6	O-XYLENE
2015	12263-85-3	METHYL ALUMINUM SESQUIBROMIDE	2192	89-92-9	O-XYLYL BROMIDE
0156	110-49-6	METHYL CELLOSOLVE ACETATE	1242	119-07-3	OCTYL DECYL PHTHALATE
0883	74-87-3	METHYL CHLORIDE	1955	8015-66-5	OIL ANGELICA
1116	79-22-1	METHYL CHLOROFORMATE	1938	8007-70-3	OIL OF ANISE SEED
1921	9004-59-5	METHYL ETHYL CELLULOSE	1946	8007-75-8	OIL OF BERGAMOT
0099	78-93-3	METHYL ETHYL KETONE	1945	8000-42-8	OIL OF CARAWAY
1171	86-50-0	METHYL GUTHION	1936	8007-80-5	OIL OF CINNAMON
0148	108-10-1	METHYL ISOBUTYL KETONE	1934	8008-57-9	OIL OF CRANGE
1165	624-83-9	METHYL ISOCYANATE	1926	8006-87-9	OIL OF SANDALWOOD
1164	814-78-8	METHYL ISOPROPENYL KETONE	1935	119-36-8	OIL OF WINTERGREEN
1163	75-16-1	METHYL MAGNESIUM BROMIDE	2145	1229-55-6	OIL PINK
0813	74-93-1	METHYL MERCAPTAN	1240	112-80-1	OLEIC ACID
1143	1321-94-4	METHYL NAPHTHALENE	1236	6014-95-7	OLEUM
0158	107-87-9	METHYL PROPYL KETONE	1187	7664-38-2	ORTHOPHOSPHORIC ACID
1207	137-05-3	METHYL 2-CYANOACRYLATE	1100	144-62-7	OXALIC ACID
081	74-89-5	METHYLAMINE	1718	301-12-2	OXYDEMETON-METHYL
087	96-37-7	METHYLCYCLOPENTANE	2182	50-56-6	OXYTOCIN
1167	75-54-7	METHYLDICHLOROSILANE	2198	94-12-2	P-AMINOENZOIC ACID, PROPYL ESTER
1184	99-76-3	METHYLPARASEN	2139	61-78-9	P-AMINOSHIPPURIC ACID
0840	75-79-6	METHYLTRICHLOROSILANE	2151	51-78-5	P-AMINOPHENOLCHLOROXYDRATE
0777	7786-34-7	MEVINPHOS	1603	104-94-9	P-ANISIDINE
2539	12001-26-2	MICA	1814	106-44-5	P-CRESOL
1922	8012-95-1	MINERAL OIL	1666	100-00-5	P-NITROCHLOROBENZENE
1659	2385-85-5	MIREX	2025	80-48-8	P-TOLUENE SULFONIC ACID, METHYL ESTER
1715	13194-48-4	MOCAP	2026	104-15-4	P-TOLUENESULFONIC ACID
0873	2212-67-1	MOLINATE	2193	104-81-4	P-XYLYL BROMIDE
1661	1313-27-5	MOLYBDENUM TRIOXIDE	1976	8049-47-6	PANCREATIN
1593	10265-92-6	MONITOR	1668	4685-14-7	PARAGUAT
1229	7722-76-1	MONOAMMONIUM PHOSPHATE	1966	8057-62-3	PASSION FLOWER EXTRACTS
1136	13537-32-1	MONOFLUOROPHOSPHORIC ACID	0856	1114-71-2	PEBULATE
0580	142-47-2	MONOSODIUM GLUTAMATE	0774	19624-22-7	PENTABORANE
0102	110-91-8	MORPHOLINE	1749	82-68-8	PENTACHLORONITROBENZENE
1219	541-91-3	MUSKONE	0851	110-62-3	PENTANAL
1258	123-35-3	MYCENE	0109	109-66-0	PENTANE
1644	100-74-3	N-ETHYLMORPHOLINE	1961	8006-82-4	PEPPER OIL
2113	53-94-1	N-FLUCRENE-2-YL-HYDROXYLAMINE	1900	8006-90-4	PEPPERMINT OIL
0094	79-16-3	N-METHYLACETAMIDE	1106	79-21-0	PERACETIC ACID
1667	62-75-9	N-NITROSDIMETHYLAMINE	1140	7601-90-3	PERCHLORIC ACID
0161	109-60-4	N-FROPYL ACETATE	1138	8009-03-8	PETROLATUM
2172	100-92-5	N, ALPHA, ALPHA-TRIMETHYLPHENETHYLAMINE	2166	85-01-8	PHENANTHRENE
0074	127-19-5	N,N-DIMETHYLACETAMIDE	0113	108-95-2	PHENOL
1639	121-69-7	N,N-DIMETHYLANILINE	1708	2597-03-7	PHENTHOATE
0078	68-12-2	N,N-DIMETHYLFORMAMIDE	1177	93-55-0	PHENYL ETHYL KETONE
1108	122-39-4	N,N-DIPHENYLAMINE	1039	98-13-5	PHENYLTRICHLOROSILANE
1170	142-59-6	NASAM	1754	13171-21-6	PHOSPHAMIDON
1148	300-76-5	NALED	1166	7789-59-5	PHOSPHOROUS OXYBROMIDE
0184	91-20-3	NAPHTHALENE	0784	10025-87-3	PHOSPHOROUS OXYCHLORIDE
1178	1338-24-5	NAPHTHENIC ACID	1254	7647-19-0	PHOSPHORUS PENTAFLUORIDE
1751	1754-58-1	NELLITE	0847	1314-56-3	PHOSPHORUS PENTOXIDE
0110	463-82-1	NEO-PENTANE	1257	1314-85-8	PHOSPHORUS SESQUISULFIDE
0107	75-84-3	NEO-PENTYL ALCOHOL	1251	1314-80-3	PHOSPHORUS SULFIDE
	7785-20-8	NICKEL AMMONIUM SULFATE HEXAHYDRATE	1093	110-85-0	PIPERAZINE
	3333-67-3	NICKEL CARBONATE	1182	142-64-3	PIPERAZINE HYDROCHLORIDE
	557-19-7	NICKEL CYANIDE	0114	110-89-4	PIPERIDINE

TDBN	REG NO	NAME	TDBN	REG NO	NAME
0581	120-57-0	PIPERONAL	0731	124-65-2	SODIUM CACODYLATE
1782	13121-70-5	PLICTRAN	0732	7775-09-9	SODIUM CHLORATE
1189	26062-94-2	POLY(1,4-BUTYLENE TEREPHTHALATE)	0733	7758-19-2	SODIUM CHLORITE
1062	9003-05-8	POLYACRYLAMIDE	0736	126-96-5	SODIUM DIACETATE
1091	9010-98-4	POLYCHLOROPHENE	0738	7558-80-7	SODIUM DIHYDROGEN PHOSPHATE
1927	9004-99-3	POLYETHYLENE GLYCOL STEARATE	0740	25155-30-0	SODIUM DODECYLBENZENE SULFONATE
1260	9003-27-4	POLYISOBUTYLENE	0385	12068-21-2	SODIUM DODECYLBENZENESULFONATE
0747	9003-31-0	POLYISOPRENE	0742	13601-19-9	SODIUM FERROCYANIDE
1931	9003-73-0	POLYLIMONENE	0744	141-53-7	SODIUM FORMATE
2011	9016-87-9	POLYMETHYLENE POLYPHENYL ISOCYANATE	0746	7775-14-6	SODIUM HYDROSULFITE
1928	9005-66-7	POLYOXYETHYLENE SCRBITAN MONOPALMITATE	0229	1310-73-2	SODIUM HYDROXIDE
1176	8017-16-1	FOLYPHOSPHORIC ACID	0749	7681-55-2	SODIUM IODATE
1069	9003-07-0	POLYPROPYLENE	1315	151-21-3	SODIUM LAURYL SULFATE
1266	25322-69-4	POLYPROPYLENE GLYCOL	0752	9004-82-4	SODIUM LAURYL SULFATE ETHOXYLATE
1250	9003-20-7	POLYVINYL ACETATE	0753	6834-92-0	SODIUM METASILICATE
0205	9003-39-8	POLYVINYLPIRROLIDONE	0755	124-41-4	SODIUM METHOXIDE
1939	8002-11-7	FOPPY SEED OIL	1767	137-42-8	SODIUM METHYLDITHIOCARBAMATE
1264	866-14-4	POTASSIUM ACID TARTRATE	0726	7631-99-4	SODIUM NITRATE
1912	9005-36-1	POTASSIUM ALGINATE	0758	143-19-1	SODIUM OLEATE
1235	7764-41-0	POTASSIUM ARSENATE	0759	408-35-5	SODIUM PALMITATE
1263	7773-03-7	POTASSIUM BISULFITE	0760	867-81-2	SODIUM PANTOTHENATE
1253	7758-01-2	POTASSIUM BROMATE	1918	9005-59-8	SODIUM PECTINATE
1262	584-08-7	POTASSIUM CARBONATE	0762	10101-50-5	SODIUM PERMANGANATE
1252	7447-40-7	POTASSIUM CHLORIDE	0763	1313-60-6	SODIUM PEROXIDE
1249	7769-00-6	POTASSIUM CHROMATE	0764	1344-06-5	SODIUM PHOSPHOALUMINATE
1239	7758-04-5	POTASSIUM CYCLAMATE	0765	304-59-6	SODIUM POTASSIUM TARTRATE
1238	7778-50-9	POTASSIUM DICHROMATE	0766	137-40-6	SODIUM PROPIONATE
1997	41638-09-9	POTASSIUM DINITROBENZFUROXAN	0767	128-44-9	SODIUM SACCHARIN
1232	1335-34-8	POTASSIUM GLYCEROPHOSPHATE	0768	10102-18-8	SODIUM SELENITE
1228	7782-87-8	POTASSIUM HYPOPHOSPHITE	0769	533-96-0	SODIUM SESQUICARBONATE
1222	7778-74-7	POTASSIUM PERCHLORATE	0771	7757-81-5	SODIUM SORBATE
2020	17014-71-0	POTASSIUM PEROXIDE	0773	13396-41-3	SODIUM TETRAMETAPHOSPHATE
1230	590-00-1	POTASSIUM SORBATE	0775	26248-24-8	SODIUM TRIDECYLBENZENE SULFONATE
1210	147-85-3	PROLINE	0776	1300-72-7	SODIUM XYLENESULFONATE
1554	31677-55-2	PROMECARB	2522	136-78-7	SODIUM 2,4-DICHLOROPHENOXYETHYL SULFAT
1519	1610-18-0	PROMETONE	0778	1338-41-6	SORBITAN MONOSTEARATE
1672	74-98-6	PROPANE	1956	6022-22-8	SPIKENARD OIL
1226	709-98-8	PROPANID	0781	7646-78-8	STANNIC CHLORIDE
1400	139-40-2	PROPAZINE	0582	7772-99-8	STANNOUS CHLORIDE
1215	123-62-6	PROPIONIC ANHYDRIDE	0723	124-26-5	STEARIC ACID AMIDE
0117	107-12-0	PROPIONITRILE	1302	9000-36-6	STERCULTA GUM
1037	107-03-9	PROPYL MERCAPTAN	1996	10378-46-0	STRONTIUM ARSENITE
0175	115-07-1	PROPYLENE	0786	7791-10-8	STRONTIUM CHLORATE
1907	9005-37-2	PROPYLENE GLYCOL ALGINATE	0788	1314-18-7	STRONTIUM PEROXIDE
0173	75-56-9	PROPYLENE OXIDE	0791	110-15-6	SUCCINIC ACID
0203	94-13-3	PROPYLPARABEN	1769	1596-84-5	SUCCINIC ACID, 2,2-DIMETHYLHYDRAZIDE
1759	1698-60-8	PYRAZON	0792	108-30-5	SUCCINIC ANHYDRIDE
0118	110-86-1	PYRIDINE	0793	123-23-9	SUCCINOYL PEROXIDE
1203	7791-27-7	PYROSULFURYL CHLORIDE	0223	63-74-1	SULFANILAMIDE
0119	109-97-7	PYRROLE	0122	126-33-0	SULFOLANE
2171	1393-03-9	QUILLAJA SAPONIN	0228	7446-09-5	SULFUR DIOXIDE
1560	93-71-0	RANDOX	0625	2551-62-4	SULFUR HEXAFLUORIDE
1963	9001-98-3	RENNIN	0627	7791-25-5	SULFURYL CHLORIDE
2087	141-64-4	RHODANINE	0828	2699-79-8	SULFURYL FLUORIDE
2534	7440-16-6	RHODIUM	1590	122-14-5	SUMTHION
1547	299-86-5	RUELENE	1540	470-90-6	SUPONA
1940	8030-89-5	RUM ETHER	1594	950-37-8	SUPRACIDE
0669	81-07-2	SACCHARIN	0201	8065-48-3	SYSTOX
1949	8022-19-3	SAFFRON OIL	1937	8008-31-9	TANGERINE OIL
0721	90-02-8	SALICYLALDEHYDE	2533	7440-25-7	TANTALUM
0227	65-45-2	SALICYLAMIDE	0832	81-24-3	TAUROCHOLIC ACID
1978	8016-68-0	SAVCRY OIL	1772	117-16-0	TECNAZENE
1744	152-16-9	SCHRADAN	0833	9002-84-0	TEFLON
0673	105-46-4	SEC-BUTYL ACETATE	2532	13494-80-9	TELLURIUM
0674	78-92-2	SEC-BUTYL ALCOHOL	2535	7783-80-4	TELLURIUM FLUORIDE
2197	78-76-2	SEC-BUTYL BROMIDE	0834	100-21-0	TEREPHTHALIC ACID
1610	513-53-1	SEC-BUTYL MERCAPTAN	1709	2593-15-9	TERRAZOLE
0677	12640-89-0	SELENIUM DIOXIDE	0635	540-86-5	TERT-BUTYL ACETATE
0676	7783-79-1	SELENIUM HEXAFLUORIDE	0050	75-65-0	TERT-BUTYL ALCOHOL
0678	7791-23-3	SELENIUM OXYCHLORIDE	0837	75-91-2	TERT-BUTYL HYDROPEROXIDE
1764	1982-49-6	SIDURON	1611	75-66-1	TERT-BUTYL MERCAPTAN
0688	127-09-3	SODIUM ACETATE	0838	1948-33-0	TERTIARYBUTYLHYDROQUINONE
1509	9005-38-3	SODIUM ALGINATE	0839	5593-70-4	TETRAEUTYL TITANATE
0690	13770-96-2	SODIUM ALUMINUM HYDRIDE	0123	79-34-5	TETRACHLOROETHANE
0491	7785-83-8	SODIUM ALUMINUM PHOSPHATE	1773	116-29-0	TETRADIFON
0492	7762-92-5	SODIUM AMIDE	0842	107-49-3	TETRAETHYL PYROPHOSPHATE
1475	7778-43-0	SODIUM ARSENATE	0843	112-60-7	TETRAETHYLENE GLYCOL

TDBN	REG NO	NAME	TDBN	REG NO	NAME
0844	116-14-3	TETRAFLUOROETHYLENE	0212	557-05-1	ZINC STEARATE
0125	109-99-9	TETRAHYDROFURAN	1064	122-48-5	ZINGERONE
0846	85-43-8	TETRAHYDROFURALIC ANHYDRIDE	2528	7440-67-7	ZIRCONIUM
0126	142-68-7	TETRAHYDROPYRAN	2529	7585-20-8	ZIRCONIUM ACETATE
0848	546-68-9	TETRAISOPROPYL TITANATE	0730	7699-43-6	ZIRCONIUM OXYCHLORIDE
01	119-64-2	TETRALIN	1994		ZIRCONIUM PICRAMATE
01	632-22-4	TETRAMETHYLUREA	2019	16923-95-8	ZIRCONIUM POTASSIUM FLUORIDE
0852	509-14-8	TETRANITROMETHANE	2530	14644-61-2	ZIRCONIUM SULFATE
0854	7722-88-5	TETRASODIUM PYROPHOSPHATE	2531	10026-11-6	ZIRCONIUM TETRACHLORIDE
0858	111-17-1	THIODIPROPIONIC ACID	1068	106-94-5	1-ERCMOPROPANE
0859	7719-09-7	THIONYL CHLORIDE	0179	106-98-9	1-EUTENE
0130	110-02-1	THIOPHENE	1070	78-95-5	1-CHLORO-2-PROPANONE
0861	463-71-8	THIOPHOSGENE	1072	112-30-1	1-DECANOL
0862	3982-91-0	THIOPHOSPHORYL CHLORIDE	1073	872-05-9	1-DECENE
1761	93-75-4	THIOQUINOX	1074	112-55-0	1-DODECANETHIOL
1401	62-56-6	THIOUREA	1075	112-53-8	1-DODECANOL
0867	552-22-7	THYMOL IODIDE	1076	112-41-4	1-DODECENE
0868	7440-32-6	TITANIUM	1077	111-70-6	1-HEPTANOL
0869	13463-67-7	TITANIUM DIOXIDE	1078	592-76-7	1-HEPTENE
0874	584-84-9	TOLUENE 2,4-DIISOCYANATE	1079	592-41-6	1-HEXENE
2849	95-80-7	TOLUENE-2,4-DIAMINE	1958	81-48-1	1-HYDROXY-4-(P-TOLUIDINO) ANTHRAQUINO
1915	9000-65-1	TRAGACANTH GUM	2162	2381-21-7	1-METHYL PYRENE
2041	507-42-6	TRIEROHOACETALDEHYDE HYDRATE	1080	134-32-7	1-NAPHTHYLAMINE
2517	75-25-2	TRIBROMOMETHANE	2526	178-03-2	1-NITROPROPANE
1678	126-73-8	TRIBUTYL PHOSPHATE	1081	124-11-8	1-NCNENE
0877	102-82-9	TRIBUTYLAMINE	1082	172-92-5	1-OCTADECANOL
0878	60-01-5	TRIEUTYRIN	0700	111-87-5	1-OCTANOL
0880	12168-85-3	TRICALCIUM SILICATE	1084	111-66-0	1-OCTENE
0882	12002-48-1	TRICHLOROBENZENE	1085	7757-96-2	1-OCTENYL SUCCINIC ANHYDRIDE
0133	79-01-6	TRICHLOROETHYLENE	1086	109-67-1	1-PENTENE
0884	115-21-9	TRICHLOROETHYLSILICANE	2508	74-99-7	1-FROPYNE
0886	594-42-3	TRICHLOROMETHANESULFENYL CHLORIDE	1087	1120-36-1	1-TETRADECENE
1719	327-98-0	TRICHLORONATE	1088	2437-56-1	1-TRIDECENE
0887	107-72-2	TRICHLOROPENTYLSILANE	1089	112-42-5	1-UNDECANOL
0889	141-57-1	TRICHLOROPROPYLSILANE	1090	821-95-4	1-UNDECENE
0892	26248-42-0	TRIDECANOL	1097	123-77-3	1,1-AZOBIS(FORMAMIDE)
0895	122-52-1	TRIETHYL PHOSPHITE	0064	75-34-3	1,1-DICHLOROETHANE
0897	97-94-9	TRIETHYLBORON	0157	71-55-6	1,1,1-TRICHLOROETHANE
1007	112-24-3	TRIETHYLENETETRAMINE	1092	76-11-9	1,1,1,2-TETRACHLORO-2,2-DIFLUOROETHANE
100	100-99-2	TRISOBUTYLALUMINUM	1507	584-03-2	1,2-BUTANEDIOL (DL)
1005	7757-87-1	TRIMAGNESIUM PHOSPHATE	1629	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE
1006	149-73-5	TRIMETHYL ORTHOFORMATE	0521	95-50-1	1,2-DICHLOROBENZENE
1007	121-45-9	TRIMETHYL PHOSPHITE	0149	540-59-0	1,2-DICHLOROETHYLENE
1009	75-77-4	TRIMETHYLCHLOROSILANE	1103	147-47-7	1,2-DIHYDRO-2,2,4-TRIMETHYLQUINOLINE
1010	129-66-8	TRINITROBENZOIC ACID	0073	110-71-4	1,2-DIMETHOXYETHANE
2536	115-86-6	TRIPHENYL PHOSPHATE	2036	524-42-5	1,2-NAPHTHOQUINONE
2098	603-34-9	TRIPHENYLAMINE	1502	87-61-6	1,2,3-TRICHLOROBENZENE
1248	6100-05-6	TRIPOTASSIUM CITRATE MONOHYDRATE	1105	120-82-1	1,2,4-TRICHLOROBENZENE
2097	102-69-2	TRIPROPYLAMINE	★2540	3944-87-4	1,3-BIS-O(ETHYLSULFONYL)-1,2-DICHLORO
1012	6132-04-3	TRISODIUM CITRATE DIHYDRATE	2514	542-92-7	1,3-CYCLOPENTADIENE
1013	5064-31-3	TRISODIUM NITRILOTRIACETATE	0132	108-70-3	1,3,5-TRICHLOROBENZENE
0583	7601-54-9	TRISODIUM PHOSPHATE	0523	106-46-7	1,4-DICHLOROBENZENE
1015	7775-50-0	TRISTEARYL CITRATE	2104	622-08-2	2-(BENZYLOXY) ETHANOL
0204	8006-64-2	TURFENTINE	2042	95-53-4	2-AMINOTOLUENE
2132	51-67-2	TYRAMINE	1411	587-65-5	2-CHLORO-N-PHENYL-ACETAMIDE
1017	541-09-3	URANYL ACETATE	2059	615-65-6	2-CHLORO-P-TOLUIDINE
1021	124-47-0	UREA NITRATE	2114	3003-84-7	2-CHLOROMETHYL TETRAHYDROFURAN
1027	121-33-5	VANILLIN	1415	95-57-8	2-CHLOROPHENOL
1028	1929-77-7	VERNOLATE	1120	645-62-5	2-ETHYL-3-PROPYLACROLEIN
0190	108-05-4	VINYL ACETATE	2668	103-09-3	2-ETHYLHEXYL ACETIC ACID ESTER
1033	107-25-5	VINYL METHYL ETHER	1121	103-11-7	2-ETHYLHEXYL ACRYLATE
2029	1115-15-7	VINYL SULFOXIDE	1122	110-43-0	2-HEPTANONE
1035	25013-15-4	VINYLTOLUENE	1123	818-61-1	2-HYDROXYETHYL ACRYLATE
0817	83-88-5	VITAMIN B2	1124	116-11-0	2-METHOXYPROPENE
0820	67-97-0	VITAMIN D3	1125	107-83-5	2-METHYL PENTANE
1532	5234-68-4	VITAVAX	1126	107-41-5	2-METHYL-2,4-PENTANEDIOL
1041	85-84-7	YELLOW AB	1128	109-83-1	2-METHYLAMINOETHANOL
1042	315-18-4	ZECTRAN	2161	3442-78-2	2-METHYLPYRENE
1044	7783-24-6	ZINC AMMONIUM SULFATE HEXAHYDRATE	0101	109-06-8	2-METHYLPYRIDINE
1045	7789-13-1	ZINC BICROMATE	2111	607-57-8	2-NITRO-9H-FLUORENE
1048	3486-35-9	ZINC CAPRONATE	1132	88-74-4	2-NITROANILINE
1049	10361-95-2	ZINC CHLORATE	1133	88-75-5	2-NITROPHENOL
2016		ZINC DIALKYLDIITHIOPHOSPHATE	1134	79-46-9	2-NITROPROP.
1052	7783-49-5	ZINC FLUORIDE	2063	674-82-8	2-OXETANONE, 4-METHYLENE-
1053	557-41-5	ZINC FORMATE	2022	137-06-4	2-THIOCREOSOL
1054	4468-02-4	ZINC GLUCONATE	0075	75-83-2	2,2-DIMETHYLBUTANE
1055	7779-86-4	ZINC HYDROSULFITE	1136	144-19-4	2,2,4-TRIMETHYL-1,3-PENTANEDIOL

TDBN	REG NO	NAME
1157	120-78-5	2,2'-BIS(BENZOTHAZOLYL) DISULFIDE
1505	513-85-9	2,3-BUTANEDIOL
0076	79-29-8	2,3-DIMETHYLBUTANE
2091	87-59-2	2,3-XYLIDINE
1633	94-80-4	2,4-D-EUTYL ESTER
1139	120-83-2	2,4-DICHLOROPHENOL
1144	121-14-2	2,4-DINITROTOLUENE
2092	95-68-1	2,4-XYLIDINE
1145	93-76-5	2,4,5-TRICHLOROPHENOXYACETIC ACID
2040	88-89-1	2,4,6-TRINITROPHENOL
2093	95-78-3	2,5-XYLIDINE
1147	128-37-0	2,6-DI-TERT-BUTYLCRESOL
1570	99-30-9	2,6-DICHLORO-4-NITROANILINE
2094	87-62-7	2,6-XYLIDINE
2160	15679-24-0	2,7-DIMETHYL PYRENE
2043	108-44-1	3-AMINOTOLUENE
1149	563-47-3	3-CHLORO-2-METHYL-1-PROPENE
2046	108-42-9	3-CHLOROANILINE
1413	108-43-0	3-CHLOROPHENOL
2053	107-94-8	3-CHLOROPROPIONIC ACID
2023	108-40-7	3-THIOCRESOL
1632	91-94-1	3,3'-DICHLOROBENZIDINE
2095	95-64-7	3,4-XYLIDINE
2096	108-69-0	3,5-XYLIDINE
1409	568-07-8	3'-CHLOROACETANILIDE
1151	1918-02-1	4-AMINO-3,5,6-TRICHLOROPICOLINIC ACID
2044	106-49-0	4-AMINOTOLUENE
2061	95-69-2	4-CHLORO-O-TOLUIDINE
1414	106-48-9	4-CHLOROPHENOL
2054	80-33-6	4-CHLOROPHENYL BENZENESULFONATE
2055	80-33-1	4-CHLOROPHENYL 4-CHLOROBENZENESULFONATE
1152	123-42-2	4-HYDROXY-4-METHYL-2-PENTANONE
1153	107-70-0	4-METHOXY-4-METHYL-2-PENTANONE
1156	100-01-6	4-NITROANILINE
1158	99-99-0	4-NITROTOLUENE
2024	106-45-6	4-THIOCRESOL
0513	80-05-7	4,4'-ISOPROPYLIDENEDIPHENOL
2541	101-77-9	4,4'-DIAMINODIPHENYLMETHANE
1410	539-03-7	4'-CHLOROACETANILIDE
2068	99-91-2	4'-CHLOROACETOPHENONE
2062	95-79-4	5-CHLORO-O-TOLUIDINE
1160	16219-75-3	5-ETHYLIDENE-2-NORBORNENE
1983	21248-00-0	6-BROMOBENZOPYRENE
2725	57-97-6	7,12-DIMETHYLBENZANTHRACENE

SUBSTANCES WITH COMPLETED RECORDS IN THE TOXICOLOGY DATA BANK (TDB)
CAS REGISTRY NUMBER ORDER

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TDBN	REG NO	NAME	TDBN	REG NO	NAME
2120		DIMETHYL GERMANIUM SULFIDE	0064	75-34-3	1,1-DICHLOROETHANE
2016		ZINC DIALKYL DITHIOPHOSPHATE	0662	75-36-5	ACETYL CHLORIDE
1994		ZIRCONIUM PICRAMATE	1167	75-54-7	METHYLDICHLOROSILANE
1990		LITHIUM FERROSILICON	0173	75-56-9	PROPYLENE OXIDE
19		CALCIUM THIOGLYCOLLATE TRIHYDRATE	0141	75-63-8	FPEON 13B1
1954		GENTIAN EXTRACT	0050	75-65-0	TERT-BUTYL ALCOHOL
1953		BONESET EXTRACT	1611	75-66-1	TERT-BUTYL MERCAPTAN
2182	50-56-6	OXYTOCIN	1009	75-77-4	TRIMETHYLDICHLOROSILANE
1572	50-65-7	NICLOSAMIDE	0361	75-78-5	DIMETHYLDICHLOROSILANE
0529	51-28-5	DINITROPHENOL, 2,4-	0840	75-79-6	METHYLTRICHLOROSILANE
2086	51-50-3	DIBENAMINE	0075	75-83-2	2,2-DIMETHYLEUTANE
2132	51-67-2	TYRAMINE	0103	75-84-3	NEO-PENTYL ALCOHOL
2151	51-78-5	P-AMINOPHENOLCHLOROHYDRATE	0837	75-91-2	TERT-BUTYL HYDROPEROXIDE
2113	53-94-1	N-FLUCRENE-2-YL-HYDROXYLAMINE	1092	76-11-9	1,1,1,2-TETRACHLORO-2,2-DIFLUOROETHAN
2057	54-05-7	CHLOROQUINE	0147	76-15-3	FREON 115
2716	54-49-9	METARAMINOL	1784	76-87-9	FENTIN HYDROXIDE
1647	54-85-3	ISONICOTINIC ACID HYDRAZIDE	0712	77-00-5	GIBBERELIC ACID
2181	56-25-7	CANTHARIDINE	0321	77-73-6	DICYCLOPENTADIENE
0495	56-40-6	GLYCINE	0656	77-90-7	ACETYL TRIBUTYL CITRATE
0492	56-81-5	GLYCERIN	0534	78-10-4	ETHYL SILICATE
1430	56-84-8	L-ASPARTIC ACID	0619	78-59-1	ISOPROPONE
0617	57-06-7	ALLYL ISOTHIOCYANATE	0645	78-70-6	LINALYL ALCOHOL
0528	57-14-7	DIMETHYLHYDRAZINE, 1,1-	2197	78-76-2	SEC-BUTYL BROMIDE
0811	57-57-8	BETA-PROPIOLACTONE	0618	78-78-4	ISOPENTANE
0395	57-87-4	ERGOSTEROL	0620	78-79-5	ISOPRENE
2725	57-97-6	7,12-DIMETHYLBENZANTHRACENE	0049	78-83-1	ISOBUTYL ALCOHOL
0036	58-08-2	CAFFEINE	0614	78-84-2	ISOBUTYRALDEHYDE
0878	60-01-5	TRIBUTYRIN	018	78-85-3	METHACROLEIN
0070	60-29-7	DIETHYL ETHER	0674	78-92-2	SEC-BUTYL ALCOHOL
2139	61-78-9	P-AMINOCIPPURIC ACID	0000	78-93-3	METHYL ETHYL KETONE
1401	62-56-6	THIOUPEA	1070	78-95-5	1-CHLORO-2-PROPANONE
1667	62-75-9	N-NITROSODIMETHYLAMINE	0133	79-01-6	TRICHLOROETHYLENE
0952	63-25-2	CAPBARYL	0973	79-04-9	CHLOROACETYL CHLORIDE
0223	63-74-1	SULFANILAMIDE	0191	79-06-1	ACRYLAMIDE
1825	63-91-2	L-PHENYLALANINE	0094	79-16-3	N-METHYLACETAMIDE
1646	64-18-6	FOPMIC ACID	0095	79-20-9	METHYL ACETATE
0806	65-31-6	NICOTINE TARTRATE	1106	79-21-0	PERACETIC ACID
0227	65-45-2	SALICYLAMIDE	1116	79-22-1	METHYL CHLOROFORMATE
0984	67-48-1	CHOLINE CHLORIDE	0105	79-24-3	NITROETHANE
0041	67-64-1	ACETONE	0076	79-29-8	2,3-DIMETHYLBUTANE
0056	67-66-3	CHLOROFORM	0123	79-34-5	TETRACHLOROETHANE
0820	67-97-0	VITAMIN D3	2656	79-44-7	DIMETHYL CARBAZOYL CHLORIDE
2702	68-11-1	ACETIC ACID, MERCAPTO	1134	79-46-9	2-NITROPROPANE
0078	68-12-2	N,N-DIMETHYLFORMAMIDE	0900	79-92-5	CAMPHENE
2850	68-19-9	CYANOCCBALAMIN	0513	80-05-7	4,4'-ISOPROPYLIDENEDIPHENOL
0224	70-30-4	HEXACHLOROPHENE	2055	80-33-1	4-CHLOROPHENYL 4-CHLOROBENZENESULFONATE
1810	71-00-1	L-HISTIDINE	2054	80-38-6	4-CHLOROPHENYL BENZENESULFONATE
0997	71-48-7	COBALTOUS ACETATE	0320	80-43-3	DICUMYL PEROXIDE
0157	71-55-6	1,1,1-TRICHLOROETHANE	2025	80-48-8	P-TOLUENE SULFONIC ACID, METHYL ESTER
1173	72-43-5	METHOXYCHLOR	0720	80-56-8	ALPHA-PINENE
1625	72-55-9	DDE	0660	81-07-2	SACCHARIN
2127	73-40-5	GUANINE	0296	81-13-0	DEXPANTHENOL
0167	74-82-8	METHANE	0832	81-24-3	TAUROCHOLIC ACID
0168	74-85-1	ETHYLENE	0982	81-25-4	CHOLIC ACID
0166	74-86-2	ACETYLENE	1958	81-48-1	1-HYDROXY-4-(P-TOLUIDINO) ANTHRAQUINON
0883	74-87-3	METHYL CHLORIDE	1749	82-68-8	PENTACHLORONITROBENZENE
0810	74-89-5	METHYLAMINE	2659	83-32-9	ACENAPHTHENE
0165	74-90-8	HYDROGEN CYANIDE	0817	83-88-5	VITAMIN B2
0813	74-93-1	METHYL MERCAPTAN	2538	84-15-1	O-TERPHENYL
0532	74-96-4	ETHYL BROMIDE	2149	84-16-2	HEXESTROL
1672	74-98-6	PROPANE	0926	84-66-2	DIETHYL PHTHALATE
2508	74-99-7	1-PROPENE	0365	84-76-4	DICYNYL PHTHALATE
0533	75-00-3	ETHYL CHLORIDE	1700	85-00-7	DIQUAT DIBROMIDE
0803	75-04-7	ETHYLAMINE	2166	85-01-8	PHENANTHRENE
0230	75-07-0	ACETALDEHYDE	2765	85-19-8	CHLOROXYDROXY BENZOPHENONE
0814	75-08-1	ETHYL MERCAPTAN	0846	85-43-8	TETRAHYDROPHthalic ANHYDRIDE
0066	75-09-2	DICHLOROMETHANE	0284	85-70-1	BUTYLPHENYL BUTYL GLYCOLATE
0088	75-12-7	FORMAMIDE	1041	85-84-7	YELLOW AB
0052	75-15-0	CARBON DISULFIDE	1171	86-50-0	METHYL GUTHION
1163	75-16-1	METHYL MAGNESIUM BROMIDE	0404	87-25-2	ETHYL ANTHRANILATE
0356	75-18-3	DIMETHYL SULFIDE	2091	87-59-2	2,3-XYLIDINE
0812	75-19-4	CYCLOPROPANE	1502	87-61-6	1,2,3-TRICHLOROBENZENE
0170	75-21-8	ETHYLENE OXIDE	2094	87-62-7	2,6-XYLIDINE
2517	75-25-2	TRICHLOROMETHANE	0983	87-67-2	CHOLINE TARTRATE
0623	75-26-3	ISOPROPYL BROMIDE	2657	88-10-8	DIETHYL CARBAZOYL CHLORIDE
0804	75-31-0	ISOPROPYLAMINE	1132	88-74-4	2-NITROANILINE
0625	75-33-2	ISOPROPYL MERCAPTAN	1133	88-75-5	2-NITROPHENOL

TDBN	REG NO	NAME	TDBN	REG NO	NAME
1445	88-85-7	DINITROBUTYL PHENOL	1644	100-74-3	N-ETHYLMORPHOLINE
2040	88-89-1	2,4,6-TRINITROPHENOL	2172	100-92-5	N,ALPHA,ALPHA-TRIMETHYLPHENETHYLAMIN
0584	89-65-6	ISOASCORBIC ACID	1004	100-99-2	TRIISOBUTYLALUMINUM
0593	89-78-1	MENTHOL	2747	101-55-3	BROMOPHENYL PHENYL ETHER
1268	89-80-5	MENTHONE	2541	101-77-9	4,4'-DIAMINODIPHENYLMETHANE
2192	89-92-9	O-XYLYL BROMIDE	0934	101-84-8	DIPHENYL ETHER
0721	90-02-8	SALICYLALDEHYDE	2709	101-92-8	ACETOACETANILIDE, 4'-CHLORO
2073	90-04-0	O-ANISIDINE	2669	102-01-2	ACETOACETANILIDE
2158	90-44-8	ANTHRONE	2757	102-07-8	CARBANILIDE
0287	91-17-8	DECALYDRONAPHTHALENE	2097	102-69-2	TRIPROPYLAMINE
0184	91-20-3	NAPHTHALENE	0877	102-82-9	TRIBUTYLAMINE
2696	91-49-6	ACETANILIDE, N-BUTYL	2668	103-09-3	2-ETHYLHEXYL ACETIC ACID ESTER
0400	91-53-2	ETHOXYQUIN	1121	103-11-7	2-ETHYLHEXYL ACRYLATE
1623	91-64-5	COUMARIN	0359	103-41-3	BENZYL CINNAMATE
1632	91-94-1	3,3'-DICHLOROBENZIDINE	1969	103-64-0	BETA-BROMOSTYRENE
2537	92-06-8	M-TERPHEHYL	2665	103-84-4	ACETANILIDE
0530	92-52-4	DIPHENYL	2026	104-15-4	P-TOLUENESULFONIC ACID
1177	93-55-0	PHENYL ETHYL KETONE	0209	104-55-2	CINNAMALDEHYDE
1738	93-65-2	MECOPROP	0920	104-72-3	DECYLBENZENE
1560	93-71-0	RANDOX	2193	104-81-4	P-XYLYL BROMIDE
1761	93-75-4	THIOQUINOX	2682	104-82-5	ALPHA-CHLORO-P-XYLENE
1145	93-76-5	2,4,5-TRICHLOROPHENOXYACETIC ACID	2731	104-83-6	BENZENE, 1-CHLORO-4-CHLOROMETHYL
2198	94-12-2	P-AMINOBENZOIC ACID, PROPYL ESTER	1603	104-94-9	P-ANISIDINE
0203	94-13-3	PROPYLPARABEN	1083	105-45-3	METHYL ACETOACETATE
2772	94-17-7	DI-(P-CHLOROBENZOYL) PEROXIDE	0673	105-46-4	SEC-BUTYL ACETATE
0286	94-26-8	BUTYL PARABEN	0406	105-54-4	ETHYL BUTYRATE
0372	94-36-0	BENZOYL PEROXIDE	2769	105-56-6	CYANOACETIC ACID, ETHYL ESTER
2671	94-76-8	(4-CHLORO-O-TOLYL)THIO ACETIC ACID	0900	105-58-8	DIETHYL CARBONATE
1633	94-80-4	2,4-D-BUTYL ESTER	0352	105-74-8	DILAUROYL PEROXIDE
0134	95-47-6	O-XYLENE	0086	105-87-3	GERANYL ACETATE
1813	95-48-7	O-CRESOL	0594	106-23-0	CITRONELLAL
0521	95-50-1	1,2-DICHLOROBENZENE	0484	106-24-1	GERANIOL
2042	95-53-4	2-AMINOTOLUENE	2734	106-37-6	BENZENE, P-DIBROMO
1415	95-57-8	2-CHLOROPHENOL	1814	106-44-5	P-CRESOL
2095	95-64-7	3,4-XYLIDINE	2024	106-45-6	4-THIOPRESOL
2092	95-68-1	2,4-XYLIDINE	0523	106-46-7	1,4-DICHLOROBENZENE
2061	95-69-2	4-CHLORO-O-TOLUIDINE	1414	106-48-9	4-CHLOROPHENOL
2093	95-78-3	2,5-XYLIDINE	2044	106-49-0	4-AMINOTOLUENE
2062	95-79-4	5-CHLORO-O-TOLUIDINE	0610	106-63-8	ISOBUTYL ACRYLATE
2849	95-80-7	TOLUENE-2,4-DIAMINE	0039	106-89-8	EPICHLORHYDRIN
2131	95-92-1	DIETHYL OXALATE	0494	106-91-2	GLYCIDYL METHACRYLATE
2733	95-94-3	BENZENE, 1,2,4,5-TETRACHLORO	1068	106-94-5	1-BROMOPROPANE
1629	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0622	106-95-6	ALLYL BROMIDE
2052	96-24-2	CHLOROPROPANEDIOL	0179	106-98-9	1-BUTENE
0194	96-33-3	METHYL ACRYLATE	1037	107-03-9	PROPYL MERCAPTAN
0376	96-37-7	METHYLCYCLOPENTANE	0178	107-05-1	ALLYL CHLORIDE
1643	96-45-7	ETHYLENE THIOUREA	0426	107-07-3	ETHYLENE CHLOROXYDRIN
1576	97-17-6	DICHLOROPENTHICIN	0117	107-12-0	PROPIONITRILE
0210	97-53-0	EUGENOL	0176	107-13-1	ACRYLONITRILE
0412	97-64-3	ETHYL LACTATE	0535	107-15-3	ETHYLENEDIAMINE
0289	97-88-1	BUTYL METHACRYLATE	2123	107-16-4	GLYCOLNITRILE
0897	97-94-9	TRIETHYLBORON	0192	107-18-6	ALLYL ALCOHOL
0711	98-00-0	FURFURYL ALCOHOL	2521	107-20-0	CHLOROACETALDEHYDE
0542	98-01-1	FURFURAL	0497	107-22-2	GLYOXAL
2077	98-08-8	BENZOTRIFLUORIDE	1033	107-25-5	VINYL METHYL ETHER
1039	98-13-5	PHENYLTRICHLOROSILANE	2662	107-29-9	ACETALDEHYDE OXIME
0172	98-82-8	CUMENE	2715	107-37-9	ALLYLTRICHLOROSILANE
0196	98-83-9	ALPHA-METHYL STYRENE	1126	107-41-5	2-METHYL-2,4-PENTANEDIOL
2742	98-84-0	BENZYLAMINE, ALPHA-METHYL	0842	107-49-3	TETRAETHYL PYROPHOSPHATE
0383	98-88-4	BENZOYL CHLORIDE	2513	107-66-4	DIBUTYL PHOSPHATE
0104	98-95-3	NITROBENZENE	1153	107-70-0	4-METHOXY-4-METHYL-2-PENTANONE
1570	99-30-9	2,6-DICHLORO-4-NITROANILINE	0887	107-72-2	TRICHLOROPENTYLSILANE
0707	99-49-0	CARVONE	1125	107-83-5	2-METHYL PENTANE
1184	99-76-3	METHYLPARABEN	0158	107-87-9	METHYL PROPYL KETONE
2088	99-91-2	4'-CHLOROACETOPHENONE	2663	107-89-1	ACETALDOL
2711	99-92-3	ACETOPHENONE, P-AMINO	0940	107-92-6	BUTYRIC ACID
1158	99-99-0	4-NITROTOLUENE	2053	107-94-8	3-CHLOROPROPIONIC ACID
1666	100-00-5	P-NITROCHLOROBENZENE	2526	108-03-2	1-NITROPROPANE
1156	100-01-6	4-NITROANILINE	0190	108-05-4	VINYL ACETATE
0834	100-21-0	TEREPHTHALIC ACID	0148	108-10-1	METHYL ISOBUTYL KETONE
0329	100-37-8	DIETHYLAMINOETHANOL	0931	108-18-9	DIISOPROPYL AMINE
0084	100-41-4	ETHYLBENZENE	0792	108-30-5	SUCCINIC ANHYDRIDE
0045	100-47-0	BENZONITRILE	1815	108-39-4	M-CRESOL
0046	100-51-6	BENZYL ALCOHOL	2023	108-40-7	3-THIOPRESOL
0388	100-52-7	BENZALDEHYDE	2046	108-42-9	3-CHLOROANILINE
2056	100-56-1	CHLOROPHENYLMERCURY	1413	108-43-0	3-CHLOROPHENOL
0044	100-66-3	ANISOLE	2043	108-44-1	3-AMINOTOLUENE

TDBN	REG NO	NAME	TDBN	REG NO	NAME
2096	108-69-0	3,5-XYLIDINE	1727	115-31-1	ISOBORNYL THIOCYANOACETATE
0132	108-70-3	1,3,5-TRICHLOROBENZENE	0631	115-32-2	KELTHANE
0057	108-75-8	COLLIDINE	2536	115-86-6	TRIPHENYL PHOSPHATE
0	108-83-8	DIISOBUTYL KETONE	1580	115-90-2	FENSULFOTHION
0	108-90-7	CHLOROBENZENE	1124	116-11-0	2-METHOXYPROPENE
0061	108-93-0	CYCLOHEXANOL	0844	116-14-3	TETRAFLUOROETHYLENE
0113	108-95-2	PHENOL	1723	116-16-5	HEXACHLOROACETONE
0101	109-06-8	2-METHYLPYRIDINE	1773	116-29-0	TETRADIFON
2831	109-59-1	ETHANOL, ISOPROPOXY	1772	117-18-0	TECNAZONE
0161	109-60-4	N-PROPYL ACETATE	0313	117-80-6	DICHLONE
0109	109-66-0	PENTANE	0381	119-06-2	DITRIDECYL PHTHALATE
1086	109-67-1	1-PENTENE	1242	119-07-3	OCTYL DECYL PHTHALATE
0515	109-73-9	BUTYL AMINE, NORMAL	1935	119-36-8	OIL OF WINTERGREEN
2523	109-77-3	MALONONITRILE	0931	119-38-0	ISOLAN
0427	109-78-4	ETHYLENE CYANOHYDRIN	0384	119-53-9	BENZOIN
0290	109-79-5	BUTYL MERCAPTAN	0127	119-64-2	TETRALIN
1128	109-83-1	2-METHYLAMINOETHANOL	1627	119-90-4	O-DIANISIDINE
0943	109-94-4	ETHYL FORMATE	0702	120-12-7	ANTHRACENE
0416	109-95-5	ETHYL NITRITE	1575	120-36-5	DICHLOROPROP
0119	109-97-7	PYRROLE	0581	120-57-0	PIPERONAL
0125	109-99-9	TETRAHYDROFURAN	1137	120-76-5	2,2'-BIS(BENZOTHAZOLYL) DISULFIDE
0089	110-00-9	FURAN	1436	120-80-9	CATECHOL
0130	110-02-1	THIOPHENE	1105	120-82-1	1,2,4-TRICHLOROBENZENE
0791	110-15-6	SUCCINIC ACID	1139	120-83-2	2,4-DICHLOROPHENOL
0666	110-16-7	MALEIC ACID	1144	121-14-2	2,4-DINITROTOLUENE
0710	110-17-8	FUMARIC ACID	0945	121-32-4	ETHYL VANILLIN
0609	110-19-0	ISOBUTYL ACETATE	1027	121-33-5	VANILLIN
0298	110-22-5	DIACETYL FERROXIDE	1007	121-45-9	TRIMETHYL PHOSPHITE
0626	110-27-0	ISOPROPYL MYRISTATE	0567	121-54-0	HYAMINE 1622
1122	110-43-0	2-HEPTANONE	2712	121-60-8	ACETYLAMINOBENZENESULFONYL CHLORIDE
0156	110-49-6	METHYL CELLOSOLVE ACETATE	1639	121-69-7	N,N-DIMETHYLANILINE
0091	110-54-3	HEXANE	2079	121-82-4	CYCLONITE
0851	110-62-3	FENTANAL	2710	121-89-1	ACETOPHENONE, 3-NITRO
0468	110-66-7	AMYL MERCAPTAN	2090	121-91-5	ISOPHTHALIC ACID
2748	110-68-9	BUTYLAMINE, N-METHYL	1590	122-14-5	SUMITHION
0073	110-71-4	1,2-DIMETHOXYETHANE	1108	122-39-4	N,N-DIPHENYLAMINE
00F	110-80-5	ETHYLENE GLYCOL MONOETHYL ETHER	1064	122-48-5	ZINGERONE
0C	110-82-7	CYCLOHEXANE	0895	122-52-1	TRIETHYL PHOSPHITE
16L	110-83-8	CYCLOHEXENE	0793	123-23-9	SUCCINOYL PEROXIDE
1093	110-85-0	PIPERAZINE	0353	123-28-4	DILAURYL THIODIPROPIONATE
0118	110-85-1	PYRIDINE	1258	123-35-3	MYRCENE
0114	110-89-4	PIPERIDINE	1152	123-42-2	4-HYDROXY-4-METHYL-2-PENTANONE
0102	110-91-8	MORPHOLINE	2706	123-43-3	ACETIC ACID, SULFO
0338	110-97-4	BIS(2-HYDROXYPROPYL)AMINE	1215	123-62-6	PROPIONIC ANHYDRIDE
0539	111-15-9	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	1097	123-77-3	1,1-AZOSIS(FORMAMIDE)
0858	111-17-1	THIODIPROPIONIC ACID	0366	123-79-5	DIOCTYL ADIPATE
0565	111-27-3	HEXANOL	0152	123-86-4	BUTYL ACETATE
0949	111-30-8	GLUTARALDEHYDE	1818	123-92-2	ISOAMYL ACETATE
0924	111-42-2	DIETHANOLAMINE	2707	123-93-3	ACETIC ACID, THIODI
0069	111-46-6	DIETHYLENE GLYCOL	0942	123-95-5	BUTYL STEARATE
0430	111-55-7	ETHYLENE GLYCOL DIACETATE	0188	124-04-9	ADIPIC ACID
1084	111-66-0	1-OCTENE	0189	124-09-4	HEXAMETHYLENE DIAMINE
1077	111-70-6	1-HEPTANOL	1081	124-11-8	1-NONENE
0538	111-76-2	ETHYLENE GLYCOL MONO-N-BUTYL ETHER	0063	124-18-5	DECANE
0096	111-77-3	DIETHYLENE GLYCOL MONOMETHYL ETHER	0723	124-26-5	STEARIC ACID AMIDE
0107	111-84-2	NONANE	0516	124-38-9	CARBON DIOXIDE
0700	111-87-5	1-OCTANOL	0933	124-40-3	DIMETHYL AMINE
0051	111-93-0	CARBITOL	0755	124-41-4	SODIUM METHOXIDE
0435	112-07-2	ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE	1021	124-47-0	UREA NITRATE
1002	112-24-3	TRIETHYLENETETRAMINE	0731	124-65-2	SODIUM CACODYLATE
1072	112-30-1	1-DECANOL	1595	126-22-7	BUTONATE
0288	112-31-2	DECALDEHYDE	0122	126-33-0	SULFOLANE
0068	112-36-7	DIETHYL CARBITOL	1678	126-73-8	TRIBUTYL PHOSPHATE
1076	112-41-4	1-DODECENE	0736	126-96-5	SODIUM DIACETATE
1089	112-42-5	1-UNDODECANOL	1618	126-99-8	CHLOROPRENE
1075	112-53-8	1-DODECANOL	0688	127-09-3	SODIUM ACETATE
1074	112-55-0	1-DODECANETHIOL	0074	127-19-5	N,N-DIMETHYLACETAMIDE
1517	112-56-1	LETHANE 384	1147	128-37-0	2,6-DI-TERT-BUTYL CRESOL
0343	112-60-7	TETRAETHYLENE GLYCOL	0767	128-44-9	SODIUM SACCHARIN
2785	112-75-4	DIMETHYL MYRISTAMINE	1010	129-66-8	TRINITROBENZOIC ACID
1240	112-80-1	OLEIC ACID	0302	131-18-0	DIAMYL PHTHALATE
10P	112-92-5	1-OCTADECANOL	1597	131-72-6	ARATHANE
02	113-59-7	CHLORFROTHIXENE	2085	132-60-5	CINCOPHEN
0175	115-07-1	PROPYLENE	2163	132-64-9	DIBENZOFURAN
0000	115-10-6	DIMETHYL ETHER	0951	133-06-2	CAPTAN
0023	115-11-7	ISOBUTYLENE	2778	133-53-9	DICHLORO-M-XYLENOL
0000	115-21-9	TRICHLOROETHYLSILICANE	0564	133-90-4	AMIBEN

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1080	134-32-7	1-NAPHTHYLAMINE	0364	501-53-1	BENZYL CHLOROFORMATE
1582	134-62-3	DEET	0921	502-56-7	DIBUTYL KETONE
2740	134-85-0	BENZOPHENONE-, 4-CHLORO	0371	503-38-8	DIPHOSGENE
2089	136-60-7	BUTYL BENZOATE	0629	503-74-2	ISOVALERIC ACID
2522	136-78-7	SODIUM 2,4-DICHLOROPHOXYETHYL SULFATE	0708	506-68-3	CYANOGEN BROMIDE
2741	136-95-8	BENZOTHAZOLE, 2-AMINO	0917	506-77-4	CYANOGEN CHLORIDE
1207	137-05-3	METHYL 2-CYANOACRYLATE	0663	506-96-7	ACETYL BROMIDE
2022	137-06-4	2-THIOCREOSOL	2041	507-42-6	TRIBROMOACETALDEHYDE HYDRATE
0766	137-40-6	SODIUM PROPIONATE	0946	507-70-0	BORNEOL
1767	137-42-8	SODIUM METHYLDITHIOCARBAMATE	0652	509-14-8	TETRANITROMETHANE
0418	137-66-6	ASCORBYL PALMITATE	2072	513-35-9	AMYLENE
0490	138-15-8	GLUTAMIC ACID HYDROCHLORIDE	1610	513-53-1	SEC-BUTYL MERCAPTAN
1400	139-40-2	PROPAZINE	1612	513-78-0	CADMIUM CARBONATE
2103	140-29-4	BENZYL CYANIDE	0999	513-79-1	COBALTOUS CARBONATE
0295	140-56-7	DEXCN	1505	513-85-9	2,3-BUTANEDIOL
1529	140-57-8	ARAMITE	0974	513-66-0	ACETOIN
0193	140-88-5	ETHYL ACRYLATE	0291	520-45-6	DEHYDROACETIC ACID
0531	141-43-5	ETHANOLAMINE	2036	524-42-5	1,2-NAPHTHOQUINONE
0744	141-53-7	SODIUM FORMATE	0487	526-95-4	LUCONIC ACID
0889	141-57-1	TRICHLOROPROPYLSILANE	2693	527-20-8	ANILINE, PENTACHLORO
1637	141-66-2	DICROTOPHOS	1642	533-74-4	DAZOMET
2087	141-84-4	RHODANINE	0769	533-96-0	SODIUM SESQUICARBONATE
0402	141-97-9	ETHYL ACETOACETATE	2768	538-08-9	CYANAMIDE, DIALLYL
2746	142-46-1	BIUREA, 2,5-DITHIO	2794	538-74-9	BENZYL SULFIDE
0580	142-47-2	MONSODIUM GLUTAMATE	1410	539-03-7	4'-CHLOROACETANILIDE
1170	142-59-6	NABAM	0149	540-59-0	1,2-DICHLOROETHYLENE
1182	142-64-3	PIPERAZINE HYDROCHLORIDE	0414	540-67-0	ETHYL METHYL ETHER
0126	142-68-7	TETRAHYDROPYRAN	0479	540-69-2	AMMONIUM FORMATE
2779	143-00-0	DIETHANOLAMINE LAURYL SULFATE	0835	540-68-5	TERT-BUTYL ACETATE
0758	143-19-1	SODIUM OLEATE	1017	541-09-3	URANYL ACETATE
1136	144-19-4	2,2,4-TRIMETHYL-1,3-PENTANEDIOL	0409	541-41-3	ETHYL CHLOROFORMATE
1701	144-21-8	METHAR	1219	541-91-3	MUSKONE
0375	144-33-2	DISODIUM HYDROGEN CITRATE	0501	542-88-1	BIS(CHLOROMETHYL) ETHER
2082	144-49-0	FLUOROACETIC ACID	2514	542-92-7	1,3-CYCLOPENTADIENE
1100	144-62-7	OXALIC ACID	0280	543-90-8	CADMIUM ACETATE
0391	145-73-3	ENDOTHALL	2773	544-01-4	DI-ISO-AMYL ETHER
2157	145-94-8	CHLORINDANOL	1438	544-92-3	COPPER CYANIDE
1103	147-47-7	1,2-DIHYDRO-2,2,4-TRIMETHYLQUINOLINE	0709	544-97-8	DIMETHYL ZINC
1210	147-85-3	PFOLINE	0640	546-67-8	LEAD TETRAACETATE
2739	147-93-3	BENZOIC ACID, O-MERCAPTO	0848	546-68-9	TETRAISOPROPYL TITANATE
1006	149-73-5	TRIMETHYL ORTHOFORMATE	0211	546-93-0	MAGNESIUM CARBONATE
2117	149-91-7	GALLIC ACID	0867	552-22-7	THYMOL IODIDE
1315	151-21-3	SODIUM LAURYL SULFATE	2681	552-45-4	ALPHA-CHLORO-O-XYLENE
0936	151-41-7	DODECYL SULFATE	2115	552-86-3	FUROIN
1744	152-16-9	SCHRADAN	0572	555-35-1	ALUMINIUM PALMITATE
0634	260-94-6	ACRIDINE	0713	557-04-0	MAGNESIUM STEARATE
0062	287-92-3	CYCLOPENTANE	0212	557-05-1	ZINC STEARATE
0059	291-64-5	CYCLOHEPTANE	1185	557-19-7	NICKEL CYANIDE
0379	298-04-4	DISULFOTON	1053	557-41-5	ZINC FORMATE
0341	298-07-7	BIS(2-ETHYLHEXYL) PHOSPHATE	0399	563-12-2	ETHION
2505	298-81-7	METHOXSALEN	0317	563-43-9	DICHLOROETHYLALUMINUM
0994	299-28-5	CALCIUM GLUCONATE	1149	563-47-3	3-CHLORO-2-METHYL-1-PROPENE
1547	299-86-5	RUELENE	1174	583-15-3	MERCURIC BENZOATE
1148	300-76-5	NALED	1507	584-03-2	1,2-BUTANEDIOL (DL)
1404	301-04-2	LEAD(+2) ACETATE	1262	584-08-7	POTASSIUM CARBONATE
1718	301-12-2	OXYDEMETON-METHYL	1511	584-79-2	ALLETHRIN
0765	304-59-6	SODIUM POTASSIUM TARTRATE	0874	584-84-9	TOLUENE 2,4-DIISOCYANATE
1042	315-18-4	ZECTRAN	1411	587-65-5	2-CHLORO-N-PHENYL-ACETAMIDE
2170	316-41-6	PERDERINE SULFATE	2789	587-84-8	DIPHENYLAMINE SULFATE
2150	316-42-7	EMETINE HYDROCHLORIDE	1409	588-07-8	3'-CHLOROACETANILIDE
1719	327-98-0	TRICHLORONATE	1230	590-00-1	POTASSIUM SORBATE
0382	330-54-1	DIURON	0628	590-86-3	ISOVALERALDEHYDE
0303	333-41-5	DIAZINON	0543	591-78-6	HEXANONE-2
2735	350-46-9	BENZENE, 1-FLUORO-4-NITRO	2697	591-87-7	ACETIC ACID, ALLYL ESTER
0954	404-86-4	CAPSAICINE	1267	591-89-9	MERCURIC POTASSIUM CYANIDE
1539	405-30-1	FLUORBENSIDE	0993	592-40-5	CITRAL
0759	408-35-5	SODIUM PALMITATE	1079	592-41-6	1-HEXENE
0297	431-03-8	DIACETYL	1078	592-76-7	1-HEPTENE
2130	460-19-5	CYANOGEN	1224	592-85-8	MERCURIC THIOCYANATE
0861	463-71-8	THIOFOSGENE	0641	592-87-0	LEAD THIOCYANATE
0110	463-82-1	NEO-PENTANE	0886	594-42-3	TRICHLOROMETHANESULFENYL CHLORIDE
0991	470-82-6	CINEOLE	0315	598-31-2	BROMOACETONE
1540	470-90-6	SUFONA	0790	598-62-9	MANGANESE CARBONATE
0927	471-34-1	CALCIUM CARBONATE	2098	603-34-9	TRIFENYLAMINE
1518	485-31-4	BINAPACRYL	2111	607-57-8	2-NITRO-9H-FLUORENE
0335	499-12-7	ACONITIC ACID	1606	608-73-1	BENZENE HEXACHLORIDE
0906	499-75-2	CARVACROL	2678	611-17-6	ALPHA-BROMO-2-CHLOROTOLUENE

TDBN	REG NO	NAME	TDBN	REG NO	NAME
2059	615-65-6	2-CHLORO-P-TOLUIDINE	0978	1319-91-1	CALCIUM IODOBEHENATE
2766	615-67-8	CHLOROHYDROQUINONE	1988	1321-89-7	ISODECALDEHYDE
2680	619-23-8	ALPHA-CHLORO-M-NITROTOLUENE	1143	1321-94-4	METHYL NAPHTHALENE
2	620-13-3	M-XYLYL BROMIDE	0419	1327-53-3	ARSENIC TRIOXIDE
2	622-08-2	2-(BENZYLOXY) ETHANOL	0615	1330-61-6	ISODECYL ACRYLATE
1165	624-83-9	METHYL ISOCYANATE	0511	1332-21-4	ASBESTOS
0415	625-58-1	ETHYL NITRATE	0630	1332-58-7	KAOLIN
0537	628-96-6	ETHYLENE GLYCOL DINITRATE	0518	1333-82-0	CHROMIUM TRIOXIDE
0903	630-08-0	CARBON MONOXIDE	0953	1333-86-4	CARBON BLACK
0556	631-61-8	AMMONIUM ACETATE	2750	1335-16-6	BUTYLMETHOXYPHENOL
0129	632-22-4	TETRAMETHYLUREA	1232	1335-34-8	POTASSIUM GLYCEROPHOSPHATE
1726	644-64-4	DIMETILAN	0410	1337-76-4	ATTAPULGITE
1120	645-62-5	2-ETHYL-3-PROPYLACROLEIN	1967	1338-16-5	IRON SORBITE
2063	674-82-8	2-OXETANONE, 4-METHYLENE-	1178	1338-24-5	NAPHTHENIC ACID
2116	685-74-5	GALACTARIC ACID	0778	1338-41-6	SORBITAN MONOSTEARATE
0573	688-37-9	ALUMINUM OLEATE	0972	1341-24-8	CHLOROACETOPHENONE
2719	698-01-1	ANILINE, O-CHLORO-N,N-DIMETHYL	0764	1344-06-5	SCDIUM PHOSPHOALUMINATE
1226	709-98-8	PROPANID	0506	1344-28-1	ALUMINUM OXIDE
0292	713-95-1	DELTA-DODECALACTONE	1259	1344-43-0	MANGANOUS OXIDE
1734	732-11-6	IMIDAN	0705	1344-95-2	CALCIUM SILICATE
0393	741-58-2	BENSULIDE	2171	1393-03-9	QUILLAJA SAPONIN
0558	757-58-4	HEXAETHYLTETRAPHOSPHATE	0568	1799-80-0	HYAMINE 2389
0394	759-94-4	EPTC	0496	1405-86-3	GLYCYRRHIZIN
1164	814-78-8	METHYL ISOPROPENYL KETONE	1598	1410-07-1	DINOTERB
0989	814-90-4	CHROMOUS OXALATE	0417	1498-51-7	ETHYL PHOSPHORODICHLORIDATE
1123	818-61-1	2-HYDROXYETHYL ACRYLATE	1530	1563-66-2	CARBOFURAN
1090	821-95-4	1-UNDECENE	0905	1592-23-0	CALCIUM STEARATE
2676	831-81-2	(4-CHLOROPHENYL)-PHENYL METHANE	1707	1596-84-5	SUCCINIC ACID, 2,2-DIMETHYLHYDRAZIDE
1728	841-06-5	METHOPROTRYNE	1244	1600-27-7	MERCURIC ACETATE
0760	867-81-2	SODIUM PANTOTHENATE	2120	1602-00-2	AZOBENZENE, 4,4'-DICHLORO-
1264	868-14-4	POTASSIUM ACID TARTRATE	1519	1610-18-0	PROMETONE
1073	872-05-9	1-DECENE	0331	1675-54-3	BISPHENOL A DIGLYCIDYL ETHER
1783	900-95-8	FENTIN ACETATE	1584	1689-83-4	BANTROL
2666	919-54-0	ACETHION	1759	1698-60-8	PYRAZON
2724	929-77-1	BEHENIC ACID, METHYL ESTER	1751	1754-58-1	NELLITE
1717	944-22-9	DYPHONATE	0358	1861-32-1	DIMETHYL TETRACHLOROTEREPHTHALATE
2824	947-02-4	CYOLANE	0555	1863-63-4	AMMONIUM BENZOATE
159	950-37-8	SUPRACIDE	0413	1912-24-9	ATRAZINE
036	957-51-7	DIPHENAMID	0311	1918-00-9	DICAMBA
2124	1001-55-4	GLYCOLONITRILE ACETATE	1151	1918-02-1	4-AMINO-3,5,6-TRICHLOROPICOLINIC ACID
0985	1066-30-4	CHROMIC ACETATE	1028	1929-77-7	VERCOLATE
0491	1066-33-7	AMMONIUM BICARBONATE	0838	1948-33-0	TERTIARYBUTYLHYDROQUINONE
2664	1068-90-2	ACETAMIDCHALONIC ACID DIETHYL ESTER	0980	1982-47-4	CHLOROXURON
0485	1111-78-0	AMMONIUM CARBAMATE	1764	1982-49-6	SIDURON
0856	1114-71-2	PEBULATE	0782	2032-65-7	METHIOCARB
2029	1115-15-7	VINYL SULFOXIDE	2738	2130-56-5	BENZIDINE-3,3'-DICARBOXYLIC ACID
1087	1120-36-1	1-TETRADECENE	0466	2152-64-9	ANILINE BLUE
0443	1125-27-5	ETHYLPHENYLDICHLOROSILANE	1553	2163-69-1	CYCLURON
1712	1134-23-2	EUREX	1721	2164-17-2	FLUOMETURON
2791	1142-19-4	DISULFIDE-, BIS(P-CHLOROPHENYL)	2514	2179-59-1	ALLYL PROPYL DISULFIDE
2110	1165-48-6	DIMEFLINE	0673	2212-67-1	MOLINATE
2774	1220-00-4	DI-P-CHLOROPHENYLTHIOUREA	2708	2235-46-3	ACETOACETAMIDE, N,N-DIETHYL
2145	1229-55-6	OIL PINK	2705	2365-48-2	ACETIC ACID, MERCAPTO, METHYL ESTER
0370	1241-94-7	DIPHENYL-2-ETHYLHEXYL PHOSPHATE	2162	2381-21-7	1-METHYL PYRENE
0363	1300-71-6	DIMETHYL PHENOL	1659	2385-85-5	MUREX
0776	1300-72-7	SODIUM XYLENESULFONATE	0340	2425-06-1	DIFOLATAN
0392	1302-78-9	BENTONITE	2030	2425-25-4	ACETOXON
0328	1303-96-4	BCRAX	1086	2437-56-1	1-TRIDECENE
0520	1304-00-3	DIBORANE	0825	2551-62-4	SULFUR HEXAFLUORIDE
1608	1304-85-4	BISMUTH SUBNITRATE	1709	2593-15-9	TEPPAZOLE
1615	1305-78-8	CALCIUM OXIDE	1708	2597-03-7	FRENTHOATE
1614	1306-23-6	CADMIUM SULFIDE	0411	2642-71-9	ETHYL GUTHION
1619	1308-38-9	CHROMIC OXIDE	1542	2675-77-6	CHLORONEB
0436	1309-64-4	ANTIMONY TRIOXIDE	0849	2696-92-6	NITROSYL CHLORIDE
2119	1310-53-8	GERMANIUM DIOXIDE	0828	2699-79-8	SULFURYL FLUORIDE
0229	1310-73-2	SCDIUM HYDROXIDE	1261	2820-51-1	NICOTINE HYDROCHLORIDE
1188	1312-03-4	MERCURY OXIDE SULFATE	0389	2921-88-2	DURSBAN
1661	1313-27-5	MOLYBDENUM TRIOXIDE	0621	2937-50-0	ALLYL CHLOROFORMATE
0763	1313-60-6	SCDIUM PEROXIDE	0362	2999-74-8	DIMETHYLMAGNESIUM
0788	1314-18-7	STRONTIUM PEROXIDE	2114	3003-84-7	2-CHLOROMETHYL TETRAHYDROFURAN
0847	1314-56-3	PHOSPHORUS PENTOXIDE	0300	3012-65-5	DIAMMONIUM GURATE
1251	1314-80-3	PHOSPHORUS SULFIDE	2717	3132-64-7	ALPHA-EPIBROMOHYDRIN
1257	1314-85-8	PHOSPHORUS SESQUISULFIDE	2502	3164-29-2	AMMONIUM TARTRATE
0639	1314-87-0	LEAD SULFIDE	2675	3240-10-6	(4-CHLOROPHENYL)-PROPYNOIC ACID
0638	1317-35-8	LEAD OXIDE	1776	3244-90-4	ASPON
1549	1317-39-1	CUFROUS OXIDE	1662	3333-67-3	NICKEL CARBONATE
0250	1319-77-3	CRESOL	0956	3383-96-8	ABATE

TDBN	REG NO	NAME	TDBN	REG NO	NAME
2161	3442-78-2	2-METHYLPYRENE	0859	7719-09-7	THIONYL CHLORIDE
1048	3486-35-9	ZINC CARBONATE	1229	7722-76-1	MONOAMMONIUM PHOSPHATE
2729	3497-00-5	BENZENE PHOSPHORUS THIODICHLORIDE	0547	7722-84-1	HYDROGEN PEROXIDE
2764	3615-21-2	CHLOROFLUORAZOLE	0854	7722-88-5	TETRASODIUM PYROPHOSPHATE
0344	3648-21-3	DIKEPTYL PHTHALATE	0514	7726-95-6	BROMINE
2790	3655-00-3	DISODIUM LAURIMINODIPROPIONATE	2066	7727-15-3	ALUMINUM BROMIDE
0380	3689-24-5	DITHION	0771	7757-81-5	SODIUM SORBATE
2703	3746-39-2	ACETIC ACID, MERCAPTO, DODECYL ESTER	1005	7757-87-1	TRIMAGNESIUM PHOSPHATE
2756	3747-48-6	CARBANILIC ACID 2 CHLOROETHYL ESTER	1085	7757-96-2	1-OCTENYL SUCCINIC ANHYDRIDE
1419	3765-57-9	GLENBAR	1253	7758-01-2	POTASSIUM BROMATE
*2540	3944-87-4	1,3-BIS-O(ETHYLSULFONYL)-1,2-DICHLOROET	1239	7758-04-5	POTASSIUM CYCLAMATE
0862	3982-91-0	THIOPHOSPHORYL CHLORIDE	0935	7758-11-4	DIPOTASSIUM PHOSPHATE
0907	4075-81-4	CALCIUM PROPIONATE	0377	7758-16-9	DISODIUM PYROPHOSPHATE
1054	4468-02-4	ZINC GLUCONATE	0733	7758-19-2	SODIUM CHLORITE
0387	4484-72-4	DODECYLTRICHLOROSILANE	0459	7758-94-3	FERROUS CHLORIDE
0445	4602-84-0	FARNESOL	0582	7772-99-8	STANNOUS CHLORIDE
2726	4659-47-6	BENZALDEHYDE, 2,3,6-TRICHLORO-	2154	7773-01-5	MANGANESE CHLORIDE
1668	4685-14-7	PARAQUAT	1263	7773-03-7	POTASSIUM BISULFITE
0789	4726-14-1	NITRALIN	0703	7773-06-0	AMMONIUM SULFAMATE
1013	5064-31-3	TRISODIUM NITRILOTRIACETATE	0732	7775-09-9	SODIUM CHLORATE
1532	5234-68-4	VITAVAX	0746	7775-14-6	SODIUM HYDROSULFITE
2771	5459-93-8	CYCLOHEXYLAMINE, N-ETHYL	1015	7775-50-0	TRISTEARYL CITRATE
0839	5593-70-4	TETRABUTYL TITANATE	0962	7776-28-5	CALCIUM PHYTATE
1982	5798-79-8	ALPHA-BROMOBENZYL CYANIDE	0902	7778-18-9	CALCIUM SULFATE
1732	5836-10-2	CHLOROPROPYLATE	0431	7778-39-4	ARSENIC ACID
0557	5894-60-0	HEXADECYLTRICHLOROSILANE	1675	7778-43-0	SODIUM ARSENATE
2156	5968-84-3	IRON CACCOYLATE	1433	7778-44-1	CALCIUM ARSENATE
2147	5968-88-7	MANGANESE CITRATE	123	7778-50-9	POTASSIUM DICHROMATE
1248	6100-05-6	TRIPOTASSIUM CITRATE MONOHYDRATE	1222	7778-74-7	POTASSIUM PERCHLORATE
1012	6132-04-3	TRISODIUM CITRATE DIHYDRATE	1603	7779-86-4	ZINC HYDROSULFITE
2672	6190-65-4	DEETHYL ATRAZINE	0294	7782-39-0	DEUTERIUM
1225	6485-39-8	MANGANESE GLUCONATE	0206	7782-50-5	CHLORINE
0753	6834-92-0	SODIUM METASILICATE	1228	7782-67-8	POTASSIUM HYPOPHOSPHITE
1591	6923-22-4	AZODRIN	0692	7782-92-5	SODIUM AMIDE
2674	7396-28-3	(3-CHLOROPHENYL)-PROPYNOIC ACID	0374	7782-95-8	DISODIUM DIHYDROGEN HYPOPHOSPHATE
0507	7429-90-5	ALUMINUM	0548	7783-07-5	HYDROGEN SELENIDE
0231	7439-92-1	LEAD	2688	7783-18-8	AMMONIUM THIOSULFATE
0647	7439-93-2	LITHIUM	1044	7783-24-6	ZINC AMMONIUM SULFATE HEXAHYDRAT
0550	7439-96-5	MANGANESE	1243	7783-33-7	MERCURIC POTASSIUM IODIDE
2534	7440-16-6	RHOIDIUM	1052	7783-49-5	ZINC FLUORIDE
2533	7440-25-7	TANTALUM	0450	7783-50-8	FERRIC FLUORIDE
0868	7440-32-6	TITANIUM	1113	7783-54-2	NITROGEN TRIFLUORIDE
0508	7440-36-0	ANTIMONY	0438	7783-56-4	ANTIMONY TRIFLUORIDE
0509	7440-38-2	ARSENIC	0442	7783-70-2	ANTIMONY PENTAFLUORIDE
0512	7440-41-7	BERYLLIUM	0676	7783-79-1	SELENIUM HEXAFLUORIDE
2118	7440-56-4	GERMANIUM	2535	7783-80-4	TELLURIUM FLUORIDE
2125	7440-57-5	GOLD	0611	7784-25-0	ALUMINUM AMMONIUM SULFATE
0552	7440-58-6	HAFNIUM	0422	7784-34-1	ARSENIC TRICHLORIDE
2528	7440-67-7	ZIRCONIUM	0421	7784-35-2	ARSENIC TRIFLUORIDE
2078	7440-69-9	BISMUTH	1648	7784-40-9	LEAD ARSENATE
0228	7446-09-5	SULFUR DIOXIDE	1231	7784-41-0	POTASSIUM ARSENATE
1252	7447-40-7	POTASSIUM CHLORIDE	0510	7784-42-1	ARSINE
0664	7487-88-9	MAGNESIUM SULFATE	1241	7785-20-8	NICKEL AMMONIUM SULFATE HEXAHYDRATE
0033	7487-94-7	MERCURIC CHLORIDE	0691	7785-88-8	SODIUM ALUMINUM PHOSPHATE
0587	7492-55-9	CALCIUM SORBATE	0777	7786-34-7	METHYLPHOS
2700	7507-35-9	ACETIC ACID, (3,5-DIBROMOPHENOXYL) -	0357	7787-47-5	BERYLLIUM CHLORIDE
0283	7521-80-4	BUTYL TRICHLOROSILANE	0323	7787-71-5	BROMINE TRIFLUORIDE
0034	7553-56-2	ICDINE	0482	7788-98-9	AMMONIUM CHROMATE
0376	7558-79-4	DISODIUM PHOSPHATE	1249	7789-00-6	POTASSIUM CHROMATE
0739	7558-80-7	SODIUM DIHYDROGEN PHOSPHATE	1045	7789-13-1	ZINC BICHROMATE
2529	7585-20-8	ZIRCONIUM ACETATE	0467	7789-21-1	FLUOSULFONIC ACID
0583	7601-54-9	TRISODIUM PHOSPHATE	0651	7789-24-4	LITHIUM FLUORIDE
1140	7601-90-3	PERCHLORIC ACID	0279	7789-42-6	CADMIUM BROMIDE
0726	7631-99-4	SODIUM NITRATE	0998	7789-43-7	COBALTOUS BROMIDE
0325	7637-07-2	BORON TRIFLUORIDE	1166	7789-59-5	PHOSPHOROUS OXYBROMIDE
0781	7646-78-8	STANNIC CHLORIDE	0441	7789-61-9	ANTIMONY TRIFLUORIDE
0545	7647-01-0	HYDROCHLORIC ACID	0995	7789-75-5	CALCIUM FLUORIDE
0444	7647-18-9	ANTIMONY PENTACHLORIDE	0987	7789-79-9	CALCIUM HYPOPHOSPHITE
1254	7647-19-0	PHOSPHORUS PENTAFLUORIDE	0986	7789-80-2	CALCIUM IODATE
0526	7660-25-5	FRUCTOSE	1435	7790-76-3	CALCIUM PYROPHOSPHATE
1187	7664-38-2	ORTHOPHOSPHORIC ACID	0970	7790-91-2	CHLORINE TRIFLUORIDE
0546	7664-39-3	HYDROFLUORIC ACID	0474	7790-98-9	AMMONIUM PERCHLORATE
0749	7681-55-2	SODIUM IODATE	0786	7791-10-8	STRONTIUM CHLORIDE
1665	7697-37-2	NITRIC ACID	0990	7791-14-2	CHLOROMETHYL CHLORIDE
0730	7699-43-6	ZIRCONIUM OXYCHLORIDE	0678	7791-23-3	SELENIUM CHLORIDE
1592	7700-17-6	CIODRIN	0827	7791-25-5	SULFURYL CHLORIDE
0449	7705-08-0	FERRIC CHLORIDE	1203	7791-27-7	PYROSULFURYL CHLORIDE

TDBN	REG NO	NAME	TDBN	REG NO	NAME
0477	7803-65-8	AMMONIUM HYPOPHOSPHITE	1928	9005-66-7	POLYOXYETHYLENE SORBITAN MONOPALMITATE
1945	8000-42-8	OIL OF CARAWAY	1524	9007-07-2	BUTOXYPOLYPROPYLENE GLYCOL
0913	8001-29-4	COTTONSEED OIL	0961	9007-13-0	CALCIUM RESINATE
0	8001-54-5	BENZALKONIUM CHLORIDE	1091	9010-98-4	POLYCHLOROPHENE
1	8001-79-4	CASTOR OIL	2011	9016-87-9	POLYMETHYLENE POLYPHENYL ISOCYANATE
1939	8002-11-7	POPPY SEED OIL	2687	9051-57-4	AMMONIUM NANOXYNOL-4-SULFATE
1951	8002-39-9	ALKAVERVIR	2776	10024-74-5	DIBENZYLAMINE, ALPHA, ALPHA'-DIMETHYL
1903	8002-43-5	LECITHIN	0504	10024-97-2	NITROUS OXIDE
1941	8002-48-0	MALT EXTRACT	0764	10025-87-3	PHOSPHORUS OXYCHLORIDE
1971	8005-03-6	NIGROSINE	0439	10025-91-9	ANTIMONY TRICHLORIDE
1817	8006-54-0	LANOLIN	2531	10026-11-6	ZIRCONIUM TETRACHLORIDE
0204	8006-64-2	TURPENTINE	2507	10035-02-6	CALCIUM THIOSULFATE HEXAHYDRATE
1961	8006-82-4	PEPPER OIL	0570	10035-10-6	HYDROBROMIC ACID
1932	8006-84-6	FENNEL OIL	2685	10043-67-1	ALLUM, FOTASSIUM
1926	8006-87-9	OIL OF SANDALWOOD	0453	10045-86-0	FERRIC PHOSPHATE
1900	8006-90-4	PEPPERMINT OIL	0455	10045-87-1	FERRIC SODIUM PYROPHOSPHATE
1950	8007-12-3	MACE OIL	0517	10049-04-4	CHLORINE DIOXIDE
1974	8007-27-0	ERIGERON OIL	0454	10058-44-3	FERRIC PYROPHOSPHATE
1938	8007-70-3	OIL OF ANISE SEED	0637	10059-74-8	LEAD NITRATE
1946	8007-75-8	OIL OF BERGAMOT	0762	10101-50-5	SODIUM PERMANGANATE
1936	8007-80-5	OIL OF CINNAMON	0636	10101-63-0	LEAD IODIDE
0632	8008-20-6	KEROSENE	0768	10102-18-8	SODIUM SELENITE
1937	8008-31-9	TANGERINE OIL	2770	10108-56-2	CYCLOHEXYLAMINE, N-BUTYL
1944	8008-56-8	LEMON OIL	0274	10124-36-4	CADMIUM SULFATE
1934	8008-57-9	OIL OF ORANGE	1175	10124-48-8	MERCURIC AMMONIUM CHLORIDE
1925	8008-94-4	LICORICE EXTRACT	0486	10192-30-0	AMMONIUM BISULFITE
1138	8009-03-8	PETROLATUM	1593	10265-92-6	MONITOR
1948	8012-91-7	JUNIFER OIL	0327	10294-33-4	BORON TRIEROMIDE
1922	8012-95-1	MINERAL OIL	0326	10294-34-5	BORON TRICHLORIDE
2008	8013-17-0	INVERT SUGAR	0276	10325-94-7	CADMIUM NITRATE
1947	8014-13-9	CUMIN OIL	0478	10361-31-6	AMMONIUM GLUCONATE
1236	8014-95-7	OLEUM	1049	10361-95-2	ZINC CHLORATE
1975	8015-62-1	ANGRETTA SEED OIL	1996	10378-48-0	STRONTIUM ARSENITE
1955	8015-66-5	OIL ANSELICA	0451	10421-48-4	FERRIC NITRATE
1978	8016-68-0	SAVORY OIL	2539	12001-26-2	MICA
1176	8017-16-1	POLYPHOSPHORIC ACID	1223	12002-19-6	MERCUROL
1970	8021-39-4	BEECHWOOD CREOSOTE	0882	12002-48-1	TRICHLOROBENZENE
19	8022-19-3	SAFFRON OIL	1425	12007-69-5	AMMONIUM DENTABORATE
191	8022-22-8	SPIKENARD OIL	1620	12018-01-8	CHROMIUM DIOXIDE
1959	8024-14-4	LIATRIX OIL	0476	12027-06-4	AMMONIUM IODIDE
1920	8028-89-5	CARAMEL COLOR	0385	12068-21-2	SODIUM DODECYLBENZENESULFONATE
1940	8030-89-5	RUM ETHER	2013	12075-68-2	ETHYLALUMINUM SESQUICHLORIDE
1976	8049-47-6	PANCREATIN	0207	12124-97-9	AMMONIUM BROMIDE
1966	8057-62-3	PASSION FLOWER EXTRACTS	0880	12168-85-3	TRICALCIUM SILICATE
0201	8065-48-3	SYSTOX	2015	12263-85-3	METHYL ALUMINUM SESQUIBROMIDE
1914	9000-01-5	ACACIA	0677	12640-89-0	SELENIUM DIOXIDE
1929	9000-05-9	GUM BENZOIN	0643	12737-98-3	LEAD TUNGSTATE
1906	9000-07-1	CARRAGEENIN GUM	*2732	13075-01-9	BENZENE, 1,2,4-TRIBROMO, 3,5,6-TRICHLORO
1923	9000-29-7	GUM GUAIAIC	1782	13121-70-5	PLICITRAN
1302	9000-36-6	STERCULIA GUM	1754	13171-21-6	PHOSPHAMIDON
1908	9000-40-2	CAROB BEAN GUM	1715	13194-48-4	MOCAP
1915	9000-65-1	TRAGACANTH GUM	0350	13327-32-7	BERYLLIUM HYDROXIDE
1917	9000-69-5	APPLE PECTIN	0773	13396-41-3	SODIUM TETRAMETAPHOSPHATE
1902	9000-70-8	GELATIN	1828	13462-90-3	NICKEL IODIDE
1963	9001-98-3	RENNIN	0869	13463-67-7	TITANIUM DIOXIDE
1901	9002-18-0	AGAR-AGAR GEL	0574	13473-90-0	ALUMINUM NITRATE
0833	9002-84-0	TEFLON	1829	13478-00-7	NICKEL NITRATE, HEXAHYDRATE
1062	9003-05-8	POLYACRYLAMIDE	2532	13494-80-9	TELLURIUM
1069	9003-07-0	POLYPROPYLENE	0347	13510-49-1	BERYLLIUM SULFATE
1250	9003-20-7	POLYVINYL ACETATE	1190	13520-61-1	NICKEL PERCHLORATE, HEXAHYDRATE
1260	9003-27-4	POLYISOBUTYLENE	1186	13537-32-1	MONOFLUOROPHOSPHORIC ACID
0747	9003-31-0	POLYISOPRENE	0348	13598-15-7	BERYLLIUM PHOSPHATE
0205	9003-39-8	POLYVINYLPIRROLIDONE	0742	13601-19-9	SODIUM FERROCYANIDE
1931	9003-73-0	POLYLIMONENE	0690	13770-96-2	SODIUM ALUMINUM HYDRIDE
0959	9004-30-2	CARLUMINETHYL HYDROXYETHYL CELLULOSE	1991	13914-96-5	LEAD FLUOBORATE
0423	9004-57-3	ETHYLCELLULOSE	1750	14255-88-0	LOVOZAL
1921	9004-59-5	METHYL ETHYL CELLULOSE	*2677	14273-76-8	(6-CHLORO-2-METHYL-5-PYRIMIDYL)-ACETIC
0578	9004-62-0	HYDROXYETHYLCELLULOSE	0277	14486-19-2	CADMIUM FLUOBORATE
1973	9004-70-0	COLLODION	2530	14644-61-2	ZIRCONIUM SULFATE
0752	9004-82-4	SODIUM LAURYL SULFATE ETHOXYLATE	0589	14987-04-3	MAGNESIUM TRISILICATE
1927	9004-99-3	POLYETHYLENE GLYCOL STEARATE	1548	15096-52-3	CRYOLITE
1910	9005-34-9	AMMONIUM ALGINATE	1220	15385-57-6	MERCUROUS IODIDE
191	9005-35-0	CALCIUM ALGINATE	2160	15679-24-0	2,7-DIMETHYL PYRENE
1912	9005-36-1	POTASSIUM ALGINATE	1191	15843-02-4	NICKEL FORMATE
1907	9005-37-2	PROPYLENE GLYCOL ALGINATE	1014	15972-60-8	METACHLOR
1909	9005-38-3	SODIUM ALGINATE	0448	16103-66-5	FERRIC ARSENATE, DIHYDRATE
1918	9005-59-8	SODIUM PECTINATE	1160	16219-75-3	5-ETHYLIDENE-2-NORBORNENE

TDRN	REG NO	NAME
0824	16409-45-3	MENTHYL ACETATE
1736	16752-77-5	METHOMYL
2083	16872-11-0	FLUOROCBIC ACID
0472	16919-19-0	AMMONIUM SILICOFLUORIDE
2019	16923-95-8	ZIRCONIUM POTASSIUM FLUORIDE
0559	16940-81-1	HEXAFLUOROPHOSPHORIC ACID
2018	16961-83-4	FLUOSILICIC ACID
2020	17014-71-0	POTASSIUM PEROXIDE
1605	17194-00-2	BARIUM HYDROXIDE
1568	18181-70-9	IODOFENPHOS
2670	18619-18-6	((O-CHLOROPHENYL)THIO) ACETIC ACID
0774	19624-22-7	PENTABORANE
2755	20668-13-7	CARBANILIC ACID, O-CHLORO-METHYL ESTER
1983	21248-00-0	6-BROMOBENZOPYRENE
0575	21645-51-2	ALUMINUM HYDROXIDE
1035	25013-15-4	VINYLTOLUENE
2704	25103-09-7	ACETIC ACID, MERCAPTO ISOCTYL ESTER
1032	25154-52-3	NONYLPHENOL
0740	25155-30-0	SODIUM DODECYLBENZENE SULFONATE
1266	25322-69-4	POLYPROPYLENE GLYCOL
0616	25339-17-7	ISODECYL ALCOHOL
0493	25496-72-4	GLYCEROL MONOLEATE
1189	26062-94-2	POLY(1,4-BUTYLENE TEREPHTHALATE)
0775	26248-24-8	SODIUM TRIDECYLBENZENE SULFONATE
0892	26248-42-0	TRIDECANOL
0996	26264-06-2	CALCIUM DODECYLBENZENESULFONATE
0642	26265-65-6	LEAD THIOSULFATE
1989	26637-24-1	ISCOCTALDEHYDE
1443	26637-80-9	DIISOPROPYLBENZENE HYDROPEROXIDE
0351	26762-93-6	DIISOPROPYLBENZENE HYDROPEROXIDE
0386	27193-86-8	DCDECYLPHENOL
2783	27215-10-7	DIISOCTYL ACID PHOSPHATE
0756	27215-95-8	NONENE
0588	27554-26-3	DIISOCTYL PHTHALATE
1428	28300-74-5	ANTIMONY POTASSIUM TARTRATE
1554	31677-56-2	PROMECARB
2511	34590-94-8	DIPROPYLENE GLYCOL METHYL ETHER
2679	41011-01-2	ALPHA-BROMO-3-CHLOROACETOPHENONE
1997	41638-09-9	POTASSIUM DINITROBENZFLROXAN
2767	45650-15-5	CUFRIETHYLENEDIAMINE SOLUTION
2690	56961-05-8	ANILINE-2,6-DICHLORO-N,N-DIMETHYL
2744	56961-07-0	BIPHENYL, 4'-BROMO-3-METHYL
*2754	56961-11-6	CARBANILIC ACID, N-ETHYL-ISOPROPYL ESTE
2762	56961-47-8	CHLORO-(O-CHLOROPHENYL)-PHENYL METHANE

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PHONES LIST

APPENDIX B

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

* = DIRECT DIAL NUMBER
 TYPE: FOR 120 CPS LINE USAGE:
 V3405 = VADIC 3405 MODEMS
 V3467 = TELENET VADIC "SUPER MODEM" NODE--USERS WITH EITHER B212A OR V3405 MODEMS CAN USE THESE NUMBERS.
 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				205/251-2495			
AL	BIRMINGHAM	205/942-4141	B		205/251-2495			
AR	LITTLE ROCK	501/372-5780	FX B					
AZ	MESA				602/257-1552			
AZ	PHOENIX	602/249-9261	B		602/257-1552			
AZ	PHOENIX	602/249-3862	B212A	120				
AZ	SCOTTSDALE				602/257-1552			
AZ	TEMPE				602/257-1552			
AZ	TUCSON	602/622-2752	FX B		602/791-7541			
CA	ALHAMBRA	213/572-0999	FX B		213/956-8235			
CA	ANAHEIM				714/558-6061			
CA	BURLINGAME	415/348-4992	FX B		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	408/257-0593	CCITT RESTRICTED FOR OVERSEAS USE ONLY					
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	HOLLYWOOD				213/624-0901	B212A	120	
CA	HOLLYWOOD				213/624-1521	V3405	120	
CA	HUNTINGTON BEACH				714/558-6061			
CA	INGLEWOOD				213/624-5230			
CA	INGLEWOOD				213/937-3580			
CA	INGLEWOOD				213/624-0901	B212A	120	
CA	INGLEWOOD				213/624-1521	V3405	120	
CA	LONG BEACH				213/549-5150			
CA	LOS ALTOS				415/856-9930			
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	213/821-2257	FX B		213/822-9287			
CA	MOUNTAIN VIEW	415/961-7971	B		408/856-9930			
CA	MOUNTAIN VIEW	415/941-8450	B					
CA	NEWPORT BEACH	714/540-9560	B		714/558-6061			
CA	NEWPORT BEACH	714/540-0951	B212A	120				
CA	OAKLAND	415/465-7000	B		415/362-6200			
CA	OAKLAND	415/465-7471	B212A	120	415/956-5787	B212A	120	
CA	OAKLAND				415/956-5777	V3405	120	
CA	OXNARD	805/487-0482	B		805/659-4660			

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-B2-

CA PALO ALTO	415/856-9080	B		415/856-9930		
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	714/293-3590	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	415/391-8892	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	408/446-1470	B		408/279-8450		
CA SAN MATEO				415/595-0360		
CA SAN PEDRO	213/830-0775	FX B		213/549-5150		
CA SANTA ANA				714/558-6061		
CA SANTA BARBARA	805/687-6119	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		805/659-4660		
CA WOODSIDE				415/856-9930		
CO AURORA				303/623-0876		
CO AURORA				303/629-1821	B212A	120
CO BOULDER				303/623-0876		
CO BOULDER				303/629-1821	B212A	120
CO COLO. SPRINGS	303/471-9815	FX B				
CO DENVER	303/573-9981	B		303/623-0876		
CO DENVER	303/573-0177	B				
CO DENVER	303/572-1107	V3405	120			
CO DENVER	303/825-0635	B212A	120	303/629-1821	B212A	120
CO LAKEWOOD				303/623-0876		
CO LAKEWOOD				303/629-1821	B212A	120
CT BRIDGEPORT	203/579-7820	FX B				
CT DANBURY	203/743-1340	FX B				
CT DARIEN	203/655-8931	B		203/357-1800		
CT DARIEN	203/655-7951	212A	120			
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 HAVEN	203/789-0579	B		203/789-0211		
CT STAMFORD				203/357-1800		
CT WATERBURY	203/755-1153	FX B				
CT WEST HARTFORD				203/522-0344		
DC WASHINGTON	703/524-9215	B212A	120	202/347-3061	B212A	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		202/783-2050		
DC WASHINGTON*	301/656-2726		30			
DC WASHINGTON*	301/657-1896		30			
DC WASHINGTON*	301/496-1994	FTS	15/30			
DC WASHINGTON*	301/654-2540		15			
DC WASHINGTON*	301/492-1840	B202	120			
DC WASHINGTON*	301/652-4466	B212A	120			
DC WASHINGTON*	301/656-4773	V3405	120			
DE WILMINGTON	302/658-5261	FX B		302/737-8550		
FL CLEARWATER				813/224-9920		
FL CLEARWATER				813/223-1088	B212A	120
FL FT LAUDERDALE	305/467-7550	FX B		305/764-8880		
FL JACKSONVILLE	904/721-8100	B		904/356-0790		
FL MIAMI	305/374-7120	B		305/371-4801		
FL MIAMI	305/358-7271	B212A	120	305/371-4822	B212A	120
FL ORLANDO	305/841-6850	B		305/849-9600		
FL PENSACOLA	904/434-0134	FX B				
FL ST PETERSBURG	813/536-7823	B		813/823-3223		
FL TAMPA	813/885-5485	FX B		813/224-9920		
FL TAMPA				813/223-1088	B212A	120
FL W PALM BEACH	305/622-2871	FX B				

GA ATLANTA	404/659-6670	B		404/577-8911	
GA ATLANTA	404/581-0619	B212A	120	404/523-0834	B212A 120
GA SAVANNAH	912/352-7259	FX B			
HI HONOLULU	CONTACT HAWAII TELEPHONE COMPANY FOR ACCESS				
IA CEDAR RAPIDS	319/396-0600	FX B			
IA COUNCIL BLUFFS				402/341-7570	
IA COUNCIL BLUFFS				402/341-7733	B212A 120
IA DES MOINES	515/280-9600	B			
IA IOWA CITY	319/351-4046	FX B			
ID BOISE	208/343-4851	B			
IL APLINGTON HTS				312/372-4901	
IL ARLINGTON HTS				312/263-3069	B212A 120
IL ARLINGTON HTS				312/726-1957	V3405 120
IL CHAMPAIGN				217/384-0011	
IL CHICAGO	312/346-0201	B212A	120	312/263-3069	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 CICERO				312/263-3069	B212A 120
IL CICERO				312/726-1957	V3405 120
IL E. ST. LOUIS				314/231-8800	
IL FREEPORT	815/233-5585	B			
IL OAK PARK				312/372-4901	
IL OAK PARK				312/263-3069	B212A 120
IL OAK PARK				312/726-1957	V3405 120
IL PEORIA	309/673-2156	FX B			
IL ROCKFORD	815/398-6090	B			
IL SKOKIE				312/372-4901	
IL SKOKIE				312/263-3069	B212A 120
IL SKOKIE				312/726-1957	V3405 120
IL URBANA				217/384-0011	
IN EVANSVILLE	812/423-6885	FX B			
IN FT WAYNE	219/424-5162	FX B			
IN INDIANAPOLIS	317/926-1253	B212A	120		
IN INDIANAPOLIS	317/257-3461	B		317/635-9630	
IN MARION	317/662-0091	FX B			
IN MISHAWKA				219/234-9071	
IN OSCEOLA				219/234-9071	
IN SOUTH BEND	219/233-4163	B		219/234-9071	
KS KANSAS CITY	816/753-8900	B		816/474-1600	
KS KANSAS CITY				816/421-0375	B212A 120
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	502/361-2645	B212A	120		
LA BATON ROUGE	504/292-4050	B			
LA BATON ROUGE	504/292-2650	B212A	120		
LA LAFAYETTE	318/235-3501	FX B			
LA NEW ORLEANS	504/586-1071	B		504/524-0783	
LA NEW ORLEANS				504/524-6094	B212A 120
LA NEW ORLEANS	504/524-4371	B212A	120		
MA ARLINGTON	617/482-4677	B			
MA ARLINGTON	617/482-5622	B		617/338-1400	
MA BOSTON	617/482-4677	B			
MA BOSTON	617/482-5622	B		617/338-1400	
MA BOSTON	617/482-3386	B212A	120	617/542-0754	B212A 120
MA BOSTON	617/482-1854	V3405	120	617/338-7495	V3405 120
MA BROOKLINE	617/482-4677	B			
MA BROOKLINE	617/482-5622	B		617/338-1400	
MA BROOKLINE	617/482-3386	B212A	120	617/542-0754	B212A 120
MA BROOKLINE	617/482-1854	V3405	120	617/338-7495	V3405 120
MA CAMBRIDGE	617/482-4677	B			
MA CAMBRIDGE	617/482-5622	B		617/338-1400	
MA CAMBRIDGE	617/482-3386	B212A	120	617/542-0754	B212A 120
MA CAMBRIDGE	617/482-1854	V3405	120	617/336-7493	V3405 120
MA CHICOPEE	413/781-6830	B		413/739-7221	
MA HOLYOKE	413/781-6830	B		413/739-7221	
MA MEDFORD	617/482-4677	B			
MA MEDFORD	617/482-5622	B		617/338-1400	
MA MEDFORD	617/482-2386	B212A	120	617/542-0754	B212A 120
MA MEDFORD	617/482-1854	V3405	120	617/338-7495	V3405 120
MA NEWTON	617/482-4677	B			
MA NEWTON	617/482-5622	B		617/338-1400	

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MA NEWTON	617/482-2386	B212A	120	617/542-0754	B212A	120
MA NEWTON	617/482-1854	V3405	120	617/338-7495	V3405	120
MA QUINCY	617/482-4677	B				
MA QUINCY	617/482-5622	B				
MA QUINCY	617/482-3386	B212A		617/542-0754	B212A	120
MA QUINCY	617/482-1854	V3405	120	617/338-7495	V3405	120
MA SOMERVILLE	617/482-4677	B				
MA SOMERVILLE	617/482-5622	B		617/338-1400		
MA SOMERVILLE	617/482-3386	B212A	120	617/542-0754	B212A	120
MA SOMERVILLE	617/482-1854	V3405	120	617/338-7495	V3405	120
MA SPRINGFIELD	413/781-6830	B		413/739-7221		
MA WALTHAM	617/482-4677	B				
MA WALTHAM	617/482-5622	B		617/338-1400		
MA WALTHAM	617/482-3386	B212A	120	617/542-0754	B212A	120
MA WALTHAM	617/482-1854	V3405	120	617/338-7495	V3405	120
MD ANNAPOLIS	301/547-8100	B		301/962-5010		
MD BALTIMORE	301/547-8100	B		301/962-5010		
MD BETHESDA	703/841-0200	B		202/347-1400		
MD BETHESDA	703/524-9215	B212A	120	202/347-3061	B212A	120
MD BETHESDA	703/841-9330	V3405	120	202/347-6093	V3405	120
MD COLLEGE PARK	703/841-0200	B		202/347-1400		
MD DUNDALK	301/547-8100	B		301/962-5010		
MD ROCKVILLE	703/841-0200	B		202/347-1400		
MD SILVER SPRING	703/841-0200	B		202/347-1400		
MD TOWSON	301/547-8100	B		301/962-5010		
MI ANN ARBOR	313/665-2627	B		313/996-0351		
MI DETROIT	313/963-3388	B		313/964-5538		
MI DETROIT	313/725-9252	B212A	120	313/964-2988	B212A	120
MI DETROIT	313/963-2353	V3405	120			
MI GRAND RAPIDS	616/459-5069	FX B				
MI JACKSON	517/784-8522	B				
MI KALAMAZOO	616/385-3150	B				
MI PLYMOUTH	313/459-8900	B				
MI SOUTHFIELD	313/569-8350	B				
MI ST JOSEPH	616/429-2568	FX B				
MN MINNEAPOLIS	612/339-5200	B		612/339-0150		
MN MINNEAPOLIS	612/339-2415	B212A	120	612/338-3782	B212A	120
MN ST. PAUL				612/339-0150		
MN ST. PAUL	612/339-2415	B212A	120	612/338-3782	B212A	120
MO FLORISSANT				314/231-8800		
MO KANSAS CITY	816/753-8900	B		816/474-1600		
MO KANSAS CITY				816/421-0375	B212A	120
MO ST LOUIS	314/421-5110	B		314/231-8800		
MO ST LOUIS	314/621-4660	B212A	120			
MO ST LOUIS				314/241-8150	V3467	120
MS JACKSON	601/944-0860	FX B				
NE OMAHA	402/392-2970	B		402/341-7570		
NE OMAHA				402/341-7733	B212A	120
NC CHARLOTTE	704/372-9730	FX B		704/374-0371		
NC DAVIDSON	919/549-0441	B		919/549-8311		
NC DURHAM	919/549-0441	B		919/549-8311		
NC GREENSBORO	919/379-0034	FX B				
NC RALEIGH/DURHAM	919/549-0441	B		919/549-8311		
NC RES. TRI. PARK	919/549-0441	B		919/549-8311		
NC WINSTON-SALEM	919/725-1414	B		919/761-1957		
NC WINSTON-SALEM	919/725-9252	B212A	120			
NH MANCHESTER	603/669-0493	FX B				
NH NASHUA	603/889-8618	FX B				
NJ BAYONNE				201/623-6818		
NJ BAYONNE				201/483-3737	B212A	120
NJ ELIZABETH				201/623-6818		
NJ ENGLEWOOD CLFS	201/894-8250	B				
NJ JERSEY CITY				201/623-6818		
NJ JERSEY CITY				201/483-3737	B212A	120
NJ LYNHURST	201/460-0100	B				
NJ LYNHURST	201/460-0180	B212A	120			
NJ MOORESTOWN	609/235-3761	FX B				
NJ MORRISTOWN				201/623-6818		
NJ NEWARK	201/483-5937	B		201/623-6818		
NJ NEWARK	201/483-4878	B212A	120	201/483-3737	B212A	120
NJ PASSAIC				201/742-0858		
NJ PATERSON				201/742-0858		
NJ PISCATAWAY	201/981-1900	B				
NJ PRINCETON	609/452-8970	FX B				
NJ RAHNAY				201/623-6818		

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NJ TRENTON				609/392-6101	
NJ UNION	201/483-5937	B		201/623-6818	
NJ UNION CITY				201/623-6818	
NJ UNION CITY				201/483-3737	B212A 120
NJ WAYNE	201/785-4480	E			
NM ALBUQUERQUE	505/842-6036	B212A	120		
NV CARSON CITY	702/882-7810	B			
NV CARSON CITY	702/883-6546	B212A	120		
NV LAS VEGAS	702/386-1899	FX B		702/733-2158	
NV RENO	702/882-7810	B			
NY ALBANY	518/463-3111	FX B		518/445-9111	
NY BOFFALO	716/856-1400	E		716/847-0600	
NY BUFFALO	716/847-0500	B212A	120		
NY CORNING	607/962-5071	B			
NY HEMPSTEAD	516/794-3390	FX B		516/292-0320	
NY HUNTINGTON, LI	516/673-5780	FX B			
NY NEW YORK	212/689-0910	V3405	120	212/736-1800	V3405 120
NY NEW YORK	212/344-7445	B		212/736-7205	
NY NEW YORK	212/683-0131	B			
NY NEW YORK	212/350-9100	B		212/736-0099	
NY NEW YORK	212/551-9322	B		212/454-3430	
NY NEW YORK	212/532-8101	B212A	120	212/736-3521	B212A 120
NY NEW YORK	212/689-8850	B202	120		
NY NIAGARA FALLS	716/285-6691	FX B			
NY ROCHESTER	716/248-8000	B		716/454-3430	
NY SCHENECTADY				518/445-9111	
NY SYRACUSE	315/437-7111	B		315/472-5503	
NY TROY				518/445-9111	
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				216/696-4225	V3467 120
OH COLUMBUS	614/421-7270	B		614/463-1480	
OH DAYTON	513/223-3847	B		513/461-1570	
OH EUCLID				216/241-0940	
OH KENT				216/762-9791	
OH PARMA				216/241-0940	
OH TOLEDO	419/243-3144	FX B		419/243-8871	
OH YOUNGSTOWN				216/743-2296	
OK BETHANY	405/947-0561	B		405/232-4550	
OK NORMAN	405/947-0561	B		405/232-4550	
OK OKLAHOMA CITY	405/947-0561	B		405/232-4550	
OK TULSA	918/663-2220	B		918/584-3215	
OK TULSA	918/665-2750	B212A	120	918/584-3247	
OR PORTLAND	503/231-4050	B		503/243-2800	
OR PORTLAND	503/231-4077	B212A	120		
PA ALLENTOWN	215/433-6131	FX B		215/435-8268	
PA ERIE	814/453-7161	B			
PA HARRISBURG	717/236-1190	FX B			
PA PENN HILLS				412/288-9950	
PA PENN HILLS				412/288-9974	B212A 120
PA PHILADELPHIA	215/561-6120	B		215/574-0620	
PA PHILADELPHIA	215/567-1381	B212A	120	215/574-9662	B212A 120
PA PITTSBURGH	412/765-1320	B		412/288-9950	
PA PITTSBURGH	412/261-4151	B212A	120	412/288-9974	B212A 120
PA UPPER DARBY				215/574-0620	
PA UPPER DARBY				215/574-9662	B212A 120
PA VALLEY FORGE	215/666-9190	B			
PA YORK	717/846-4802	FX B			
RI PROVIDENCE	401/274-5783	FX B		401/272-9290	
RI WARWICK				401/272-9290	
SC COLUMBIA	803/252-0840	FX B			
SC GREENVILLE	803/271-2418	FX B			
TN CHATTANOOGA	615/756-5856	B			
TN KNOXVILLE	615/637-3118	FX B			
TN MEMPHIS	901/345-1111	B		901/525-2563	
TN MEMPHIS	901/345-7710	B212A	120		
TN NASHVILLE	615/244-5784	FX B		615/244-8310	
TN NASHVILLE	615/367-9382	B			
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	214/638-5600	B		214/748-0127	
TX DALLAS	214/688-1115	B212A	120	214/651-0192	B212A 120
TX DALLAS				214/748-6371	V3405 120

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TX EL PASO	915/544-9590	B			
TX FORT WORTH	214/263-2341	FX B		817/336-7791	
TX HOUSTON	713/785-4411	B		713/224-3380	
TX HOUSTON	713/977-4880	B			
TX HOUSTON	713/780-7496	V3405	120		
TX HOUSTON	713/977-7671	B212A	120	713/225-9359	B212A 120
TX LACKLAND				512/227-7784	
TX LONGVIEW	214/758-1756	FX B			
TX LUBBOCK	806/762-0136	FX B			
TX MIDLAND	915/683-5645	B			
TX ODESSA	915/563-3571	FX B			
TX SAN ANTONIO	512/696-4002	B		512/227-7784	
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	206-625-9937	B		206/447-9012	
WA BELLEVUE	206-625-8226	B212A	120	206/623-8937	B212A 120
WA RICHLAND	509/375-1975	B			
WA RICHLAND	509/375-3367	B212A	120		
WA SEATTLE	206/625-9900	B		206/447-9012	
WA SEATTLE	206/625-9937	B212A	120	206/623-8937	B212A 120
WA SPOKANE	509/838-8226	B212A	120		
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			
WV CHARLESTON	304/345-2908	FX B			

THE NLM TECHNICAL BULLETIN

AUGUST 1979

NO. 124

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NLM TECHNICAL BULLETIN - AUG 79

DATA BASE	TOTAL RECORDS	FILES DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	7,560	THROUGH 1979	25 AUG 79	
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	642,953	JAN 75-DEC 76	11 DEC 78	
*BIOETHICS	7,733	JAN 73-DEC 78	30 JUN 79	7906(EM)
*CANCERLIT	178,622	JAN 63-AUG 79	13 AUG 79	7908(ED)
*CANCERPROJ	18,641	1976-1979	16 JUL 79	7906(ED)
*CATLINE	189,939	1965-1979	25 AUG 79	
CHEMLINE	416,503		30 JUN 79	
*CLINPROT	1,520		08 MAY 79	7904(ED)
*EPILEPSY	24,177	1945-PRESENT	20 JAN 79	
*HEALTH	122,764	JAN 75-AUG 79	11 AUG 79	7909(EM)
*HISTLINE	37,256		08 AUG 79	
MEDLINE	552,470	JAN 77-SEP 79	06 AUG 79	7909(IM)
MESH VOC	14,819	1979	11 DEC 78	
*NAME AUTH	105,276	1979	11 AUG 79	
*RTECS	35,673	1978	20 MAR 79	
SDILINE	20,011	SEP 79	06 AUG 79	
*SERLINE	33,122	1979	27 AUG 79	
*TDB	2,507		21 MAY 79	
*TOXLINE	618,348		25 AUG 79	7908(ST)
CBAC	320,625	1974-VOL 30(2-4)		
TOXBIB	121,824	1974-SEP 79		
IPA	34,752	1974-JUN 79		
HEEP	74,734	1974-VOL 8(6-9)		
PESTAB	16,063	1974-JUN 79		
EMIC	24,290	1960-JUN 79		
ETIC	15,301	1950-MAR 79		
RPROJ	8,921	SEP, OCT 79		
*TOXBACK	379,299		26 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) 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 20209
301/496-6193

TECHNICAL NOTES

PLEASE QUERY THE ONLINE 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.

120 CPS
SERVICE

- The following numbers have recently been installed allowing 120 cps access for either BELL 212A or VADIC 3405 or compatible modems. Other cities will be added in the future.

Direct Dial (Washington, DC metro area):
301/656-4774

TELENET:

CA	Los Angeles	
CA	Inglewood	213/624-8365
CA	Hollywood	
IL	Springfield	217/753-1373
MO	Florissant	314/241-8150
MO	St. Louis	
OH	Cleveland	216/696-4255
OK	Oklahoma City	405/232-4546

PRINT COMPR

- Reminder: PRINT COMPRESSED or PRINT COMPR is an online print command that strings out entries for data elements having more than one item of information. Offline and OFFSEARCH prints have always been in the compressed format and COMPRESSED or COMPR does not need to be specified.

RESEARCH
SUPPORT

- The government research support MeSH headings are searchable using abbreviated data forms as follows:

MESH HEADING
AND SCOPE

DATA FORM

UNITED STATES GOV'T
SUPPORTED, P.H.S.
(for searching either NIH or
PHS government support)

GOVT SUP PHS

UNITED STATES GOV'T
SUPPORTED
(for searching government
support other than NIH or
PHS)

GOVT SUP

Use both data forms in an "OR" statement to retrieve all government support.

The corresponding check tags used in indexing were listed incorrectly on page 31 of the NLM Online Services Update, 1979.

CANCERLIT
JOURNALS
(Manual 16)

- The list of journals reviewed for CANCERLIT is now available. Please address your written requests for a copy to MEDLARS Management Section.

FUTURE
CANCERLIT
SERVICES

- Several requests have been received by MEDLARS Management Section and the National Cancer Institute for items mentioned in the June, 1979 (no. 122) Technical Bulletin article, "CANCERLINE: Five Years Later." None of these services is presently available; an announcement will be made in the Technical Bulletin when each becomes available.

VERSION -
MINOR
DESCRIPTOR
(Manual 4.9.26)

- The minor descriptor VERSION is processed by the computer as the VERSION command when the descriptor is searched without an asterisk or subheadings as the first entry in a search statement. This entry will be accepted by the computer as a minor descriptor if entered as:

- 1) (space)VERSION
- 2) VERSION(MH) with no space between the descriptor and category qualifier
- 3) FIND VERSION

ACCESS
PROBLEMS
(Manual 3.5+)

- Occasionally, access problems are encountered via the TYMNET and TELENET networks. When reporting problems to MEDLARS Management Section, try to include the line/port number which appeared on the terminal as well as the telephone number called. For example:

TYMNET:

PLEASE TYPE YOUR TERMINAL IDENTIFIER
-1022-02-- ← line/port number
PLEASE LOG IN:

TELENET:

(CR) (CR)
TELENET
202 8A ← line/port number

TERMINAL=

This line/port number is important in trying to isolate and fix problems.

**NEUROSCIENCE
SEARCHES**

- The National Institute of Neurological and Communicative Disorders and Stroke (NINCDS) is announcing the availability of seven neuroscience search strategies. The topics are:

- Sleep
- Neuroendocrine control mechanisms
- Neurochemical transmitters
- Developmental neurobiology
- Cerebral evoked potentials
- Neuroimmunology
- Peptides of the nervous system

Interested persons are being asked to write to

Office of Scientific and Health Reports
NINCDS/NIH
Building 31, Room 8A06
9000 Rockville Pike
Bethesda, Maryland 20205

for copies of the strategies which they can take to their nearest MEDLINE center or RML for processing. These strategies were formulated for processing against SDILINE on a regular basis (average retrieval of 100 citations per month). The announcement also states that the strategies may be modified by the searcher at the MEDLINE center to better fit the specific needs of the user.

**OFFPRINT
PAPER SIZE**

- NLM plans to reduce the size of offprints from 10 x 11 inches to 6½ x 8½ inches. A smaller typeface will also be used so the number of pages generated per search will remain the same. This change involves all offprints including regular offline prints, offsearches and automatic SDIs at NLM only. SUNY prints will remain unchanged. The change will be implemented as soon as the smaller paper and mailing envelopes are available, hopefully by early November 1979.

NOTICE OF ELIMINATION OF SOME ONLINE USER CHARGES

Effective October 1, 1979, the following charges will be dropped for all U.S. online centers:

- \$15.00 monthly minimum charge for each ID code
- \$1.00 monthly storesearch charge
- All surcharges for additional ID codes

SEARCHING NAMED GROUPS IN MEDLINE

Clifford A. Bachrach, M.D.

In recent years, an increasing number of journal articles are concerned with the activities of named organizations or report work done by named research groups. Sometimes the group name appears on the article in place of the names of individual authors and sometimes in addition to named individuals.

There are occasions when users of MEDLINE are interested in finding all references to one of these groups. For the indexer to check these names against a name authority file in order to insure consistency of usage would involve substantial costs and delays. Yet NLM has never wanted to include "corporate names" as authors without such a check. Therefore, the indexers have long been instructed to include any group name as part of the title of the article if it appeared either with the title, or in place of or in addition to individual named authors. This instruction is now being repeated and re-inforced. In addition, indexers are being instructed to include, as part of the title of a letter, the name of any group that appears as the signer of the letter.

The online searcher who wants all citations dealing with a particular group may avail himself of the text word searching capability of MEDLINE. By "anding" the individual words of the group name one may retrieve not only the citations authored by the group, but some articles and letters authored by others, commenting on the group's activities and reports.

In text word searching on group names it is frequently not essential to use every word in the name but only enough to give a specific retrieval. Thus, (TW) coronary and drug and project, will retrieve articles authored by, or about the Coronary Drug Project Research Program. A search using all five title words will eliminate some citations where the program is referred to as the Coronary Drug Project. One may search (TW) Boston and Surveillance and retrieve citations about the Boston Collaborative Drug Surveillance Program even if one didn't remember the full name.

Through NIH, groups sponsored by NIH are being requested to assure that each group authored paper is clearly identified with the official group name, either as part of the title, or along with or in place of individual author names. Editors of journals publishing these papers will be urged to cooperate in this measure to facilitate the retrieval of the group publications.

AVLINE UPDATE
Alice E. Jacobs, Technical Services Division, NLM

CLARIFICATION OF SERIALS POLICY

Individual titles issued as parts of audiovisual materials treated as serials at NLM are not cataloged separately for entry into AVLINE. Bibliographic records for the serial titles only are carried in both AVLINE and CATLINE, with minor differences.

However, the Index to Audiovisual Serials in the Health Sciences does provide access to individual titles in a select group of audiovisual serials. This publication, which provides citations in an Index Medicus format, is derived from NLM's computerized retrieval system, but is published and distributed by the Medical Library Association. Audiovisual serial titles included in this publication are indicated by the review tag INDEXED (RD) carried in the AVLINE record.

Note: This information is available in the hard copy publication only; there is not an online file.

CLARIFICATION OF REVISION INDICATOR

In the AVLINE record, the revision indicator field (RI) is the clue that the cataloging has undergone a major bibliographic change. The two symbols currently used in this field are outlined below.

rev - for records that have had major revision to bibliographic data elements

rev CIP - for revised CIP records

This field is searchable and prints with the command PRINT DETAILED. The revision indicator symbol is also included in the citation published in the National Library of Medicine Audiovisuals Catalog where it is located next to the citation number on the last line of the entry. Most records which have undergone major revision to bibliographic data during the year are republished in the 4th Quarterly, which is also the annual cumulation for that year.

NOTE: Beginning with the January 1980 issue, the Technical Bulletin will be printed on 8-1/2" x 11" paper to comply with the new federal standards.

NLM TECHNICAL BULLETIN - AUG 79

NEW SERIALS ANNOUNCEMENT - JULY 1979
Serial Records, Technical Services Division, NLM

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

ABSTRACTS OF PAPERS OF THE NATIONAL MEETING
- AMERICAN ASSOCIATION FOR THE ADVANCEMENT
OF SCIENCE
144TH, 1978--
THE ASSN
CONTINUES CONTRIBUTED PAPERS OF THE
NATIONAL MEETING - AMERICAN ASSOCIATION FOR
THE ADVANCEMENT OF SCIENCE.
WASHINGTON UNITED STATES
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF
SCIENCE, 1515 MASSACHUSETTS AVENUE, N.W.
WASHINGTON, D.C. 20005
MI AB884H

ACP ANNUAL SESSION (SESSION RECORDING)
1978-
AMERICAN COLLEGE OF PHYSICIANS
CALLED ALSO: ACP AUDIO CASSETTE PROGRAM. A
POSTGRADUATE EDUCATION PROGRAM FROM THE
AMERICAN COLLEGE OF PHYSICIANS. RECORDED
ON BOTH SIDES.
PHILADELPHIA UNITED STATES
MI A1137M

ADVANCES IN SHOCK RESEARCH
1, 1979--
ALAN LISS
NEW YORK UNITED STATES
IN PROCESS

AGING AND LEISURE LIVING
1, 1978--
MODERN LIFE SYSTEMS, INC.
SUPERSEDES CONCERN IN CARE OF THE AGING
RANDOM LAKE MI UNITED STATES
MODERN LIFE SYSTEMS INC. 453 FIFTH STREET
-RANDOM LAKE, MI 53075
ON ORDER

AMERICAN JOURNAL OF FORENSIC PSYCHIATRY
1, MAY 1978--
R. SHLENSKY
CHICAGO UNITED STATES
231 EAST CHICAGO AVENUE CHICAGO ILLINOIS
60611
MI AM451S

AMINO-ACID, PEPTIDE & PROTEIN ABSTRACTS.
SPECIAL PUBLICATION
1, 1977--
INFORMATION RETRIEVAL LTD
LONDON ENGLAND
MI AM885L

BIOELECTROMAGNETICS
1, 1980--
LISS
NEW YORK UNITED STATES
ON ORDER - UCLA

CELL CALCIUM
1, 1980--
CHURCHILL LIVINGSTONE
EDINBURGH SCOTLAND
ON ORDER - UCLA

IM CIRCULATORY SHOCK. SUPPLEMENT
1, 1979--
LISS
NEW YORK UNITED STATES
ALAN R LISS, INC. 150 5TH AVE., NEW YORK,
NY 10011
MI C1745KB

CLINICA E TERAPEUTICA
6, 1977--
MOREIRA JR. EDITORA MEDICA LTDA
CONTINUES REVISTA BRASILEIRA DE CLINICA E
TERAPEUTICA. RUNNING TITLE: REVISTA
BRASILEIRA DE CLINICA E TERAPEUTICA.
PUBLISHED ALSO IN AN ABSTRACT ED.
SAO PAULO BRAZIL
MI CL367T

CLINICAL MICROBIOLOGY NEWSLETTER
1, 1979--
G.K. HALL
BOSTON UNITED STATES
70 LINCOLN ST. BOSTON, MASSACHUSETTS 02111
IN PROCESS

IM CLINICAL SCIENCE
56, JAN 1979--
MEDICAL RESEARCH SOCIETY
CONTINUES CLINICAL SCIENCE AND MOLECULAR
MEDICINE. PUBLISHED BY THE MEDICAL
RESEARCH SOCIETY AND THE BIOCHEMICAL
SOCIETY.
LONDON ENGLAND
MI CL783AB

COMPREHENSIVE ENDOCRINOLOGY
1, 1979--
RAVEN PRESS
NEW YORK UNITED STATES
ON ORDER - UCLA

NLM TECHNICAL BULLETIN - AUG 79

- CURRENT CARDIOLOGY
1,1979--
HOUGHTON MIFFLIN
BOSTON UNITED STATES
ON ORDER - UCLA
- CURRENT CHEMICAL REACTIONS
1,1979--
INSTITUTE FOR SCIENTIFIC INFORMATION
PHILADELPHIA UNITED STATES
Z 5524 C9742
- CURRENT PERSPECTIVES IN NURSING MANAGEMENT
1,1979--
C.V.MOSBY
ST. LOUIS UNITED STATES
IN PROCESS
- CYSTIC FIBROSIS GAP CONFERENCE REPORT
3N1,1979--
CYSTIC FIBROSIS FOUNDATION
CONTINUES CYSTIC FIBROSIS CONFERENCE
REPORTS.
ROCKVILLE MD UNITED STATES
IN PROCESS
- DENTAL GRADUATE
57N4, JAN 1979--
STEVENS PUB. CORP
ASSUMES VOL. NUMBERING OF DENTAL STUDENT.
INFORMATION FORMERLY INCLUDED IN DENTAL
STUDENT.
WACO TX UNITED STATES
W1 DE198
- IM DIAGNOSTIC IMAGING
48,1979--
KARGER
CONTINUES RADIOLOGIA CLINICA.
BASEL SWITZERLAND
ON ORDER-UCLA
- DIRECTORY OF CANCER RESEARCH INFORMATION
RESOURCES
1977--
U.S.NATIONAL CANCER INSTITUTE
BETHESDA MD UNITED STATES
U.S. NATIONAL CANCER INSTITUTE, NATIONAL
INSTITUTES OF HEALTH BETHESDA, MD 20014
IN PROCESS
- DIRECTORY OF FEDERAL HEALTH/MEDICINE GRANTS
AND CONTRACTS PROGRAMS
1979--
SCIENCE AND HEALTH PUBLICATIONS
BETHESDA MD UNITED STATES
SCIENCE AND HEALTH PUBLICATIONS, INC. 6410
ROCKLEDGE DRIVE, SUITE 208 BETHESDA, MD
20034
IN PROCESS
- EKSPERIMENTALNAIA MEDITSINA
1,1978?--
REDAKTSIONNAIA KOLLEGIJA SERII
RIGA USSR
IN PROCESS
- EMERGENCY
10N2, FEB 1978--
CONTINUES EMERGENCY PRODUCT NEWS.
CARLSBAD CA UNITED STATES
P.O. BOX 159, CARLSBAD, CA 92008
ON ORDER
- IM EUROPEAN JOURNAL OF CELL BIOLOGY
19, APR 1979--
WISSENSCHAFTLICHE VERLAGSGESELLSCHAFT MBH
CONTINUES CYTOBIOLOGIE. JOURNAL OF THE
DEUTSCHE GESELLSCHAFT FUR
ELEKTRONENMIKROSKOPIE AND OF THE DEUTSCHE
GESELLSCHAFT FUR ZELLBIOLOGIE. ISSUED
UNDER THE AUSPICES OF THE EUROPEAN CELL
BIOLOGY ORGANIZATION.
STUTTGART GERMANY, WEST
W1 EU72BJ
- GERIATRIC MEDICINE
9N4?, APR 1979--
MODERN MEDICINE PUBLICATIONS
ISSUE FOR APR. 1979 HAS NO VOL. NUMBERING
BUT CONSTITUTES V. 9, NO. 4. CONTINUES
MODERN GERIATRICS.
BECKENHAM ENGLAND
W1 GE457BC
- GINECOLOGIA Y PERINATOLOGIA
N1, MAR 1978--
HOSPITAL MATERNIDAD DE LIMA
LIMA PERU
IN PROCESS
- IM HENRY E. SIGERIST SUPPLEMENTS TO THE
BULLETIN OF THE HISTORY OF MEDICINE
1,1978--
JOHNS HOPKINS UNIV. PRESS
VOLS. FOR 1978- CALLED ALSO NEW SERIES.
SUPERSEDES BULLETIN OF THE HISTORY OF
MEDICINE. SUPPLEMENTS WHICH WAS PUBLISHED
1943-51.
BALTIMORE UNITED STATES
W1 HE896
- HOSPITAL MATERIEL MANAGEMENT QUARTERLY
IN1, JUL 1979--
ASPEN SYSTEMS
GERMANTOWN MD UNITED STATES
ASPEN SYSTEMS CORP. 20010 CENTURY BLVD.
GERMANTOWN, MD. 20767
ON ORDER
- INTERCHANGE
IN2, MAR 1979--
NATIONAL HEALTH CARE MANAGEMENT CENTER.
UNIVERSITY OF PENNSYLVANIA
PHILADELPHIA UNITED STATES
NATIONAL HEALTH CARE MANAGEMENT CENTER THE
UNIVERSITY OF PENNSYLVANIA 3641 LOCUST WALK
CE PHILADELPHIA, PA 19104
IN PROCESS
- INTERNATIONAL FAMILY PLANNING PERSPECTIVES
5,1979--
ALAN GUTTMACHER INSTITUTE
CONTINUES INTERNATIONAL FAMILY PLANNING
PERSPECTIVES AND DIGEST
NEW YORK UNITED STATES
ADDRESS: ALAN GUTTMACHER INSTITUTE, 515
MADISON AVE., NY , NY 10022.
IN PROCESS
- INTERNATIONAL SPORT SCIENCES
1,1979--
FRANKLIN INSTITUTE PRESS
PHILADELPHIA UNITED STATES
ON ORDER - UCLA

NLM TECHNICAL BULLETIN - AUG 79

IRB; A REVIEW OF HUMAN SUBJECTS RESEARCH
1,MAR,1979--
HASTINGS CENTER, INSTITUTE OF SOCIETY,
ETHICS AND THE LIFE SCIENCES
HASTINGS-ON-HUDSON UNITED STATES
WI I268G

ITALIAN JOURNAL OF GASTROENTEROLOGY
10N1,1978--
PICCIN MEDICAL BOOKS
CONTINUES RENDICONTI DI GASTROENTEROLOGIA.
ROMA ITALY
PICCIN EDITORE VIA BRUNACCI 12 35100,
PADOVA, ITALY
IN PROCESS

JOURNAL OF BEHAVIORAL MEDICINE
1,MAR,1978--
PLENUM PRESS
NEW YORK UNITED STATES
WI J0555P

JOURNAL OF LEGAL MEDICINE
1,APR 1979--
AMERICAN COLLEGE OF LEGAL MEDICINE
CHICAGO UNITED STATES
1340 NORTH ASTOR ST., CHICAGO, IL 60610
ON ORDER

JOURNAL OF MUSCLE RESEARCH AND CELL MOTILITY
1,FEB 1980--
CHAPMAN AND HALL
LONDON ENGLAND
ON ORDER

JOURNAL OF NURSING ADMINISTRATIONS ANNUAL
CONFERENCE [SOUND RECORDING]
1ST,1978-
TEACHEM
CALLED ALSO: JOURNAL OF NURSING
ADMINISTRATIONS NATIONAL CONFERENCE. SPINE
TITLE: JONAS NATIONAL CONFERENCE. RECORDED
ON BOTH SIDES.
CHICAGO UNITED STATES
WI J0796S

KHIRURGICHESKAIA I ORTOPEDICHESKAIA
STOMATOLOGIIA
8,1978--
ZDOROVIA
CONTINUES KHIRURGICHESKAIA STOMATOLOGIIA.
KIEV USSR
IN PROCESS

KNOWLEDGE: CREATION. DIFFUSION. UTILIZATION
1,SEPT 1979--
SAGE PUBLICATIONS
BEVERLY HILLS CA UNITED STATES
ON ORDER

MODERN PEDIATRIC QUARTERLY
1,1980--
CHURCHILL LIVINGSTONE
EDINBURGH SCOTLAND
ON ORDER - UCLA

MULTIPLE IMAGING PROCEDURES
1,1979--
GRUNE AND STRATTON
NEW YORK UNITED STATES
IN PROCESS

NIGERIAN JOURNAL OF MEDICAL SCIENCES
1,1979--
NIGERIA. NATIONAL INSTITUTE FOR MEDICAL
RESEARCH
YABA NIGERIA
EDITOR-IN-CHIEF, NIGERIAN JOURNAL OF
MEDICAL SCIENCES C/O NATIONAL INSTITUTE FOR
MEDICAL RESEARCH EDMUND CRESCENT (OFF CITY
WAY) PMB 2013, YABA, NIGERIA
WI NI392E

NSCA ANNUAL
1,1978--
NATIONAL SOCIETY FOR CLEAN AIR
CONTINUES CLEAN AIR YEARBOOK SECTION 1.
LONDON ENGLAND
ON ORDER

NURSING JOURNAL
1978--
UNIV. OF STO. TOMAS, COLLEGE OF NURSING
SUPERSEDES SANTO TOMAS NURSING JOURNAL.
CALLED ALSO: UST NURSING JOURNAL
MANILA PHILIPPINES
WI NU631

IM OTOLARYNGOLOGY
86,1978--
AMERICAN ACADEMY OF OTOLARYNGOLOGY
VOL. NUMBERS ALTERNATE WITH THOSE OF
OPHTHALMOLOGY. CONTINUES IN PART
TRANSACTIONS - AMERICAN ACADEMY OF
OPHTHALMOLOGY AND OTOLARYNGOLOGY. OFFICIAL
JOURNAL OF THE AMERICAN ACADEMY OF
OTOLARYNGOLOGY.
ROCHESTER MN UNITED STATES
WI OT52I

PSIQUIATRIA CONTEMPORANEA
1,1979--
EDITOR ABAETE LTDA
SAO PAULO BRAZIL
ON ORDER

PSYCHIATRIC MEDICINE UPDATE
1979--
ELSEVIER NORTH HOLLAND
NEW YORK UNITED STATES
IN PROCESS

QUADERNI DI ERBORISTERIA
1,1978--
CLESAV
MILANO ITALY
ON ORDER

QUARTERLY/JOURNAL - AMERICAN ASSOCIATION
FOR AUTOMOTIVE MEDICINE
1N1,1979--
AMERICAN ASSOCIATION FOR AUTOMOTIVE MEDICINE
SUPERSEDES QUARTERLY - AMERICAN ASSOCIATION
FOR AUTOMOTIVE MEDICINE.
MORTON GROVE IL UNITED STATES
IN PROCESS

NLM TECHNICAL BULLETIN - AUG 79

RECENT STUDIES IN HEALTH SERVICES RESEARCH
1,1976--

U. S. DEPT. OF HEALTH, EDUCATION, AND
WELFARE, PUBLIC HEALTH SERVICE, HEALTH
RESOURCES ADMINISTRATION, NATIONAL CENTER
FOR HEALTH SERVICES RESEARCH
DHEW PUBLICATION ; NO. (HRA) 77-3162, ETC.
ISSUE FOR 1976? IS UNDATED AND HAS NO VOL.
NUMBERING BUT CONSTITUTES V. 1.
ROCKVILLE, MD UNITED STATES
NATIONAL CENTER FOR HEALTH SERVICES
RESEARCH 5600 FISHERS LANE, ROOM 15-30,
ROCKVILLE, MARYLAND 20852
W 20.5 R237

REVIEW OF INFECTIOUS DISEASES
1,1979--

UNIVERSITY OF CHICAGO PRESS
CHICAGO UNITED STATES
ON ORDER

RIVISTA ITALIANA DI ELETTROENCEFALOGRAFIA E
NEUROFISIOLOGIA

1, APR 1978--
AULO GAGGI EDITORE
BOLOGNA ITALY
IN PROCESS

SCIENCE 80

1,1979--
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF
SCIENCE
WASHINGTON UNITED STATES
ON ORDER

SEMINARS IN RESPIRATORY MEDICINE

1,1979--
STRATTON INTERCONTINENTAL BOOK CO.
NEW YORK UNITED STATES
ON ORDER - UCLA

SHUTSUGO TAISHA KENKYUKAI SHI. JAPANESE
JOURNAL OF SURGICAL METABOLISM AND NUTRITION

1977--
JAPAN ACADEMY OF SURGICAL METABOLISM AND
NUTRITION
TOKYO JAPAN
IN PROCESS

STATISTICAL NOTES FOR HEALTH PLANNERS
N7,1978--

U.S. NATIONAL CENTER FOR HEALTH STATISTICS
HYATTSVILLE MD UNITED STATES
NATIONAL CENTER FOR HEALTH STATISTICS 3700
EAST-WEST HIGHWAY HYATTSVILLE, MARYLAND
ON ORDER

SURGICAL TECHNOLOGIST

11N1,1979--
ASSOCIATION OF SURGICAL TECHNOLOGISTS, INC.
CONTINUES OR TECH.
LITTLETON CO UNITED STATES
IN PROCESS

ULTRASTRUCTURAL PATHOLOGY

1,1979--
MCGRAW HILL
NEW YORK UNITED STATES
ON ORDER

WASHINGTON ACTIONS ON HEALTH AND HEALTH
CARE WEEK

5N11,1979--
PLUS PUBLICATION, INC.
CONTINUES WASHINGTON ACTIONS ON HEALTH
WASHINGTON UNITED STATES
W1 WAS7J

LIST OF MONOGRAPHS INDEXED
SEPTEMBER 1979

N

Neural trauma / edited by A. John Popp ... [et al.]. —
New York : Raven Press, c1979. xv, 389 p. : ill. —
(Seminars in neurological surgery series) Proceedings of
a conference sponsored by the Subcommittee on
Continuing Education II (Expanded Program), American
Association of Neurological Surgeons, and Congress of
Neurological Surgeons, held in Chicago, 1978.
1. Brain Injuries, Acute - congresses 2. Head Injuries
- congresses 3. Spinal Cord Injuries - congresses
I. Popp, A. John, 1941- ed. II. American
Association of Neurological Surgeons. III. Congress
of Neurological Surgeons. IV. Joint Education
Committee of the AANS-CNS. Subcommittee on
Continuing Education II. V. Series
ISBN 0-89004-257-8 LC: 78-24627
04NLM: WL 354 N494 1978
IM Cit. No. 7900336 (rev. CIP.)

S

Symposium on Viral Hepatitis, 2d, University of California,
San Francisco, 1978. Viral hepatitis : a contemporary
assessment of etiology, epidemiology, pathogenesis, and
prevention : proceedings of the second Symposium on
Viral Hepatitis, University of California, San Francisco,
March 16-19, 1978 / edited by Girish N. Vyas, Stephen
N. Cohen, Rudi Schmid. — Philadelphia : Franklin
Institute Press, c1978. xiii, 748 p. : ill. Sponsored by
the School of Medicine, University of California, San
Francisco and other agencies. Proceedings of the 1st
symposium, without symposium name, entered under
title: Hepatitis and blood transfusion.
1. Hepatitis, Viral, Human - congresses I. Cohen,
Stephen N., 1936- ed. II. Schmid, Rudi, 1922-
ed. III. Vyas, Girish N., ed. IV. University of
California, San Francisco. School of Medicine. V.
Title VI. Title: Hepatitis and blood transfusion
ISBN 0-89168-013-6 LC: 78-111300
04NLM: W3 SY732H 2d 1978v
04NLM: [WC 536 S983 1978v]
IM Cit. No. 7905429

V

Vestibular mechanisms in health and disease : VI
extraordinary meeting of the Barany Society / edited
by J. D. Hood. — London ; New York : Academic Press,
1978. xvii, 378 p. : ill. Meeting held at Imperial College,
London, Sept. 11-15, 1977.
1. Nystagmus - congresses 2. Vestibular Apparatus
- congresses 3. Vestibular Apparatus - physiology
- congresses I. Hood, J. D., ed. II. Barany
Society. III. Title: Meeting on vestibular mechanisms
in health and disease
ISBN 0-12-354250-2 LC: 77-94303
04NLM: WV 255 V583 1977
IM Cit. No. 7905428

THE NLM TECHNICAL BULLETIN

SEPTEMBER 1979

NO. 125

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PHONES LIST	APPENDIX A
CATEGORY QUALIFIER CHANGES	APPENDIX B

DATA BASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	7,680	THROUGH 1979	21 SEP 79	
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	642,953	JAN 75-DEC 76	11 DEC 78	
*BIOETHICS	7,733	JAN 73-DEC 78	30 JUN 79	7906(EM)
*CANCERLIT	183,433	JAN 63-SEP 79	13 AUG 79	7909(ED)
*CANCERPROJ	18,641	1976-1979	16 JUL 79	7906(ED)
*CATLINE	191,053	1965-1979	21 SEP 79	
CHEMLINE	425,112		20 SEP 79	
*CLINPROT	1,520		08 MAY 79	7904(ED)
*EPILEPSY	25,635	1945-PRESENT	16 SEP 79	
*HEALTH	125,608	JAN 75-AUG 79	16 SEP 79	7910(EM)
*HISTLINE	37,256		08 AUG 79	7908(EM)
MEDLINE	573,960	JAN 77-OCT 79	08 SEP 79	7910(IM)
MESH VOC	14,819	1979	11 DEC 78	
*NAME AUTH	105,873	1979	08 SEP 79	
*RTECS	36,851	1978	07 SEP 79	
SDILINE	21,543	OCT 79	08 SEP 79	
*SERLINE	33,122	1979	27 AUG 79	
*TDB	2,515		19 SEP 79	
*TOXLINE	628,743		24 SEP 79	7909(ST)
CBAC	326,675	1974-VOL 30(5)		
TOXBIB	123,868	1974-OCT 79		
IPA	35,265	1974-JUL 79		
HEEP	75,876	1974-VOL 8(10)		
PESTAB	16,063	1974-JUN 79		
EMIC	24,290	1960-JUN 79		
ETIC	15,301	1950-MAR 79		
RPROJ	9,567	NOV 79		
*TOXBACK	379,299		26 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) 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 20209
301/496-6193

TECHNICAL NOTES

PLEASE QUERY THE ONLINE 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.

TRAINING - Correspondence and calls regarding online training should be directed to:

Ms. Yvonne B. Scott
Acting Head, Training Unit
MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, Maryland 20209
(301) 496-6193

RTECS REGENERATION (Manual PART 14) - The RTECS file was regenerated on September 7th at NLM and now contains 36,851 records. This represents the second quarterly update (July 1979). The entry month tags are 7906, 7906, and 7907. Please see the RTECS article in this issue on pages 5-7 for more discussion on the RTECS regeneration.

PRINT CC FOR AVLINE (Manual PART 9) - Effective August 27, PRINT CC is available as an online only printing format for AVLINE (in addition to CATLINE). This command will print the AVLINE citations retrieved in PRT CC or PRINT CAT CARD. Please see the AVLINE UPDATE article in this issue on pages 7 and 8 which more fully explains this new command and provides an example.

OFFSEARCH (Manual PART 5) - Reminder: If a command is entered at SSNOS/OVRIDES? in an OFFSEARCH, instead of the search statement numbers requested, the OFFSEARCH will be cancelled.

- Reminder: When performing a STRINGSEARCH in an OFFSEARCH, answering NO to the Continue (Yes or No) prompt will cancel the STRINGSEARCH. One must continue through the continuation messages and receive the postings statement in order to "save" the STRINGSEARCH in the OFFSEARCH.

FILES - The online NEWS file available on the NLM computer (not SUNY) has been expanded to include a selected list of frequently updated/used data bases. The following informa-

tion is provided for each file: total records, dates covered, date last updated, and latest update tag. Files information will always appear as the last item in the NEWS. The complete files list will continue to be printed each in the NLM Technical Bulletin.

PHONES - Appendix A is an updated listing of computer access telephone numbers for NLM and SUNY.

STANDARDIZATION OF CATEGORY QUALIFIERS
AND NAMES OF ELHILL DATA ELEMENTS
Lou S. Knecht, MEDLARS Management Section, NLM

As an aid to the users of the NLM online services, the category qualifiers (mnemonics) and names of all data elements have been standardized across all of the NLM data bases. The changes will be implemented for the January 1980 files. A complete list of the changes is provided in Appendix B.

This internal standardization should simplify the use and teaching of the NLM online services. In addition, it will simplify the adoption of an industry-wide or national standard if one is developed.

The standardization was accomplished through a working committee of NLM staff members following guidelines established by the NLM Automated Data Processing Advisory Group.

Examples of the changes are:

1. AD (Address) will consolidate

AA (Author address)	CANCERLIT, TOXLINE
LO (Location)	CANCERPROJ, CLINPROT
RP (Reprint source)	SDILINE
AD (Publisher's address)	SERLINE
AD (Address)	EPILEPSY, NAF

2. EM (Entry month) will consolidate

IM (Index Medicus issue)	MEDLINE
ST (Source & time frame)	TOXLINE
ED (Entry date)	CANCERLIT, CANCERPROJ, CLINPROT

In the first example, an existing data element was redefined to broaden its meaning in the system. In the second example, a new data element was defined to encompass several similar existing data elements, none of which had an appropriate name which could be adopted across the files. Since EM (Entry

month) was defined, it has already been implemented as a new data element for five files: BIOETHICS, HEALTH PLANNING AND ADMINISTRATION, HISTLINE, RTECS, AND TOXLINE.

Although most of the standardized data elements have 2-character mnemonics (alpha or alpha-numeric), some elements do have 3- or 4-character mnemonics. The longer category qualifiers became an ELHILL feature during the creation of the TDB with its sixty-odd unique data elements specific to the field of toxicology. They are utilized more frequently for the data files than for the bibliographic citation files.

In order to maintain control over the standardized list and ensure consistency in the future, all new data elements are being monitored through a clearance procedure. This procedure is designed to identify data elements of like function and assign them the same category qualifier and name, and to make certain that any one mnemonic is not used in totally unrelated ways for different data bases.

A new edition of the Online Services Reference Manual which reflects this standardization of data elements is planned for release in November 1979. The online documentation, i.e., the EXPLAIN UNIT RECORDS, will be updated along with the 1980 files.

RTECS - 1978 EDITION PLUS APRIL AND JULY 1979
 QUARTERLY UPDATES ONLINE AT NLM
 Sharon L. Valley, Ph.D.
 Specialized Information Services, NLM

RTECS (The Registry of Toxic Effects of Chemical Substances) has been regenerated at NLM, and now contains the 1978 edition plus two quarterly updates online. The data is provided by NIOSH, the National Institute for Occupational Safety and Health.

The regenerated file contains toxicity data on 36,851 substances, an increase of 1,178 new records. In addition, 2,461 records have changes or additions. These 3,639 records can be retrieved with three ENTRY MONTH (EM) tags, 7905, 7906, 7907 by ORing them together. If users are interested in determining whether a particular substance, previously retrieved, has a change in the record, the user could:

- 1) Select the name of the substance, e.g., (SY) KEPONE.

Note that the Synonym field is used in this example because approximately one-third of the records in RTECS do not have CAS Registry Numbers;

- 2) PRT INCLUDE EM to view the Entry Month tag, to determine if it is one of the three for this quarterly update (7905, 7906, 7907); then,

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- 3) PRT DL COMPLETE INDENTED;
- 4) Compare the new record with the old to determine the addition/change(s).

As another type of sample search, users may wish to find all chemicals which have any toxic effect that has been tagged by NIOSH. Refer to the NLM Online Services Reference Manual, PART 14, RTECS, for the table of specific toxic effects. The search could be further restricted to a particular species, route, study type, etc.

The sample search below shows how to retrieve toxic effects and humans in RTECS:

file rtecs

PRG:
YOU ARE NOW CONNECTED TO THE RTECS FILE.

SS 1 /C?
USER:
(ix) toxic effects

PRG:
SS (1) PSTG (5216)

SS 2 /C?
USER:
(ix) humans

PRG:
SS (2) PSTG (1732)

SS 3 /C?
USER:
1 and 2

PRG:
SS (3) PSTG (896)

SS 4 /C?
USER:
prt toxdata 1 indented

PRG:

SOURCE IDENTIFICATION	NIOSH/AB1S25000
PRIME NAME	ACETALDEHYDE
CAS REGISTRY NUMBER	75-07-0
TOXIC DATA SOURCE	JAMAAP Journal of the American Medical Association. 165,1908,57
TOXDATA KEYWORDS	INHALATION;HUMAN;HUMANS;TCLo:134 PPM/30M TOXIC EFFECTS;IRRITANT

Note the term HUMANS (IX) is a generic term that has been applied to man, woman, child, and human data in RTECS. This plural form allows retrieval of all four concepts.

For further information on RTECS, please contact the Toxicology Information Program, (301) 496-1131.

AVLINE UPDATE
Alice E. Jacobs, Technical Services Division, NLM

PRINT CARD OPTION IN AVLINE

The new online print option called Catalog Card has been implemented for the AVLINE file. The format represents a more traditional display of bibliographic data similar to the catalog card and is based on the same print option originally developed for CATLINE records.

The command PRINT CATCARD or PRT CC will display records in this catalog card format. This option is not currently available for offline prints. The list below shows the AVLINE elements which print in the catalog card format (if present in the record). A sample record is also provided.

- Main entry (PN or CN or TI according to main entry type)
- Title continuation (TC)
- First/Last issue (FL)
- Authorship statement (AS)
- Edition statement (ED)
- Imprint (IM)
- Collation (CO)
- Series note (SE, CE, or PE)
- General note (GN)
- Bibliographic history note (HN)
- Bibliography note (BI)
- Bound with note (BW)
- Limited use note (LN)
- Contents note (CT)
- Continuing education credit note (CR)
- Personal name, Corporate name, or Title as subject; tracings preceded by Arabic numerals (PS, CS, ST)
- MeSH subject headings; tracings preceded by Arabic numerals (MH)
- Additional added entries; tracings preceded by Roman numerals (PN, CN, TI, SE, CE, PE)
- Call number (CA)
- Shelving location (SL)
- Citation number (NO)
- Revision indicator (RI)

A sample record showing the PRINT CATCARD (PRT CC) option follows:

USER:
prt cc

PROG:

1

Jonathan E. Rhoads, M.D. [Videorecordings] / National Medical Audiovisual Center, in cooperation with Alpha Omega Alpha. -- Atlanta : The Center ; [Washington : for sale by National Audiovisual Center], 1977.

1 cassette, 57 min. ; sd., col. ; 3/4 in. -- (Leaders in American medicine)

Audience level:

--*Medical: graduate.

--Specialty: history of medicine, surgery.

Ratings: Highly recommended.

Review date: July 1979.

Reviewer: Association of American Medical Colleges (AAMC).

Learning method: Support.

Supported by a grant from David and Beatrice Seegal.

Credits: John Z. Bowers.

I. Rhoads, Jonathan E. 2. Surgery - history - videocassettes I. Bowers, John Z., 1913- II. National Medical Audiovisual Center. III. Alpha Omega Alpha. IV. Series: Leaders in American medicine [Videorecordings]

04NLM: WZ 100 VC no.1.32 1977

NLM SL: (c.1 LRC)

Cit. No. 7900157 (rev)

NEW SERIALS ANNOUNCEMENT - AUGUST 1979
Serial Records, Technical Services Division, NLM

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

ACTA BIOLOGIAE ET MEDICINAE EXPERIMENTALIS
1,1976--
SOCIETY FOR BIOLOGY AND EXPERIMENTAL
MEDICINE SAP KOSOVO
TEMPORARY CATALOGING.
PRISTINA YUGOSLAVIA
INSTITUTE OF PHARMACOLOGY, MEDICAL FACULTY,
38000 PRISTINA, YUGOSLAVIA
N1 AC757

ACTA RHUMATOLOGICA
3,1979--
ACTA MEDICA BELGICA
CONTINUES ACTA RHUMATOLOGICA BELGICA.
OFFICIAL ORGAN OF THE SOCIETE ROYALE BELGE
DE RHUMATOLOGIE.
BRUXELLES BELGIUM
N1 AC946

ACTIVITIES, ADAPTATION AND AGING
1,1979--
HAWORTH PRESS
NEW YORK
ON ORDER
UNITED STATES

AMERICAN ACADEMY OF OPHTHALMOLOGY DIRECTORY
1978--
AMERICAN ACADEMY OF OPHTHALMOLOGY AND
OTOLARYNGOLOGY
CONTINUES DIRECTORY - AMERICAN ACADEMY OF
OPHTHALMOLOGY AND OTOLARYNGOLOGY, DIVISION
OF OPHTHALOMOLOGY.
ROCHESTER MN
WH 22 AA1 A4D
UNITED STATES

BLOOD SERVICES OPERATIONS REPORT
1977/78--
AMERICAN RED CROSS
CONTINUES BLOOD PROGRAM OPERATIONS
UNITED STATES
AMERICAN RED CROSS, 2025 E ST. N.W.,
WASHINGTON, D.C. 20006
IN PROCESS

CAHIERS D HEMOBIOLOGIE-TRANSFUSION
1,1976--
CENTRE D HEMOBIOLOGIE-TRANSFUSION DE L
HOPITAL SAINT-LOUIS
PARIS
DOCTEUR MARC BENBUBAN,HOSPITAL SAINT-LOUIS
2, 75475 PARIS CEDEX 10.
IN PROCESS
FRANCE

IM CANADIAN DENTAL ASSOCIATION JOURNAL.
JOURNAL DE L ASSOCIATION DENTAIRE CANADIENNE
45N5,1979--
CANADIAN DENTAL ASSOCIATION
CONTINUES DENTAL JOURNAL. JOURNAL DENTAIRE.
OTTAWA
WI CA547
CANADA

CARDIAC PERFORMANCE
1,SEPT 1979--
EDEN FRESS
MONTREAL
EDEN MEDICAL RESEARCH INC, BOX 51, ST
ALBANS, VT 05478
ON ORDER
CANADA

CHEMIOTERAPIA ANTIMICROBICA
1N1,APR 1978--
EDITRICE GIUNTINA
FIRENZE
IN PROCESS
ITALY

CHROMATOGRAPHY SYMPOSIA SERIES
1,1978--
ELSEVIER SCIENTIFIC PUB. CO
CONSISTS OF THE PROCEEDINGS OF THE 9TH-
INTERNATIONAL SYMPOSIUM ON CHROMATOGRAPHY
AND ELECTROPHORESIS. CONTINUES
INTERNATIONAL SYMPOSIUM ON CHROMATOGRAPHY
AND ELECTROPHORESIS.
AMSTERDAM
W3 C156G
NETHERLANDS

COLD SPRING HARBOR MONOGRAPH SERIES
1ST,1979?--
COLD SPRING HARBOR LABORATORY
PREVIOUS VOLUMES IN THIS SERIES ARE
UNNUMBERED AND ARE CATALOGED SEPARATELY AT
NLM.
COLD SPRING HARBOR
NY
ON ORDER-CIP
UNITED STATES

COMPREHENSIVE MANUALS OF SURGICAL
SPECIALTIES
1,1975
SPRINGER-VERLAG
ISSUE FOR 1975 HAS NO VOL. NUMBERING BUT
CONSTITUTES V.1.
NEW YORK
WI C04526
UNITED STATES

CURRENT PRACTICE IN NURSING CARE OF THE
ADULT
1,1979--
MOSEBY
ST. LOUIS
WI CU803AZ
UNITED STATES

CURRENT TOPICS IN ANAESTHESIA SERIES
1,MAY 1979--
EDWARD ARNOLD
LONDON
ON ORDER
ENGLAND

IM DAKAR MEDICAL
24,1979--
SOCIETE MEDICALE D AFRIQUE NOIRE DE LANGUE
FRANCAISE
CONTINUES BULLETIN DE LA SOCIETE MEDICALE D
AFRIQUE NOIRE DE LANGUE FRANCAISE. BULLETIN
OF THE SOCIETE MEDICALE D AFRIQUE NOIRE DE
LANGUE FRANCAISE.
DAKAR
WI DA243M
SENEGAL

IM EPIDEMIOLOGY AND COMMUNITY HEALTH
33,MAR 1979--
BRITISH MEDICAL ASSOCIATION
CONTINUES JOURNAL OF EPIDEMIOLOGY AND
COMMUNITY HEALTH.
LONDON
WI EP452N
ENGLAND

HISTORY AND PHILOSOPHY OF THE LIFE SCIENCES
1,JUNE 1979--
CASA EDITRICE LEO S. OLSCHKI
FLORENCE
ON ORDER
ITALY

INFECTIOUS DISEASE LETTERS FOR OBSTETRICS -
GYNECOLOGY
1N1,JUL 1979--
INFECTIOUS DISEASES
GAINESVILLE FL
ON ORDER
UNITED STATES
3003 S.W. FIRST WAY GAINESVILLE, FLA. 32601

JOURNAL OF PHARMACOTHERAPY
1,AUG 1977--
HOUSE OF PEARSE
TWICKENHAM
325 STAINES RD TWICKENHAM TW2 5AX, ENGLAND
ON ORDER
ENGLAND

NLM TECHNICAL BULLETIN - SEP 79

JOURNAL OF SPORT PSYCHOLOGY
1,MAR 1979--
HUMAN KINETICS PUBLISHING
CHAMPAIGN IL UNITED STATES
ON ORDER

PEDIATRICS UPDATE
1979--
ELSEVIER
NEW YORK UNITED STATES
W1 PE195

PHOTOBIOCHEMISTRY AND PHOTOBIOPHYSICS
1,JULY 1979--
ELSEVIER NORTH-HOLLAND
AMSTERDAM NETHERLANDS
ON ORDER

RESEARCH IN BRITISH UNIVERSITIES,
POLYTECHNICS AND COLLEGES
1,1979--
THE BRITISH LIBRARY
SUPERSEDES SCIENTIFIC RESEARCH IN BRITISH
UNIVERSITIES AND COLLEGES
BOSTON SPA ENGLAND
BRITISH LIBRARY, BOSTON SPA, WETHERBY, WEST
YORKSHIRE LS23 7BQ, ENGLAND
ON ORDER

SCIENTIFIC, ENGINEERING, TECHNICAL MANPOWER
COMMENTS
16N3,APR 1979--
SCIENTIFIC MANPOWER COMMISSION
CONTINUES MANPOWER COMMENTS: SCIENTIFIC,
ENGINEERING, TECHNICAL. RUNNING TITLE:
MANPOWER COMMENTS.
WASHINGTON UNITED STATES
SCIENTIFIC MANPOWER COMMISSION, 1776
MASSACHUSETTS AVE. N.W., WASHINGTON, D.C.
20036
W1 SC842

SHONIKA MOOK
1,1978--
KANEHARA SHUPPAN
TOKYO JAPAN
W1 SH5417

SOCIAL POLICY AND ADMINISTRATION
13N1,SPRING 1979--
B. BLACKWELL
CONTINUES SOCIAL AND ECONOMIC
ADMINISTRATION.
OXFORD ENGLAND
W1 S0122T

TECNICA, INVESTIGACION, TRATAMIENTO, MEDIO
AMBIENTE
1N1,1979--
ASOCIACION DE INVESTIGACION TECNICA DEL
MEDIO AMBIENTE
MADRID SPAIN
RAIMUNDO FERNANDEZ VILLAVARDE 19, MADRID 3
ESPAÑA
IN PROCESS

THYIUS
1,1979--
ELSEVIER/NORTH HOLLAND
NEW YORK UNITED STATES
ON ORDER

TRENDS IN PHARMACEUTICAL SCIENCES
1,OCT 1979--
ELSEVIER
AMSTERDAM NETHERLANDS
ON ORDER

VIDELOG - PROGRAMS FOR THE HEALTH SCIENCES
1979--
ESSELTE VIDEO
CONTINUES HEALTH SCIENCES VIDEO DIRECTORY
NEW YORK UNITED STATES
600 MADISON AVE., NEW YORK, NY 10022
ON ORDER

LIST OF MONOGRAPHS INDEXED
OCTOBER 1979

C

Clinical Conference on Cancer, M. D. Anderson Hospital and Tumor Institute, Houston, Tex., 22d, 1977.

Immunotherapy of human cancer : The University of Texas System Cancer Center, M. D. Anderson Hospital and Tumor Institute, 22nd annual Clinical Conference on Cancer. — New York : Raven Press, c1978. xix, 417 p. : ill.

1. Immunotherapy - congresses 2. Neoplasms - drug therapy - congresses I. University of Texas System Cancer Center M. D. Anderson Hospital and Tumor Institute, Houston. II. Title
ISBN 0-89004-263-2 LC: 77-17701
04NLM: W3 C162H 22d 1977i
OXNLM: [QZ 267 C6415 1977i]
IM Cit. No. 7805224 (rev. CIP.)

Conference on Cellular and Molecular Regulation of Hemoglobin Switching, Seattle, 1978. Cellular and molecular regulation of hemoglobin switching / edited by George Stamatoyannopoulos and Arthur W. Nicluis. — New York : Grunc & Stratton, c1979. xviii, 792, xix-xxiii p. : ill.

1. Cell Differentiation - congresses 2. Hemoglobins - biosynthesis - congresses 3. Molecular Biology - congresses I. Nicluis, Arthur Wesley, 1941- ed. II. Stamatoyannopoulos, George, 1934- ed. III. Title
ISBN 0-8089-1159-7 LC: 78-68489
04NLM: WH 190 C747c 1978
IM Cit. No. 7906201

I

International Symposium on Models for the Study of Inborn Errors of Metabolism, Eernewoude, Netherlands, 1978.

Models for the study of inborn errors of metabolism : proceedings ... / editor, Frits A. Hommes. — Amsterdam ; New York : Elsevier/North Holland Biomedical Press, 1979. ix, 372 p. : ill.

1. Metabolism, Inborn Errors - congresses 2. Models, Biological - congresses I. Hommes, Frits A., ed. II. Title
ISBN 0-444-80106-5 LC: 79-127
04NLM: WD 205.5 I61m 1978
IM Cit. No. 7906095

S

Symposium on Immunological Infertility, London, 1978.

Spermatozoa, antibodies and infertility : proceedings of a Symposium on Immunological Infertility held on 11 February 1978 at the Institute of Urology, London / edited by Jack Cohen and W. F. Hendry. — Oxford : Blackwell Scientific Publications ; St. Louis : distributed in the U. S. A. by Blackwell Mosby Book Distributors, 1978. xii, 164 p. : ill. Symposium held under the auspices of the Institute of Urology and Institute of Obstetrics and Gynaecology in the University of London.

1. Spermatozoa - immunology - congresses 2. Sterility - etiology - congresses I. Cohen, Jack, 1933- ed. II. Hendry, W. F., ed. III. University of London. Institute of Obstetrics and Gynaecology. IV. University of London. Institute of Urology. V. Title
ISBN 0-632-00194-1 LC: 78-68489
04NLM: WP 570 S989s 1978
IM Cit. No. 7906143

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PHONES LIST

APPENDIX A

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

* = DIRECT DIAL NUMBER
 TYPE: FOR 120 CPS LINE USAGE:
 V3405 = VADIC 3405 MODEMS
 B/V = TELENET VADIC "SUPER MODEM" (V3467) NODE: USERS WITH EITHER B212A OR V3405 MODEMS CAN USE THESE .E NUMBERS.
 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				205/251-2495		
AL	BIRMINGHAM	205/942-4141	B		205/251-2495		
AR	LITTLE ROCK	501/372-5780	FX B				
AZ	MESA				602/257-1552		
AZ	PHOENIX	602/249-9261	B		602/257-1552		
AZ	PHOENIX	602/249-3862	B212A	120			
AZ	SCOTTSDALE				602/257-1552		
AZ	TEMPE				602/257-1552		
AZ	TUCSON	602/622-2752	FX B		602/791-7541		
AZ	TUCSON	602/622-2758	B212A	120			
CA	ALHAMBRA	213/572-0999	FX B		213/956-8235		
CA	ANAHEIM				714/558-6061		
CA	BURLINGAME	415/348-4992	FX B		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	408/257-0593	CCITT RESTRICTED FOR OVERSEAS USE ONLY				
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	HOLLYWOOD				213/624-0901	B212A	120
CA	HOLLYWOOD				213/624-1521	V3405	120
CA	HOLLYWOOD				213/624-8365	B/V	120
CA	HUNTINGTON BEACH				714/558-6061		
CA	INGLEWOOD				213/624-5230		
CA	INGLEWOOD				213/937-3580		
CA	INGLEWOOD				213/624-0901	B212A	120
CA	INGLEWOOD				213/624-1521	V3405	120
CA	INGLEWOOD				213/624-8365	B/V	120
-CA	LONG BEACH				213/549-5150		
CA	LOS ALTOS				415/856-9930		
CA	LOS ANGELES	213/683-0451	B		213/624-5230		
CA	LOS ANGELES	213/629-3451	(30 CPS ONLY)				
CA	LOS ANGELES	213/629-1561	B		213/937-3580		
CA	LOS ANGELES				213/624-8365	B/V	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	MARINA DEL REY	213/821-2257	FX B		213/822-9287		
-CA	MOUNTAIN VIEW	415/961-7971	B		408/856-9930		
CA	MOUNTAIN VIEW	415/941-8450	B				
CA	NEWPORT BEACH	714/540-9560	B		714/558-6061		
CA	NEWPORT BEACH	714/540-0951	B212A	120			

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
CA	OAKLAND	415/465-7000	B		415/362-6200		
CA	OAKLAND	415/465-7471	B212A	120	415/956-5787	B212A	120
CA	OAKLAND				415/956-5777	V3405	120
CA	OXNARD	805/487-0482	B		805/659-4660		
CA	PALO ALTO	415/856-9080	B		415/856-9930		
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	714/293-3590	B212A	120			
CA	SAN DIEGO	714/291-8700	B		714/231-1922		
CA	SAN FRANCISCO	415/391-9325	B		415/362-6200		
CA	SAN FRANCISCO	415/362-4307	B				
CA	SAN FRANCISCO	415/421-7121	V3405	120	415/956-5777	V3405	120
CA	SAN FRANCISCO	415/391-8892	B212A	120	415/956-5787	B212A	120
CA	SAN FRANCISCO	415/982-5800	B212A	120			
CA	SAN JOSE	408/446-7001	V3405	120			
CA	SAN JOSE	408/446-7309	B212A	120			
CA	SAN JOSE	408/446-1470	B		408/279-8450		
CA	SAN MATEO				415/595-0360		
CA	SAN PEDRO	213/830-0775	FX B		213/549-5150		
CA	SANTA ANA				714/558-6061		
CA	SANTA BARBARA	805/687-6119	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		805/659-4660		
CA	WOODSIDE				415/856-9930		
CO	AURORA				303/623-0876		
CO	AURORA				303/629-1821	B212A	120
CO	BOULDER				303/623-0876		
CO	BOULDER				303/629-1821	B212A	120
CO	COLO. SPRINGS	303/471-9815	FX B				
CO	DENVER	303/573-9981	B		303/623-0876		
CO	DENVER	303/573-0177	B				
CO	DENVER	303/572-1107	V3405	120			
CO	DENVER	303/825-0635	B212A	120	303/629-1821	B212A	120
CO	LAKEWOOD				303/623-0876		
CO	LAKEWOOD				303/629-1821	B212A	120
CT	BRIDGEPORT	203/579-7820	FX B				
CT	DANBURY	203/743-1340	FX B				
CT	DARIEN	203/655-8931	B				
CT	DARIEN	203/655-7951	B212A	120			
CT	GREENWICH				203/357-1800		
CT	HARTFORD	203/568-2610	B		203/522-0344		
CT	HARTFORD	203/569-3643	B212A	120			
CT	MILFORD				203/789-0211		
CT	NEW HAVEN	203/789-0579	B		203/789-0211		
CT	STAMFORD				203/357-1800		
CT	WATERBURY	203/755-1153	FX B				
CT	WEST HARTFORD				203/522-0344		
DC	WASHINGTON	703/841-0200	B		202/347-1400		
DC	WASHINGTON	703/841-0265	B				
DC	WASHINGTON	703/841-9560	B		202/783-2050		
DC	WASHINGTON	703/524-9214	B212A	120	202/347-6093	V3405	120
DC	WASHINGTON	703/841-9330	V3405	120	202/347-6093	V3405	120
DC	WASHINGTON*	301/656-2726		30			
DC	WASHINGTON*	301/657-1896		30			
-DC	WASHINGTON*	301/496-1994	FTS	15/30			
DC	WASHINGTON*	301/654-2540		15			
DC	WASHINGTON*	301/492-1840	B202	120			
DC	WASHINGTON*	301/652-4466	B212A	120			
DC	WASHINGTON*	301/656-4773	V3405	120			
DC	WASHINGTON*	301/656-4774	B/V	120			
DE	WILMINGTON	302/658-5261	FX B		302/737-8550		
FL	CLEARWATER				813/224-9920		
-FL	CLEARWATER				813/223-1088	B212A	120
FL	FT LAUDERDALE	305/467-7550	FX B		305/764-8880		
FL	JACKSONVILLE	904/721-8100	B		904/356-0790		
FL	MIAMI	305/374-7120	B		305/371-4801		
FL	MIAMI	305/358-7271	B212A	120	305/371-4822	B212A	120

ST	CITY	PHONE	TYPE	SPEED	TELENET	TYPE	SPEED
FL	ORLANDO	305/851-3530	(30 CPS ONLY)		305/849-9600	(10-30 CPS)	
FL	ORLANDO	305/859-7670	B212A	120			
FL	PENSACOLA	904/434-0134	FX B				
FL	ST PETERSBURG	813/536-7823	B		813/823-3223		
FL	TAMPA	813/885-5485	FX B		813/224-9920		
FL	TAMPA				813/223-1088	B212A	120
FL	W PALM BEACH	305/622-2871	FX B				
GA	ATLANTA	404/659-6670	B		404/577-8911		
GA	ATLANTA	404/581-0619	B212A	120	404/523-0834	B212A	120
GA	SAVANNAH	912/352-7259	FX B				
HI	HONOLULU	CONTACT HAWAII TELEPHONE COMPANY FOR ACCESS					
IA	CEDAR RAPIDS	319/396-0600	FX B				
IA	COUNCIL BLUFFS				402/341-7570		
IA	COUNCIL BLUFFS				402/341-7733	B212A	120
IA	DES MOINES	515/280-9600	B				
IA	IOWA CITY	319/354-7371	FX B				
ID	BOISE	208/343-4851	B				
IL	ARLINGTON HTS				312/372-4901		
IL	ARLINGTON HTS				312/263-3069	B212A	120
IL	ARLINGTON HTS				312/726-1957	V3405	120
IL	CHAMPAIGN				217/384-0011		
IL	CHICAGO	312/346-4961	B		312/372-4901		
IL	CHICAGO	312/368-4607	B				
IL	CHICAGO	312/346-0201	B212A	120	312/263-3069	B212A	120
IL	CHICAGO	312/372-0391	V3405	120	312/726-1957	V3405	120
IL	CICERO				312/372-4901		
IL	CICERO				312/263-3069	B212A	120
IL	CICERO				312/726-1957	V3405	120
IL	E. ST. LOUIS				312/231-8800		
IL	FREEPORT	815/233-5585	B	30			
IL	OAK PARK				312/372-4901		
IL	OAK PARK				312/263-3069	B212A	120
IL	OAK PARK				312/726-1957	V3405	120
IL	PEORIA	309/673-2156	FX B				
IL	ROCKFORD	815/398-6090	B				
IL	SKOKIE				312/372-4901		
IL	SKOKIE				312/263-3069	B212A	120
IL	SKOKIE				312/726-1957	V3405	120
IL	SPRINGFIELD	217/753-7905	B		217/753-1362		
IL	SPRINGFIELD	217/753-7900	B212A	120			
IL	SPRINGFIELD				217/753-1373	B/V	120
IL	URBANA				217/384-0011		
IN	EVANSVILLE	812/423-6885	FX B				
IN	FT WAYNE	219/424-5162	FX B				
IN	INDIANAPOLIS	317/926-1253	B212A	120			
IN	INDIANAPOLIS	317/257-3461	B		317/635-9630		
IN	MARION	317/662-0091	FX B				
IN	MISHAWKA				219/234-9071		
IN	OSCEOLA				219/234-9071		
IN	SOUTH BEND	219/233-4163	B		219/234-9071		
KS	KANSAS CITY	816/753-8900	B		816/474-1600		
KS	KANSAS CITY				816/421-0375	B212A	120
KS	SHAWNEE MISSION	913/677-2833	B				
KS	SHAWNEE MISSION	913/677-0707	B212A	120			
KS	TOPEKA	913/233-0690	FX B				
KS	WICHITA	316/265-1241	B				
KS	WICHITA	313/264-7386	B212A	120			
KY	LEXINGTON	606/253-3463	B				
KY	LOUISVILLE	502/361-3881	B		502/459-7010		
KY	LOUISVILLE	502/361-2645	B212A	120			
LA	BATON ROUGE	504/292-4050	B				
LA	BATON ROUGE	504/292-2650	B212A	120			
LA	LAFAYETTE	318/235-3501	FX B				
LA	NEW ORLEANS	504/586-1071	B		504/524-0783		
LA	NEW ORLEANS				504/524-4094	B212A	120
LA	NEW ORLEANS	504/524-4371	B212A	120			
LA	SHREVEPORT	318/688-4666	B				
MA	ARLINGTON	617/482-4677	B				
MA	ARLINGTON	617/482-5622	B		617/338-1400		
MA	ARLINGTON	617/482-3386	B212A	120	617/642-0754	B212A	120
MA	ARLINGTON	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	BOSTON	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	BOSTON	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	BROOKLINE	617/482-4677	B				
MA	BROOKLINE	617/482-5622	B		617/338-1400		

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
MA	BROOKLINE	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	BROOKLINE	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	CAMBRIDGE	617/482-4677	B				
MA	CAMBRIDGE	617/482-5622	B		617/338-1400		
MA	CAMBRIDGE	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	CAMBRIDGE	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	CHICOPEE	413/781-6830	B		413/739-7221		
MA	HOLYOKE	413/781-6830	B		413/739-7221		
MA	MEDFORD	617/482-4677	B				
MA	MEDFORD	617/482-5622	B		617/338-1400		
MA	MEDFORD	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	MEDFORD	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	NEWTON	617/482-4677	B				
MA	NEWTON	617/482-5622	B		617/338-1400		
MA	NEWTON	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	NEWTON	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	QUINCY	617/482-4677	B				
MA	QUINCY	617/482-5622	B		617/338-1400		
MA	QUINCY	617/482-3386	B212A		617/542-0754	B212A	120
MA	QUINCY	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	SOMERVILLE	617/482-4677	B				
MA	SOMERVILLE	617/482-5622	B		617/338-1400		
MA	SOMERVILLE	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	SOMERVILLE	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	SPRINGFIELD	413/781-6830	B		413/739-7221		
MA	WALTHAM	617/482-4677	B				
MA	WALTHAM	617/482-5622	B		617/338-1400		
MA	WALTHAM	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	WALTHAM	617/482-1854	V3405	120	617/338-7495	V3405	120
MD	ANNAPOLIS	301/547-8100	B		301/962-5010		
MD	BALTIMORE	301/547-8100	B		301/962-5010		
MD	BALTIMORE	301/685-2845	B212A	120			
MD	BETHESDA	703/841-0200	B		202/347-1400		
MD	BETHESDA	703/524-9215	B212A	120	202/347-3061	B212A	120
MD	BETHESDA	703/841-9330	V3405	120	202/347-6093	V3405	120
MD	COLLEGE PARK	703/841-0200	B		202/347-1400		
MD	DUNDALK	301/547-8100	B		301/962-5010		
MD	ROCKVILLE	703/841-0200	B		202/347-1400		
MD	SILVER SPRING	703/841-0200	B		202/347-1400		
MD	TOWSON	301/547-8100	B		301/962-5010		
MI	ANN ARBOR	313/665-2627	B		313/996-0351		
MI	DETROIT	313/963-3388	B		313/964-5538		
MI	DETROIT	313/963-8880	B212A	120	313/964-2988	B212A	120
MI	DETROIT	313/963-2353	V3405	120			
MI	GRAND RAPIDS	616/459-5069	FX B				
MI	JACKSON	517/787-9461	B				
MI	KALAMAZOO	616/385-3150	B				
MI	PLYMOUTH	313/459-8900	B				
MI	SOUTHFIELD	313/569-8350	B				
MI	ST JOSEPH	616/429-2568	FX B				
MN	MINNEAPOLIS	612/339-5200	B		612/339-0150		
MN	MINNEAPOLIS	612/339-2415	B212A	120	612/338-3782	B212A	120
MN	ST. PAUL	612/339-5200	B		612/339-0150		
MN	ST. PAUL	612/339-2415	B212A	120	612/338-3782	B212A	120
MO	FLORISSANT				314/231-8800		
MO	FLORISSANT				314/241-8150	B/V	120
MO	KANSAS CITY	913/677-2833	B		816/474-1600		
MO	KANSAS CITY	913/677-0707	B212A	120	816/421-0375	B212A	120
MO	ST LOUIS	314/421-5110	B		314/231-8800		
MO	ST LOUIS	314/621-4660	B212A	120			
MO	ST LOUIS				314/241-8150	B/V	120
MS	JACKSON	601/944-0860	FX B				
NE	OMAHA	402/392-2970	B		402/341-7570		
NE	OMAHA				402/341-7733	B212A	120
NC	CHARLOTTE	704/372-9730	FX B		704/374-0371		
NC	DAVIDSON	919/549-0441	B		919/549-8310		
NC	DURHAM	919/549-0441	B		919/549-8310		
NC	GREENSBORO	919/379-0034	FX B				
NC	RALEIGH/DURHAM	919/549-0441	B		919/549-8310		
NC	RES. TRI. PARK	919/549-0441	B		919/549-8310		
NC	WINSTON-SALEM	919/725-1414	B		919/761-1957		
NC	WINSTON-SALEM	919/725-9252	B212A	120			
NH	MANCHESTER	603/669-0493	FX B				
NH	NASHUA	603/839-8618	FX B				
NJ	BAYONNE				201/623-6818		
NJ	BAYONNE				201/483-3737	B212A	120
NJ	ENGLEWOOD CLFS	201/894-8250	B				

ST	CITY	TYNMET	TYPE	SPEED	TELENET	TYPE	SPEED
NJ	JERSEY CITY				201/623-6818		
NJ	JERSEY CITY				201/483-3737	B212A	120
NJ	LYNHURST	201/460-0100	B				
NJ	LYNHURST	201/460-0180	B212A	120			
NJ	MOORESTOWN	609/235-3761	FX B				
NJ	NEWARK	201/483-5937	B		201/623-6818		
NJ	NEWARK	201/483-4878	B212A	120	201/483-3737	B212A	120
NJ	PASSAIC				201/742-0858		
NJ	PATERSON				201/742-0858		
NJ	PISCATAWAY	201/981-1900	B				
NJ	PRINCETON	609/452-8970	FX B				
NJ	PRINCETON	609/452-8560	B212A	120			
NJ	TRENTON				609/392-6101		
NJ	UNION	201/483-5937	B				
NJ	UNION	201/483-4878	B212A	120			
NJ	UNION CITY				201/623-6818		
NJ	UNION CITY				201/483-3737	B212A	120
NJ	WAYNE	201/785-4480	E				
NM	ALBUQUERQUE	505/842-6036	B212A	120			
NV	CARSON CITY	702/882-7810	B				
NV	CARSON CITY	702/883-6546	B212A	120			
NV	LAS VEGAS	702/386-1899	FX B		702/733-2158		
NV	RENO	702/882-7810	B				
NV	RENO	702/883-6546	B212A	120			
NY	ALBANY	518/463-3111	FX B		518/445-9111		
NY	BUFFALO	716/856-1400	E		716/847-0600		
NY	BUFFALO	716/847-0500	B212A	120			
NY	CORNING	607/962-5071	B				
NY	HEMPSTEAD	516/794-3390	FX B		516/292-0320		
NY	HUNTINGTON, LI	516/673-5780	FX B				
NY	NEW YORK	212/344-7445	B		212/736-7205		
NY	NEW YORK	212/683-0131	B				
NY	NEW YORK	212/350-9100	B		212/736-0099		
NY	NEW YORK	212/551-9322	B				
NY	NEW YORK	212/344-8211	B212A	120			
NY	NEW YORK	212/532-8101	B212A	120	212/736-3521	B212A	120
NY	NEW YORK	212/689-8910	V3405	120	212/736-1800	V3405	120
NY	NIAGARA FALLS	716/285-6691	FX B				
NY	ROCHESTER	716/248-8000	B		716/454-3430		
NY	ROCHESTER	716/248-8350	B212A	120			
NY	SCHENECTADY				518/445-9111		
NY	SYRACUSE	315/437-7111	B		315/472-5503		
NY	TROY				518/445-9111		
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	CLEVELAND	216/566-9801	B212A	120	216/696-4225	B/V	120
OH	COLUMBUS	614/421-7270	B		614/463-1400		
OH	DAYTON	513/223-3847	B		513/461-1570		
OH	EUCLID				216/241-0940		
OH	EUCLID				216/696-4225	B/V	120
OH	KENT				216/762-9791		
OH	PARMA				216/241-0940		
OH	PARMA				216/696-4225	B/V	120
OH	TOLEDO	419/243-3144	FX B		419/243-8871		
OH	YOUNGSTOWN				216/743-2296		
OK	BETHANY	405/947-0561	B		405/232-4550		
OK	NORMAN	405/947-0561	B		405/232-4550		
OK	OKLAHOMA CITY	405/947-0561	B		405/232-4550		
OK	OKLAHOMA CITY	405/949-0125	B212A	120	405/232-4546	B/V	120
OK	TULSA	918/663-2220	B		918/584-3215		
OK	TULSA	918/665-2750	B212A	120	918/584-3247	B212A	120
OR	PORTLAND	503/231-4050	B		503/243-2800		
-OR	PORTLAND	503/231-4077	B212A	120			
PA	ALLENTOWN	215/433-6131	FX B		215/435-8268		
PA	ERIE	814/453-7161	B				
PA	HARRISBURG	717/236-1190	FX B				
PA	PENN HILLS				412/288-9950		
PA	PENN HILLS				412/288-9974	B212A	120
PA	PHILADELPHIA	215/561-6120	B		215/574-0620		
PA	PHILADELPHIA	215/567-1381	B212A	120	215/574-9462	B212A	120
-PA	PITTSBURGH	412/765-1320	B		412/288-9950		
-PA	PITTSBURGH	412/261-4151	B212A	120	412/288-9974	B212A	120
PA	UPPER DARBY				215/574-0620		
PA	UPPER DARBY				215/574-9462	B212A	120
PA	VALLEY FORGE	215/666-9190	B				

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
PA	YORK	717/846-4802	FX B				
RI	PROVIDENCE	401/274-5783	FX B		401/272-9290		
RI	WARWICK				401/272-9290		
SC	COLUMBIA	803/252-0840	FX B				
SC	GREENVILLE	803/271-2418	FX B				
TN	CHATTANOOGA	615/756-5856	B				
TN	KNOXVILLE	615/637-3118	FX B				
TN	MEMPHIS	901/529-0170	B		901/525-2563		
TN	MEMPHIS	901/529-0183	B212A	120			
TN	NASHVILLE	615/367-9382	B		615/244-8310		
TX	AUSTIN	512/444-3280	B		512/926-2160		
TX	AUSTIN	512/443-8191	B212A	120			
TX	BAYTOWN	713/427-1123	FX B				
TX	BEAUMONT	713/832-2589	FX B				
TX	CORPUS CHRISTI	512/882-3641	FX B				
TX	DALLAS	214/638-5800	B		214/748-0127		
TX	DALLAS	214/688-1115	B212A	120	214/651-0192	B212A	120
TX	DALLAS				214/748-6371	V3405	120
TX	EL PASO	915/544-9590	B				
TX	EL PASO	915/532-1936	B212A	120			
TX	FORT WORTH	214/263-8271	FX B		817/336-7791		
TX	HOUSTON	713/785-4411	B		713/224-3380		
TX	HOUSTON	713/977-4080	B				
TX	HOUSTON	713/780-7390	B				
TX	HOUSTON	713/780-7496	V3405	120			
TX	HOUSTON	713/977-7671	B212A	120	713/225-9359	B212A	120
TX	LACKLAND				512/227-7784		
TX	LONGVIEW	214/758-1756	FX B				
TX	LUBBOCK	806/762-0136	FX B				
TX	MIDLAND	915/683-5645	B				
TX	ODESSA	915/563-3745	FX B				
TX	SAN ANTONIO	512/696-4002	B		512/227-7784		
UT	SALT LAKE CITY	801/582-8972	B		801/364-2644		
UT	SALT LAKE CITY	801/582-6060	B212A	120			
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	206-625-9937	B		206/447-9012		
WA	BELLEVUE	206-625-8226	B212A	120	206/623-8937	B212A	120
WA	RICHLAND	509/375-1975	B				
WA	RICHLAND	509/375-3367	B212A	120			
WA	SEATTLE	206/625-9900	B		206/447-9012		
WA	SEATTLE	206/625-9937	B212A	120	206/623-8937	B212A	120
WA	SPOKANE				509/455-7601		
WA	SPOKANE	509/838-8226	B212A	120	509/455-4071	B/V	120
WI	MADISON	608/221-4211	B		608/251-5904		
WI	MILWAUKEE	414/257-3482	B		414/271-2560		
WI	MILWAUKEE	414/257-1703	B212A	120			
WI	OSHKOSH	414/235-4594	FX B				
WV	CHARLESTON	304/345-2908	FX B				

Category Qualifier Changes
by Data Base
(In Alphabetical Order by Data Base)

<u>Present</u>		<u>January 1980</u>	
<u>CATEGORY QUALIFIER</u>	<u>ELEMENT NAME</u>	<u>CATEGORY QUALIFIER</u>	<u>ELEMENT NAME</u>
<u>AVLINE</u>			
CP	COUNTRY OF PUBLICATION	CY	COUNTRY
DT	DISSERTATION NOTE	DI	DISSERTATION NOTE
LI	LIBRARY SYMBOL	LY	LIBRARY SYMBOL
NO	CITATION NUMBER	UI	UNIQUE IDENTIFIER
PH	PHYSICAL DESCRIPTION	MD	MEDIA DESCRIPTION
PP	TREE NUMBER (COUNTRY OF PUBLICATION)	ZN	MeSH Z TREE NUMBER
RE	REVIEW DATE	DR	DATE OF REVIEW
RS	RECORD SOURCE	RO	RECORD ORIGINATOR
ST	TITLE AS SUBJECT	TL	TITLE AS SUBJECT (PRINT QUALIFIER)
YR2	YEAR (CLOSING)	Y2	FINAL YEAR
YR	YEAR OF PUBLICATION	Y1	INITIAL YEAR
<u>BIOETHICSLINE</u>			
TM	TITLE OF MONOGRAPH	MI	MONOGRAPHIC INFORMATION
<u>CANCERLIT</u>			
AA	AUTHOR ADDRESS	AD	ADDRESS
ED	ENTRY DATE	EM	ENTRY MONTH
JC	JOURNAL CODEN	CD	CODEN
JT	JOURNAL TITLE	TA	TITLE ABBREVIATION
SI	SOURCE IDENTIFIER	UI	UNIQUE IDENTIFIER
YP	YEAR OF PUBLICATION	YR	YEAR
<u>CANCERPROJ</u>			
AC	SSIE ACCESSION NUMBER	UI	UNIQUE IDENTIFIER
AN	SUPPORTING AGENCY ID NUMBER	ID	ID NUMBER
AT	TYPE OF AWARD	AW	AWARD TYPE
BD	BEGIN DATE	Y1	INITIAL YEAR
CO	COUNTRY (OR STATE)	CY	COUNTRY
ED	ENTRY DATE	EM	ENTRY MONTH
LO	LOCATION	AD	ADDRESS
ND	END DATE	Y2	FINAL YEAR

Present

January 1980

CATEGORY
QUALIFIER

ELEMENT NAME

CATEGORY
QUALIFIER

ELEMENT NAME

CATLINE

AN	AUTOGRAPH NOTE	AO	AUTOGRAPH NOTE
CP	COUNTRY OF PUBLICATION	CY	COUNTRY
DT	DISSERTATION NOTE	DI	DISSERTATION NOTE
IX	INDEX MEDICUS INDICATOR	AI	ABSTRACTING & INDEXING TAGS
LI	LIBRARY SYMBOL	LY	LIBRARY SYMBOL
NO	CITATION NUMBER	UI	UNIQUE IDENTIFIER
PP	COUNTRY (PLACE) OF PUBLICATION TREE NUMBER	ZN	MeSH Z TREE NUMBER
RS	RECORD SOURCE	RO	RECORD ORIGINATOR
ST	TITLE AS SUBJECT	TL	TITLE AS SUBJECT (PRINT QUALIFIER)
YR2	YEAR OF PUBLICATION (FINAL)	Y2	FINAL YEAR
YR	YEAR OF PUBLICATION (INITIAL)	Y1	INITIAL YEAR

CHEMLINE

No Changes

CLINPROT

AC	SSIE ACCESSION NUMBER	UI	UNIQUE IDENTIFIER
AT	TYPE OF AWARD	AW	AWARD TYPE
BD	BEGIN DATE	Y1	INITIAL YEAR
CD	CORRECTION DATE	MR	MAJOR REVISION DATE
CO	COUNTRY (OR STATE)	CY	COUNTRY
ED	ENTRY DATE	EM	ENTRY MONTH
LO	LOCATION	AD	ADDRESS
ND	END DATE	Y2	FINAL YEAR

EPILEPSY

JT	JOURNAL TITLE	TA	TITLE ABBREVIATION
SI	SOURCE IDENTIFICATION	SI	SECONDARY SOURCE ID
SJ	SECONDARY SOURCE JOURNAL	UI	UNIQUE IDENTIFIER
VT	VERNACULAR TITLE	TT	TRANSLITERATED/VERNACULAR TITLE
YR	YEAR OF PUBLICATION	YR	YEAR

HEALTH PLANNING AND ADMINISTRATION

IN	IN STATEMENT/TITLE ABBREV.	TA	TITLE ABBREVIATION
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HISTLINE

RD	REVISION DATE	LR	LAST REVISION DATE
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Present

January 1980

CATEGORY
QUALIFIER

ELEMENT NAME

CATEGORY
QUALIFIER ELEMENT NAME

MEDLINE

AS	ABSTRACT SOURCE	AA	ABSTRACT AUTHOR
CN	CITATION NUMBER	UI	UNIQUE IDENTIFIER
ED	ENTRY DATE	DA	DATE OF ENTRY
IM	INDEX MEDICUS ISSUE	EM	ENTRY MONTH
LV	LAST MAJOR REVISION	MR	MAJOR REVISION DATE
MC	MeSH CLASS NUMBER	MN	MeSH TREE NUMBER
NA	NO-AUTHOR INDICATOR	NI	NO-AUTHOR INDICATOR
NR	NUMBER OF REFERENCES	RF	NUMBER OF REFERENCES
PD	PUBLICATION DATE	DP	DATE OF PUBLICATION
PN	PLACE OF PUB. CLASS NUMBER	ZN	MeSH Z TREE NUMBER
SU	SUBJECT AS A NAME	PS	PERSONAL NAME AS SUBJECT
VD	REVISION DATE	LR	LAST REVISION DATE
YP	YEAR OF PUBLICATION	YR	YEAR

MESH VOCABULARY FILE

AE	DATE MAJOR DESCRIPTOR ESTABLISHED	DX	DATE MAJOR DESCRIPTOR ESTABLISHED
AT	ALLOWABLE TREE NODE	TN	TREE NODE ALLOWED
CN	CAS REGISTRY NUMBER	RN	CAS REGISTRY NUMBER/ EC NUMBER
CR	CROSS REFERENCE	FX	FORWARD CROSS REFERENCE
EC	ENTRY COMBINATIONS	EC	ENTRY COMBINATION
ED	ENTRY DATE	DA	DATE OF ENTRY
HI	HISTORY NOTE	HN	HISTORY NOTE
IE	DATE MINOR DESCRIPTOR ESTABLISHED	DY	DATE MINOR DESCRIPTOR ESTABLISHED
JX	JOURNAL SUBJECT CROSS-REFERENCES	JX	JOURNAL SUBJECT CROSS REFERENCE
LV	LAST MAJOR REVISION	MR	MAJOR REVISION DATE
MC	MeSH CLASS NUMBER	MN	MeSH TREE NUMBER
MH	MAIN HEADING (DESCRIPTOR PRINT VERSION)	MH	MeSH HEADING
MR	MeSH TREE STRUCTURES RUNNING HEAD	RH	RUNNING HEAD, MeSH TREE STRUCTURES
ON	ONLINE NOTE	OL	ONLINE NOTE
PN	PUBLIC MeSH NOTE	PM	PUBLIC MeSH NOTE
RS	RECORD SOURCE	RO	RECORD ORIGINATOR
SC	SCOPE NOTES	MS	MeSH SCOPE NOTE
TD	THESAURUS ID	TH	THESAURUS ID

Present

January 1980

CATEGORY
QUALIFIER

ELEMENT NAME

CATEGORY
QUALIFIER

ELEMENT NAME

NAME AUTHORITY FILE - Name Record

AS	SOURCE OF AUTHORITY	SO	SOURCE
CN	CITATION NUMBER		THIS HAS BEEN DELETED
HO	HONORIFIC	HR	HONORIFIC
NF	NAME FORM	FN	FORM OF NAME
RS	RECORD SOURCE	RO	RECORD ORIGINATOR

NAME AUTHORITY FILE - Series Record

AS	SOURCE OF AUTHORITY	SO	SOURCE
CN	CITATION NUMBER		THIS HAS BEEN DELETED
RS	RECORD SOURCE	RO	RECORD ORIGINATOR
SC	SERIES TREATMENT CODE	SM	SERIES TREATMENT CODE
SK	SERIES TITLE SEARCH KEY		THIS HAS BEEN DELETED
ST	SERIES TYPE	TY	SERIES TYPE

RTECS

CT	CITATION TERMS	CW	CITATION WORDS
SI	SOURCE IDENTIFICATION	SI	SECONDARY SOURCE ID
TC	TOXICOLOGY & CANCER REVIEW	TR	TOXICOLOGY & CANCER REVIEW

SDILINE

Same as MEDLINE

Plus:

PL	PLACE OF PUBLICATION	CY	COUNTRY
RP	REPRINT SOURCE	AD	ADDRESS

SERLINE*

AB	DISALLOW ABSTRACT TAG	DZ	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 TREE NUMBER	ZN	MeSH Z TREE NUMBER
SQ	SERLINE CITATION	UI	UNIQUE IDENTIFIER
ST	INDEXING STATUS	XS	INDEXING STATUS
YR	INITIAL YEAR OF PUBLICATION	Y1	INITIAL YEAR

*In effect since October 1978

Present

January 1980

CATEGORY
QUALIFIER

ELEMENT NAME

CATEGORY
QUALIFIER

ELEMENT NAME

TDB

CF COLOR/FORM
SL STABILITY/SHELF LIFE
SP SPECTRAL & OTHER PROPERTIES

COFO COLOR/FORM
SSL STABILITY/SHELF LIFE
SPOP SPECTRAL & OTHER PROPERTIES

TOXLINE

AA AUTHOR ADDRESS
DT DATA TAG
IT INDEX TAG
JC JOURNAL CODEN
ST SOURCE & TIME FRAME
YP YEAR OF PUBLICATION

AD ADDRESS
DTG DATA TAG
ITG INDEX TAG
CD CODEN
EM ENTRY MONTH
YR YEAR

THE NLM TECHNICAL BULLETIN

OCTOBER 1979

NO. 126

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

DATA BASE	TOTAL RECORDS	FILES		
		DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	7,799	THROUGH 1979	18 OCT 79	
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	642,953	JAN 75-DEC 76	11 DEC 78	
*BIOETHICS	7,733	JAN 73-DEC 78	30 JUN 79	7906(EM)
*CANCERLIT	187,562	JAN 63-OCT 79	20 OCT 79	7910(ED)
*CANCERPROJ	19,904	1976-1979	06 OCT 79	7909(ED)
*CATLINE	192,024	1965-1979	18 OCT 79	
CHEMLINE	425,121		06 OCT 79	
*CLINPROT	1,669		15 OCT 79	7909(ED)
*EPILEPSY	25,635	1945-PRESENT	16 SEP 79	
*HEALTH	128,323	JAN 75-NOV 79	15 OCT 79	7911(EM)
*HISTLINE	37,837		10 OCT 79	7910(EM)
MEDLINE	595,357	JAN 77-NOV 79	06 OCT 79	7911(IM)
MESH VOC	14,819	1979	11 DEC 78	
*NAME AUTH	106,521	1979	13 OCT 79	
*RTECS	36,851	1978	07 SEP 79	
SDILINE	21,397	NOV 79	06 OCT 79	
*SERLINE	33,426	1979	27 SEP 79	
*TDB	2,515		19 SEP 79	
*TOXLINE	628,743		24 SEP 79	7909(ST)
CBAC	326,675	1974-VOL 30(5)		
TOXBIB	123,868	1974-OCT 79		
IPA	35,265	1974-JUL 79		
HEEP	75,876	1974-VOL 8(10)		
PESTAB	16,063	1974-JUN 79		
EMIC	24,290	1960-JUN 79		
ETIC	15,301	1950-MAR 79		
RPROJ	9,567	JAN 79-NOV 79		
*TOXBACK	379,299		26 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) 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 ONLINE 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.

1980 TOOLS - The following 1980 publications are expected to be available at NTIS during November:

<u>Accession Number</u>	<u>Title</u>	<u>Prices</u>
PB-300-500 (supercedes PB-285-356)	MEDICAL SUBJECT HEADINGS-- ANNOTATED ALPHABETIC LIST, 1980	\$15.00 Domestic \$30.00 Foreign* \$ 3.00 Microfiche**
PB-300-498 (supercedes PB-285-357)	MEDICAL SUBJECT HEADINGS-- TREE STRUCTURES, 1980	\$10.50 Domestic \$21.00 Foreign* \$ 3.00 Microfiche**
PB-300-499 (supercedes PB-286-393)	PERMUTED MEDICAL SUBJECT HEADINGS, 1980	\$ 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 Mexico, Brazil, 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, December 1978.

**An additional \$1.50 per title for handling and mailing must be included by foreign countries ordering directly from NTIS.

INDEXING
TECHNICAL
NOTES

- Indexing Technical Notes, Numbers 234-239, will be distributed to online centers with a future issue of the Bulletin. These Technical Notes were issued in 1979 and are mentioned in the Online Services Update, 1980, prepared for NLM and regional update workshops.

YEAR END
PROCESSING

- Enclosed with this Bulletin are some of the 1980 Mesh changes. The lists included are:

- (1) New Descriptors in 1980 MeSH
- (2) Tree Number Changes
- (3) Deleted Medical Subject Headings - 1980
- (4) List of Pre-explosions - 1980

Only those changes of which a searcher must be aware to make changes to their stored searches, by December 7, are included here. For further description of year end processing at NLM please see the article by Yvonne Scott in the October 1978 NLM Technical Bulletin, pages 14-15.

- Following is the schedule for year end processing:

November 5 - MEDLINE and SDILINE will be updated with December 79 data at NLM and SUNY.

November 19 - December SDILINE at NLM will be replaced with another December SDILINE which has been file maintained to reflect 1980 MeSH and all stored searches will be executable online. SUNY will remain unchanged.

December 10 - MEDLINE and SDILINE will be updated with January 1980 data at NLM and SUNY. All files will have been file maintained to reflect 1980 MeSH and MEDLINE will have been regenerated to transfer 1977 data to BACK77. BACK77 is being created with 1977 citations, instead of adding them as a third year to BACK75, because of the great volume of 1977 information. Stored searches will no longer be executable online.

PH (MH) vs.
PH (SH)

- The term PH may be searched in MEDLINE as the abbreviation for either the descriptor HYDROGEN-ION CONCENTRATION or the subheading "physiology." PH (MH) will result in postings for the descriptor, whereas PH (SH) will result in postings for the subheading. When PH is searched with no category qualifier, the system defaults to the subheading. The MeSH Section, NLM, is looking into ways to eliminate the ambiguity of PH for 1981 MeSH.

CHARGES

- The Washington University School of Medicine Library Notes (Vol. 19(1):4, Sep 79) erroneously announced that NLM has increased the charge for offline prints. This is not true; the offprint charge will remain \$.12 per page.

TYMNET ACCESS

- NLM expects to provide 10, 15, and 120 cps access, in addition to the current 30 cps access, via TYMNET on October 15, 1979.

NEW USER MORATORIUM

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

This is to notify you that effective immediately no new institutional users will be accepted in the NLM online network. This action is being taken in order to ensure that existing users are afforded effective and timely service during a period when our computer capacity is being severely tested. We are hopeful that additional computer capacity will soon be available. Where it is possible for users to utilize the SUNY or other services this should be encouraged. We will, of course, honor those commitments for new users that have been completely processed.

ONLINE CITATION FORMAT CHANGES FOR 1980

Lou S. Knecht, MEDLARS Management Section, NLM

To come into step with the American National Standard Institute's (ANSI) standard for bibliographic citations (ANSI Z39.29-1977), NLM is changing the online citation format for 1980 in the following three files: 1) MEDLINE (i.e., 1978-1980), 2) MED77 (i.e., the new MEDLINE backfile being created at the time of 1979 year-end processing at NLM), and 3) Health Planning and Administration (HP&A).

For journal article citations, the source information will be rearranged as follows for 1980:

SO - Title Abbreviation Year Month Day;Volume(Issue):Pages

SO - Psychol Rep 1978 Oct;43(2):487-92

The pre-1980 source format for comparison is as follows:

SO - Title Abbreviation Volume(Issue):Pages, Day Month Year

SO - Psychol Rep 43(2):487-92, Oct 78

The option for placing the date of publication just after the title abbreviation was selected because, next to the title abbreviation, it is the most common element of the source information (followed by volume, issue, pages).

Note that in addition to moving the date of publication to immediately after the journal title abbreviation, the year will be four digits. The searchable YR (Year) field will remain in the two-digit format to ensure consistency in backfile searching. However, since it is to be derived from the third and fourth digits of the Date of publication field (PD in MEDLINE; DP in HP&A), it will be the earliest year of a two-year date that will be searchable, not the latest year. For example:

Present Format		New Format	
<u>PD</u>	<u>YR</u>	<u>PD</u>	<u>YR</u>
Jan 76-Jan 77	77	1976 Jan-1977 Jan	76
1976-1977	77	1976-1977	76

All three above named files will be maintained to reflect the 1980 format with a four-digit year first in the Date of publication field. (Some inconsistencies with placement of month and day may result from this machine conversion).

For monographic chapter citations, the ANSI standard places the pagination after the year in the IN: statement. However, NLM software does not accommodate this format. Until new software is developed to generate separate fields for each of the data items within the IN: statement, NLM will deviate from the standard, and pagination will appear as the last item as follows:

- AU - Author of chapter
- TI - Title of chapter.
- SO - In: Main entry of piece as established by Cataloging Section. Title of piece. Place of publication: Publisher, Year. (Series name; series numbering) NLM call number. pp.

1980 PRT COMPR format:

- AU - Carlsson A; Lindqvist M
- TI - Effects of antidepressant agents on monoamine synthesis.
- SO - In: Depressive disorders: symposium, Rome, May 9th-11th, 1977. Stuttgart; New York: Schattauer Verlag, c1978. (Symposia medica Hoechst; 13) W3 SY1055 v.13 1977. pp. 95-105

For comparison, this is the current monographic chapter format:

- AU - Author of chapter
- TI - Title of chapter. pp.
- SO - In: Author of piece as selected by Index Section. Title of piece. Place of publication, Publisher, Year. NLM call number.

Pre-1980 PRT COMPR format:

- AU - Carlsson A; Lindqvist M
- TI - Effects of antidepressant agents on monoamine synthesis. pp. 95-105.
- SO - In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

To produce the monographic source information, the TA (Title abbreviation) field will contain all elements of the In: statement except the pagination. The pagination will be entered in the PG (Pagination) field. The system will then concatenate these two fields to generate the complete source information for the online and publication records.

All information for the In: statement, including main entry and title, will be derived as is from NLM cataloging copy. In cases where the title continuation is long, and the main entry and title give enough information, the title continuation may be omitted. The only other permissible deviations from the cataloging copy are the inclusion of only the most prominent place of publication and the use of a shortened form of the publisher's name.

Note that a modified International Standard Bibliographic Description for Monographic Publications (ISBD-M) punctuation will be used, i.e., colon space (:) between title and title continuation; semicolon space (;) between two places of publication; colon space (:) between place of publication and publisher; comma space (,) between publisher and year. Series information consisting of series name and numbering enclosed in parentheses after the imprint will appear as added information.

LIST OF MONOGRAPHS INDEXED will continue as a feature at the front of IM for 1980. The complete Anglo-American Cataloging Rules representation of the piece containing the chapter will be cited in this section. Since the IM citation will now contain the cataloging choice of main entry, the bibliographic information for the parent piece will be easier to locate in the LIST.

None of the monographic chapter citations will be back-maintained. The new format will be used only for 1980 (and forward) input. Having two formats for such citations in MEDLINE will have little impact since searching is not affected and less than one percent of the data base is involved.

These format changes will be reflected in the printed citation in the appropriate NLM publications derived from these data bases. See the introduction to Index Medicus for January 1980 for further information.

LIMITED CATALOGING IN CATLINE
Sally K. Sinn, Technical Services Division, NLM

The Technical Services Division has expanded the scope of "Limited Cataloging" as first announced in the NLM Technical Bulletin (Apr 79, No. 120). The Cataloging Section is continuing to add limited cataloging records to CATLINE; however, the level of cataloging for monographs is now based on the minimal record definition in the draft version of the National Level Bibliographic Record--Books. This draft standard has been reviewed by research libraries in the U.S. and has been generally accepted as a minimal level record necessary for distribution of cataloging in any national bibliographic system. AACR will be followed for the descriptive cataloging content and for the choice and form of main entry headings. Name authority searching will be done to ensure that headings used are consistent with any already established in CATLINE.

These limited cataloging records differ from earlier limited cataloging records added this year in the following elements:

1. The basic descriptive information for any monograph is generally complete through the series note, but only essential access points, such as the personal or corporate name main entry or, in the case of title main entries, only one additional personal or corporate name added entry will be given.
2. The authorship statement will be present only if there are multiple authors, or if the form of name in the authorship statement varies in fullness from the form used as the main entry.
3. Series notes will be given for all series appearing on the piece, but they will not be traced; therefore, if a series is normally "made" or "traced," there will be no attempt to enter it in its proper established form as a series added entry.
4. Notes will be given sparingly, and only when the information is readily available from the piece itself, or from existing Library of Congress cataloging copy.
5. Classification numbers will not be assigned. The call number element (CA) will contain the NLM arrearage shelving number.
6. General subject headings will be applied from MeSH, but these will be restricted to one or two headings, with any appropriate topical sub-headings and a limited number of authorized form and geographic subheadings.

As with earlier limited cataloging records, these records will initially appear only in CATLINE and will not be published with regular full level cataloging in the Current Catalog. The Technical Services Division is currently assessing several alternatives for the publication of this limited cataloging.

CHANGES IN HISTLINE
Lou S. Knecht, MEDLARS Management Section, NLM

The following changes have been implemented for HISTLINE:

1. The old S0 (Source) field has been renamed to VI (Volume issue).
2. The TA (Title abbreviation) and VI (Volume issue) fields have been combined to form the new, composite S0 (Source) field.

3. A new data element, EM (Entry Month), has been generated from the DA (Date of entry) field for all records. The EM field is in the four-digit format YYMM (YearMonth). It is directly searchable and indicates during which monthly update a record was entered into HISTLINE.
4. The AU (Author) field has been textextracted, and therefore is Text Word searchable. Citations to anonymous articles have their titles in the AU field for the publication of the Bibliography of the History of Medicine and contain no Title (TI) field. In the past, these citations had no Text Word access online. Now such citations will be retrievable using Text Words.

It is no longer necessary to specify TA and SO in tailored PRINT commands; items 1. and 2. above have gathered all source information for journal articles into the SO (Source) field. Source information for monographs is still located in the TI (Title) field.

As a result of these programming changes, a colon is printed as the last item in the SO (Source) field. For monographs, the SO field consists solely of the colon. This will be corrected in the future.

NEW SERIALS ANNOUNCEMENT - SEPTEMBER 1979
Serial Records, Technical Services Division, NLM

The following substantive serial titles were received or ordered by the Serial Records Section. IM to the left of the title indicates that the title appears in Index Medicus. ON ORDER, IN PROCESS, or an actual NLM call number appears at the bottom of the entry. Please include the NLM call number on interlibrary loan requests. Of course, NLM cannot fill loans for titles not yet received by the Library. The list is offered as an early announcement. 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 NEURORADIOLOGY
1,1980--
WILLIAMS AND WILKINS
BALTIMORE UNITED STATES
ON ORDER

ANADOLU TIP DERGISI
1N1, APR 1979--
ANADOLU UNIVERSITESI TIP FAKULTESI
ESKISEHIR TURKEY
ANADOLU UNIVERSITESI MERKEZI KUTUPHANESI
ESKISEHIR, TURKEY
IN PROCESS

BOLETIM DE MEDICINA LEGAL E TOXICOLOGIA
FORENSE
1,1978--
INSTITUTO DE MEDICINA LEGAL PORTO
LISBOA PORTUGAL
ON ORDER

BRAIN & DEVELOPMENT
1,1979--
B AND D PUBLISHING SOCIETY
OFFICIAL JOURNAL OF THE JAPANESE SOCIETY OF
PEDIATRIC NEUROLOGY.
TOKYO UNITED STATES
W1 BR112H

NLN TECHNICAL BULLETIN - OCT 79

- CALIFORNIA MEDICAL BULLETIN
1,1905
CALIFORNIA MEDICAL ALUMNI ASSOCIATION
LIMITED CATALOGING FOR C LEVEL. FIRST/LAST
ISSUE REPRESENTS RANGE OF NLN HOLDINGS.
SAN FRANCISCO UNITED STATES
300 NORTH ZEEB RD., ANN ARBOR, MICHIGAN
48106
WI CA383
- IM CANADIAN JOURNAL OF PSYCHIATRY. REVUE
CANADIENNE DE PSYCHIATRIE
24N1, FEB 1979--
CANADIAN PSYCHIATRIC ASSN
CONTINUES CANADIAN PSYCHIATRIC ASSOCIATION
JOURNAL. OFFICIAL JOURNAL OF THE CANADIAN
PSYCHIATRIC ASSOCIATION
OTTAWA CANADA
WI CA602V
- CARDIOLOGY UPDATE
1979--
ELSEVIER
NEW YORK UNITED STATES
WI CA77KE
- CHEMIOTERAPIA ONCOLOGICA
1,DIC 1977--
EDITRICE GIUNTINA
FIRENZE ITALY
ON ORDER
- IM CHIRURGIE PEDIATRIQUE
19,1978--
MASSON
CONTINUES ANNALES DE CHIRURGIE INFANTILE
PARIS FRANCE
WI CH832D
- CHUNG-HUA CHUNG LIU TSA CHIH
1,MAR 1979--
CHINESE MEDICAL ASSOCIATION
BEIJING CHINA, MAINLAND
IN PROCESS
- CHUNG-HUA HSIN HSUEH KUAN PING TSA CHIH
7,MAR 1979--
GUOZI SHUDIAN
PEKING CHINA, MAINLAND
IN PROCESS
- CLINICAL IMMUNOLOGY UPDATE
1979-
ELSEVIER
NEW YORK UNITED STATES
WI CL715L
- CLINICAL PREVENTIVE DENTISTRY
6N1, JAN-FEB 1979--
J.B. LIPPINCOTT
CONTINUES JOURNAL OF PREVENTIVE DENTISTRY.
PHILADELPHIA UNITED STATES
ON ORDER
- CURRENT AUSTRALIAN HEALTH SERIALS
1979--
AUSTRALIA DEPT. OF HEALTH, CENTRAL LIBRARY
COMPILED FROM THE DEPARTMENTS HOLDINGS WITH
ADDITIONAL TITLES SELECTED FROM CURRENT
AUSTRALIAN SERIALS, 1975- AND THE
AUSTRALIAN NATIONAL BIBLIOGRAPHY
CANNBERRA AUSTRALIA
ZW 1 C93
- DERMATOLOGY UPDATE
1979--
ELSEVIER
NEW YORK UNITED STATES
WI DE509K
- DIABETOLOGIE-INFORMATIONEN
1,1979--
HANSISCHES VERLAGSKONTOR H. SCHEFFLER
LUBECK GERMANY, WEST
IN PROCESS
- DIAGNOSIS
1979--
MEDICAL ECONOMICS COMPANY
ORADELL NJ UNITED STATES
ON ORDER
- IM EAR, NOSE, AND THROAT JOURNAL
55N7,1976--
INSIGHT PUBLISHING COMPANY
CONTINUES EYE, EAR, NOSE AND THROAT MONTHLY
NEW YORK UNITED STATES
WI EA65
- EDUCATIONAL MATERIALS QUARTERLY
1,JAN 1979--
RADIOLOGICAL SOCIETY OF NORTH AMERICA.
EDUCATIONAL MATERIALS DIVISION
CHICAGO UNITED STATES
ON ORDER
- EINFUEHRUNG IN DIE PRAXIS DER
WIRTSCHAFTSPSYCHOLOGIE
1,1979--
FERDINAND ENKE VERLAG
STUTTGART GERMANY, WEST
IN PROCESS
- EXPANDED PROGRAM ON IMMUNIZATION IN THE
AMERICAS
1,MAY 1979--
PAN AMERICAN HEALTH ORGANIZATION
PUBLISHED ALSO IN SPANISH.
WASHINGTON UNITED STATES
525 23RD ST. N.W., WASHINGTON, D.C.
ON ORDER
- FOOT AND ANKLE
1,JULY 1980--
WILLIAM AND WILKINS
BALTIMORE UNITED STATES
ON ORDER
- GUIDELINES IN MEDICINE
1,1979--
UNIVERSITY PARK PRESS
BALTIMORE UNITED STATES
WI GU78Y
- HORMONAL CONTROL OF LACTATION
1,OCT 1979--
EDEN PRESS
MONTREAL CANADA
EDEN MEDICAL RESEARCH INC P.O. BOX 51 ST.
ALBANS, VT 05478
ON ORDER
- IMMUNOLOGY AND ALLERGY PRACTICE
1,1979--
AMERICAN ASSOCIATION FOR CLINICAL
IMMUNOLOGY AND ALLERGY
OMAHA NB UNITED STATES
P.O. BOX 912, OMAHA, NEBRASKA 68101
ON ORDER

INTERNATIONAL JOURNAL OF PEDIATRIC
OTORHINOLARYNGOLOGY
1,1979--
ELSEVIER
AMSTERDAM
ON ORDER
NETHERLANDS

JOURNAL OF CONTINUING EDUCATION IN
ORTHOPEDICS
6,1978--
MEDICAL DIGEST
CONTINUES ORTHOPEDICS DIGEST.
NORTHFIELD IL
ON ORDER
UNITED STATES

JOURNAL OF VIROLOGICAL METHODS
1,1980--
ELSEVIER/NORTH-HOLLAND
AMSTERDAM
ON ORDER
NETHERLANDS

MONOGRAPHS IN CLINICAL OTOLARYNGOLOGY
1,1979--
CHURCHILL LIVINGSTONE
NEW YORK
WI MO567KK
UNITED STATES

MONOGRAPHS IN PSYCHOBIOLOGY AND DISEASE
1,1979--
ELSEVIER
NEW YORK
WI MO568P
UNITED STATES

MULTI-MEDIA MEDICINE
1,1980--
AMERICAN COLLEGE OF PHYSICIANS
CONTINUES AMERICAN COLLEGE OF PHYSICIANS
SELF LEARNING SERIES
PHILADELPHIA PA
AMERICAN COLLEGE OF PHYSICIANS 4200 PINE
ST. PHILADELPHIA, PA
UNITED STATES

NEUROBEHAVIORAL TOXICOLOGY
1,SPRING 1979--
ANKHO INTERNATIONAL
FAYETTEVILLE NY
P.O. BOX 426, FAYETTEVILLE, NY 13066
ON ORDER
UNITED STATES

PERSONNALITE
1,OCT 1979--
PRESSES UNIVERSITAIRES DE FRANCE
CONTINUES CHARACTEROLOGIE
PARIS
ON ORDER
FRANCE

PLASMAPHERESIS AND PLASMA EXCHANGE
1,FEB/MAR 1980--
EDEN PRESS
MONTREAL
EDEN MEDICAL RESEARCH INC., BOX 51, ST
ALBANS, VT 05478
ON ORDER
CANADA

POPULATION AND FAMILY PLANNING PROGRAMS
9,1978--
POPULATION COUNCIL
CONTINUES POPULATION AND FAMILY PLANNING
PROGRAMS: A FACTBOOK
NEW YORK
WI P0598
UNITED STATES

PSICOPATOLOGIA E ANTROPOLOGIA
1,1979?--
SERGIO GHISONI EDITORE
MILANO
IN PROCESS
ITALY

REVISTA BRASILEIRA DE GENETICA
1N1,1978--
SOCIEDADE BRASILEIRA DE GENETICA
CALLED ALSO: BRAZILIAN JOURNAL OF GENETICS.
SAN PAULO
PROF. F.A. MOURA DUARTE, DEPARTMENT OF
GENETICS, FACULDADE DE MEDICINA DE RIBEIRAO
PRETO, SAO PAULO, BRAZIL
WI RE326
BRAZIL

SAUDI MEDICAL JOURNAL
1N1,JULY 1979--
RIYADH AL-KHARJ HOSPITAL PROGRAMME
TEMPORARY CATALOGING.
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BOX 7897, RIYADH, SAUDI ARABIA.
WI SA966
SAUDI ARABIA

SHIMANE JOURNAL OF MEDICAL SCIENCE
1,DEC 1977--
SHIMANE MEDICAL UNIVERSITY
IZUMI
IN PROCESS
JAPAN

SPECULATIONS IN SCIENCE AND TECHNOLOGY
1,1978--
ELSEVIER SEQUOIA
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ISSUED BY THE INSTITUT FUR
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BERLIN
QV 740 664 57
GERMANY, EAST

SURGICAL REVIEW
1,1979--
PITMAN MEDICAL
TUNBRIDGE WELLS
PITMAN MEDICAL PUBLISHING CO. LTD P.O. BOX
7 TUNBRIDGE WELLS, KENT, TN1 1XH, ENGLAND
WI SU767L
ENGLAND

TRANSCRIPTION OF THE EUKARYOTIC GENOME
1,OCT 1979--
EDEN FRESS
MONTREAL
BOX 51 ST. ALBANS, VERMONT 05478
ON ORDER
CANADA

VITAMIN/TRACE MINERAL/PROTEIN INTERACTIONS
1,1978?--
EDEN FRESS
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ALBANS, VT 05478
ON ORDER
CANADA

LIST OF MONOGRAPHS INDEXED

NOVEMBER 1979

C

Conference on the Decline in Coronary Heart Disease Mortality, Bethesda, Md., 1978. Proceedings of the Conference on the Decline in Coronary Heart Disease Mortality, National Heart, Lung, and Blood Institute, National Institute of Health, Bethesda, Maryland, October 24-25, 1978 / editors Richard J Havlik, Manning Feinleib, associate editors, Thomas Thom [et al] -- Bethesda, Md U S Dept of Health Education, and Welfare, Public Health Service, National Institutes of Health, 1979 xxvii, 399, 42 p ill -- (NIH publication, no 79-1610)

1 Coronary Disease mortality - U S - congresses
 I Feinleib, Manning, 1935- ed II Havlik, Richard J., ed III Thom, Thomas, ed IV National Heart, Lung, and Blood Institute V Title VI Series
 04NLM WG 300 3 C748p 1978
 IM Cit No 7998

I

International Conference on Limited Proteolysis in Microorganisms, National Institutes of Health, 1978. Limited proteolysis in microorganisms biological function, use in protein structural and functional studies / Georges N Cohen, Helmut Holzer, editors -- [Bethesda, Md] U S Dept of Health, Education, and Welfare, Public Health Service, National Institutes of Health, 1979 vii, 255 p ill -- (DHEW publication, no (NIH) 79-1591) Sponsored by the National Institute of Arthritis, Metabolism, and Digestive Diseases, National Institute of Allergy and Infectious Diseases, and the John E Fogarty International Center for Advanced Study in the Health Sciences

1 Genetics, Microbial - congresses 2 Peptide Hydrolases - congresses 3 Proteins - analysis - congresses I Cohen, Georges N, ed II Holzer, Helmut, ed III John E Fogarty International Center for Advanced Study in the Health Sciences IV, National Institute of Allergy and Infectious Diseases V National Institute of Arthritis, Metabolism, and Digestive Diseases VI Title VII Series
 LC 78-600168

04NLM QU 136 159L 1978
 IM Cit No 7907708

S

Symposium on Glycoproteins and Glycolipids in Disease Processes, Anaheim, Calif., 1978. Glycoproteins and glycolipids in disease processes a symposium / sponsored by the ACS Division of Carbohydrate Chemistry at the 175th meeting of the American Chemical Society, Anaheim, March 14-15, 1978, Earl F Walborg, Jr, editor - Washington American Chemical Society, 1978 xv, 480 p ill -- (ACS symposium series, 80)

1 Antigens, Neoplasm - congresses 2 Carbohydrate Metabolism, Inborn Errors - congresses 3 Glycolipids - congresses 4 Glycoproteins - congresses I Walborg, Earl F ed II American Chemical Society Division of Carbohydrate Chemistry III Title IV Series
 LC 78-11920

ISBN 0-8412-0452-7
 04NLM QU 55 S9801g 1978
 IM Cit No 7907343

ADMINISTRATIVE AND BILLING INFORMATION
for United States Users of the
NATIONAL LIBRARY OF MEDICINE'S ONLINE SERVICES

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26. TROUBLE CALLS (SERVICE DESK)

MEDLARS MANAGEMENT SECTION
NATIONAL LIBRARY OF MEDICINE
8600 ROCKVILLE PIKE
BETHESDA, MARYLAND 20209
301/496-6193
800/638-8480

MMS OCTOBER 1979

(1)
ACCESSING
NLM'S ONLINE
NETWORK

ACCESS TO THE NATIONAL LIBRARY OF MEDICINE'S ONLINE DATA BASES IS COORDINATED THROUGH REGIONAL MEDICAL LIBRARIES (RMLs). THE RMLs PROVIDE APPLICATION KITS WHICH CONTAIN POLICY, BILLING, AND TRAINING FORMS, AS WELL AS GUIDELINES FOR PREPARING SUPPORTING DOCUMENTATION. THE APPLICATIONS ARE PROCESSED THROUGH THE RMLs AND THEN FORWARDED TO THE NATIONAL LIBRARY OF MEDICINE (NLM). THERE ARE A VARIETY OF TYPICAL COSTS THAT ALL ONLINE USERS MUST BEAR. THESE INCLUDE THE COST OF TERMINAL RENTAL OR PURCHASE, TRAVEL PLUS LODGING FOR A TRAINEE, AND COMPUTER TIME AND PAGE CHARGES. PLEASE CONTACT THE APPROPRIATE RML LISTED BELOW FOR INSTRUCTIONS AND PROCEDURES TO APPLY FOR ONLINE ACCESS.

REGIONAL MEDICAL LIBRARIES

1. New England Regional Medical Library Service
(CT, MA, ME, NH, RI, VT)
Francis A. Countway Library of Medicine
70 Shattuck St., Boston, MA 02115
Librarian: C. Robin LeSueur
RML Director: Arlee May
Tel: 617/732-2128 TWX: 710/388-6702
2. New York and New Jersey Regional Medical Library
(NY, NJ)
New York Academy of Medicine Library
2 East 103 St., New York, NY 10029
Librarian: Brett Kirkpatrick
Asst. Librarian, RML Services: Vernon Bruette
Tel: 212/876-8763, 1232 TWX: 710/581-6131
3. Mid-Eastern Regional Medical Library Service
(DE, PA)
Library of the College of Physicians
19 South 22 St., Philadelphia, PA 19103
Librarian: Elliott H. Morse
RML Director: June Fulton
Tel: 215/561-6050 x63 TWX: 710/670-1646
4. Mid-Atlantic Regional Medical Library
(DC, MD, NC, VA, WV)
National Library of Medicine
8600 Rockville Pike, Bethesda, MD 20209
Librarian: Martin M. Cummings, M.D.
RML Director: Maxine K. Hanke
Assoc. Director, RML: Jackie Mikail
Tel: 301/496-5955 TWX: 710/824-9615, 9616
5. Kentucky-Ohio-Michigan Regional Medical Library Program
Wayne State University, Shiffman
Medical Library
4325 Brush St., Detroit, MI 48201
RML Director: James F. Williams, II
RML Assoc. Director: Faith Van Toll
Tel: 313/577-1101, 1168 TWX: 810/221-5163
6. Southeastern Regional Medical Library Program
(AL, FL, GA, MS, SC, TN, PR)
A. W. Calhoun Medical Library
Emory University, Atlanta, GA 30322
Librarian: Miriam H. Libbey
Asst. Director, RML: Michael J. Torrente
Tel: 404/329-5818 TWX: 810/751-8512
7. Midwest Health Sciences Library Network
(IA, IL, IN, MN, ND, WI)
John Crerar Library
35 West 33 St., Chicago, IL 60616
Librarian: William S. Budington
Asst. RML Director: Ruby S. May
Tel: 312/225-2526 x78, 79, 47
TWX: 910/221-5131
8. Midcontinental Regional Medical Library Program
(CO, KS, MO, NB, SD, UT, WY)
Library of Medicine, University of Nebraska
Medical Center
42nd and Dewey Ave., Omaha, NB 68105
RML Director: Robert Braude
Acting Assoc. Director, RML: Richard Pride
Tel: 402/541-4646, 4006 TWX: 910/622-8353
9. South Central Regional Medical Library Program
(TALON)
(AR, LA, NM, OK, TX)
University of Texas Health Science Center
5323 Harry Hines Blvd., Dallas, TX 75235
RML Director: Jean Miller
Assoc. Director, RML: John A. (Pat) Murphey
Tel: 214/688-2627 TWX: 910/861-4946
10. Pacific Northwest Regional Health Sciences Library
(AK, ID, MT, OR, WA)
University of Washington Health Sciences Library
Seattle, WA 98195
RML Director: Gerald J. Oppenheimer
Tel: 206/543-8262 TWX: 910/444-1385
11. Pacific Southwest Regional Medical Library Service
(AZ, CA, HI, NV)
Biomedical Library, Center for the Health Sciences
University of California
Los Angeles, CA 90024
Director: Gloria Werner
Asst. Director: Bob Bellanti
Tel: 213/825-1200 TWX: 910/342-6897

(2)
APPLICATION
PROCEDURES

ALL APPLICATIONS TO BECOME AN NLM ONLINE USER AND REQUESTS BY EXISTING USERS FOR ADDITIONAL CODES SHOULD BE MADE TO THE REGIONAL MEDICAL LIBRARY (RML). COMPLETED APPLICATIONS ARE SUBMITTED TO THE RML FOR REVIEW AND ENDORSEMENT. THE RML FORWARDS THE APPLICATION TO NLM WITH A LETTER OF ENDORSEMENT/TRANSMITTAL. THE APPLICATION REQUIRES INCLUSION OF THE FOLLOWING ITEMS AND INFORMATION:

- a. APPLICATION JUSTIFICATION:
 - * TYPE OF CENTER & STATUS
 - * DESCRIPTION OF ORGANIZATION
 - * PURPOSE OF NLM ONLINE ACCESS
 - * PROJECTED MONTHLY USE OF NLM DATA BASES
 - * PRIOR USE OF ONLINE SERVICES THROUGH ESTABLISHED CENTERS
 - * OTHER ONLINE SERVICES AVAILABLE
 - * LIBRARY/BIBLIOGRAPHIC RESOURCE BACKUP
 - * DESCRIPTION OF LIBRARY/INFORMATION SERVICES (COLLECTION, STAFF, SERVICES)
 - * CLIENTELE OFFERED LIBRARY/INFORMATION SERVICES
 - * POLICY ON SERVICES TO OUTSIDE USERS
 - * USER CHARGES
 - * TERMINAL AVAILABILITY
- b. MEMORANDUM OF UNDERSTANDING (2 SIGNED & DATED ORIGINALS)
- c. ONLINE AGREEMENT - FOR BILLING (2 SIGNED & DATED ORIGINALS)
- d. TRAINING APPLICATION
- e. RML LETTER OF ENDORSEMENT/TRANSMITTAL

IF AN APPLICATION IS NOT ENDORSED BY THE RML, IT IS STILL FORWARDED WITH A WRITTEN REVIEW FOR NLM'S DECISION ON ACCESS.

(3)
BILLING AND NTIS
ONLINE AGREEMENT

BILLING FOR ONLINE SERVICES WILL BE PERFORMED BY THE NATIONAL TECHNICAL INFORMATION SERVICE (NTIS). TWO ONLINE AGREEMENTS (TWO ORIGINAL SIGNED COPIES) MUST BE COMPLETED FOR EACH ONLINE ID CODE REQUESTED BY A USER. FOR EXAMPLE, IF YOU ARE REQUESTING THREE CODES, THREE SETS OF FORMS MUST BE COMPLETED.

A BILLING ADDRESS WILL BE USED BY NLM AND NTIS FOR EACH ID CODE. PROVISION FOR THIS IS MADE ON THE ONLINE AGREEMENT. A SPECIFIC OFFICE OR TITLE MAY BE DESIGNATED, BUT NO PERSONAL NAMES OF INDIVIDUALS WILL BE USED BY NLM OR NTIS FOR THE BILLING ADDRESS. ALSO ON THE ONLINE AGREEMENT IS PROVISION FOR SPECIFYING AN NLM TECHNICAL BULLETIN AND ADMINISTRATIVE ADDRESS. ADMINISTRATIVE MATERIALS, ONLINE SERVICES REFERENCE MANUAL AND UPDATES, TECHNICAL BULLETINS, ETC., WILL BE SENT TO THIS ADDRESS. PERSONAL NAMES OR OFFICES MAY BE USED IN THIS ADDRESS.

BILLING PROBLEMS SHOULD BE REFERRED TO MEDLARS MANAGEMENT SECTION (MMS). SEE ALSO CREDITS, INVOICE.

(4)
AUTOMATIC
SDI
SERVICE

USERS MAY STORE SEARCHES ON THE NLM COMPUTER (NOT AT SUNY) FOR AUTOMATIC PROCESSING EACH MONTH BY NLM AGAINST THE CURRENT MONTH'S CITATIONS IN EITHER THE SDILINE, TOXLINE OR CANCERLIT DATA BASE. USERS WISHING TO HAVE THIS SERVICE SHOULD CONTACT MEDLARS MANAGEMENT SECTION (MMS) FOR INSTRUCTIONS AND RESTRICTIONS ON USE OF THIS CAPABILITY PRIOR TO STORING SEARCHES. AN AUTOMATIC SDI REQUEST FORM MUST BE SUBMITTED BEFORE THIS SERVICE IS ACTIVATED. THESE FORMS MAY BE OBTAINED FROM MMS. ONCE A SEARCH HAS BEEN STORED, THE PARTICIPATING U. S. USER WILL BE CHARGED ONLY FOR PAGE CHARGES INCURRED EACH TIME THE SEARCH IS RUN BY NLM.

(5)
CHARGES
TO USERS

THE FOLLOWING RATES FOR U. S. NLM ONLINE SERVICES BECAME EFFECTIVE OCTOBER 1, 1979: (PRIME AND NON-PRIME TIMES AND CHARGES ARE SUBJECT TO CHANGE.)

PRIME TIME	
EACH HOUR OF TERMINAL TIME	
*10:00 A.M. - 5:00 P.M. (EASTERN TIME)	\$15.00
NON-PRIME TIME	
EACH HOUR OF TERMINAL TIME	
BEFORE 10:00 A.M.; BETWEEN 11:30 - 1 P.M.	
AND AFTER 5:00 P.M. (EASTERN TIME)	\$ 8.00
EACH PAGE OF COMPUTER PRINTOUT	\$.12

PLEASE NOTE THAT IF YOU ARE ONLINE DURING THE NON-PRIME TIME PERIOD AND CONTINUE INTO THE PRIME TIME PERIOD, YOU WILL CONTINUE TO BE CHARGED AT THE NON-PRIME TIME RATE OF \$8.00 PER HOUR. SIMILARLY, IF YOU ARE ONLINE DURING PRIME TIME AND CONTINUE SEARCHING INTO NON-PRIME TIME, YOU WILL CONTINUE TO BE CHARGED AT THE PRIME TIME RATE OF \$15.00 PER HOUR. HOWEVER, A RESTART, FILE OR STOP (AND RE-LOGIN) COMMAND WILL CHANGE THE CHARGE RATES.

IT IS EXPECTED THAT USERS WILL CHANGE TO THE CURRENT CHARGING SCHEDULE AS SOON AS PRACTICAL BY EXECUTING A RESTART COMMAND, A FILE - - - - COMMAND OR STOP AND RE-LOGIN TO THE SYSTEM. IN ORDER TO ACTIVATE A DIFFERENT CHARGING SCHEDULE WITHIN THE COMPUTER THE USER MUST RECEIVE THE GREETING MESSAGE "YOU ARE CONNECTED TO..." AS INITIALLY RECEIVED DURING LOGIN.

(6)
CHARGES
TO PATRONS

NLM REQUESTS THAT BILLING TO PATRONS IDENTIFY THAT PORTION OF ANY CHARGES WHICH IS ATTRIBUTABLE TO NLM CHARGES. FOR EXAMPLE, A BILLING MAY BE MADE AS FOLLOWS:

X SEARCHES	= \$	_____
NLM CHARGES FOR CONNECT TIME AND PRINTOUTS	= \$	_____
OTHER CHARGES (ANALYST TIME, ETC.)	= \$	_____
TOTAL	\$	_____

(7)
CODES

REQUESTS FOR CODES MUST BE RECEIVED BY MMS BY THE 15TH OF THE MONTH PRIOR TO THE MONTH THE CODE IS TO BE ACTIVATED.

AS OF JULY 1977 ONE CODE PROVIDES ACCESS TO ALL PUBLICALLY AVAILABLE FILES, E.G. MEDLINE, TOXLINE, CATLINE, ETC. SEPARATE CODES FOR MEDLINE AND TOXLINE ARE NO LONGER ISSUED.

(8)
CODES,
ADDITIONAL

TO REQUEST AN ADDITIONAL CODE(S) THE REQUESTING USER MUST SUBMIT TO THE APPROPRIATE RML (SEE ITEM 1) A JUSTIFICATION FOR THE REQUEST FOR ADDITIONAL CODES AND TWO SIGNED COPIES OF THE ONLINE AGREEMENT FOR EACH CODE BEING REQUESTED. THE RML FORWARDS THE JUSTIFICATION, THE SIGNED COPIES OF THE ONLINE AGREEMENT AND THE RML LETTER OF ENDORSEMENT OR TRANSMITTAL TO MMS.

(9)
CODES,
DEMONSTRATION

NLM HAS A LIMITED NUMBER OF CODES AVAILABLE FOR SHORT-TERM DEMONSTRATION PURPOSES. THESE CODES MAY BE REQUESTED BY EXISTING USERS OF NLM'S ONLINE SERVICES FOR DEMONSTRATIONS AT CONFERENCES, MEETINGS, ETC. USERS WISHING TO REQUEST THESE CODES SHOULD CONTACT MMS, STATING THE PURPOSE OF THE DEMONSTRATION, THE AUDIENCE SIZE, LEVEL, ETC., AND DATE OF THE DEMONSTRATION. WHENEVER POSSIBLE, THE SUNY COMPUTER SHOULD BE ACCESSED. THESE CODES ARE CURRENTLY FREE TO USERS.

(10)
CODES,
EDUCATIONAL

NLM HAS A LIMITED NUMBER OF CODES WHICH MAY BE USED BY EDUCATIONAL INSTITUTIONS SUCH AS LIBRARY SCHOOLS. REQUESTS FOR THESE CODES SHOULD BE SENT DIRECTLY TO THE HEAD, MMS AND SHOULD STATE THE PURPOSE OF THE TRAINING, THE AUDIENCE SIZE, LEVEL, ETC., AND THE TIME PERIOD WHEN THE CODES WILL BE NEEDED (IN MONTHLY INCREMENTS UP TO A MAXIMUM OF ONE YEAR). THE REQUEST MUST ALSO BE ACCOMPANIED BY TWO COPIES OF THE ONLINE (BILLING) AGREEMENT WHICH MAY BE OBTAINED FROM EITHER THE RML OR FROM MMS. CHARGES FOR THE USE OF THESE CODES IS THE SAME AS FOR USE OF THE OTHER NLM ONLINE SERVICES. ALL DATA BASES ARE ACCESSIBLE USING THESE CODES INCLUDING **MEDLEARN**.

(11)
COMPUTERS, NLM
AND SUNY

THE NLM COMPUTER IS LOCATED IN BETHESDA, MARYLAND. TWENTY-THREE DATA BASES ARE ACCESSIBLE. THE COMPUTER AT SUNY (STATE UNIVERSITY OF NEW YORK AT ALBANY) HAS 8 OF THE NLM DATA BASES. THE SUNY COMPUTER IS MAINTAINED BY NLM AS A BACKUP TO THE NLM COMPUTER. SEE ALSO DATA BASES.

(12)
CREDITS,
INVOICE

IF AN ERROR IS MADE ON THE NTIS INVOICE, CREDITS WILL BE GIVEN UPON WRITTEN REQUEST. PLEASE NOTIFY MMS IN WRITING OF SUCH ERRORS AND ATTACH APPROPRIATE DOCUMENTATION. IN ORDER TO KEEP CHARGES AT A MINIMUM, NLM CANNOT GIVE CREDIT FOR LOST OFFSEARCHES OR OFF-LINE PRINT PAGES. ALSO, CREDIT CANNOT BE GIVEN FOR ONLINE TIME PRECEDING A SYSTEM FAILURE, FOR INCOMPLETE OFFSEARCHES, STORESEARCHES, ETC.

(13)
DATA
BASES

THE FOLLOWING DATA BASES ARE CURRENTLY AVAILABLE ON THE NLM COMPUTER:

AVLINE	CATLINE	NAME AUTHORITY
*BACK66	*CHEMLINE	RTECS
*BACK69	CLINPROT	*SDILINE
*BACK72	EPILEPSYLINE	SERLINE
*BACK75	HEALTH	TDB
BIOETHICSLINE	HISTLINE	TOXBACK
CANCERLIT	*MEDLINE	TOXLINE
CANCERPROJ	*MESH VOCABULARY	

*AVAILABLE ALSO ON THE SUNY COMPUTER (ALBANY, NEW YORK).

(14)
HOURS OF
DATA BASE
AVAILABILITY

	<u>NLM</u>	<u>SUNY</u>
MONDAY	3 AM - 6 PM	8 AM - 9 PM
TUESDAY	3 AM - 9 PM	3 AM - 6 PM
WEDNESDAY	3 AM - 6 PM	8 AM - 9 PM
THURSDAY	3 AM - 6 PM	8 AM - 9 PM
FRIDAY	3 AM - 9 PM	8 AM - 6 PM
SATURDAY	---	---
SUNDAY	---	---

(15)
MEDLEARN

ALL U. S. USERS HAVE ACCESS TO THE COMPUTER ASSISTED INSTRUCTION (CAI) COURSE *MEDLEARN*. THIS CAI COURSE IS DESIGNED TO TEACH USERS HOW TO SEARCH THE NLM'S BIBLIOGRAPHIC RETRIEVAL SYSTEM. EMPHASIS IS ON THE MEDLINE DATA BASE. CHARGES FOR USING *MEDLEARN* ARE THE SAME AS THOSE FOR USING OTHER ONLINE FILES. *MEDLEARN* MAY BE ACCESSED ON THE NLM COMPUTER ONLY, PRIOR TO 10:00 A.M., FROM 11:00 A.M. TO 2:00 P.M., AND AFTER 5:00 P.M. (EASTERN TIME). THE COMPUTER WILL LIMIT THE NUMBER OF SIMULTANEOUS USERS AND THEREFORE *MEDLEARN* MAY NOT ALWAYS BE ACCESSIBLE DURING THESE TIME PERIODS. *MEDLEARN* MAY GENERALLY BE USED UNTIL 10:00 P.M. ET AND ALL DAY SATURDAY, BUT NLM DOES NOT GUARANTEE AVAILABILITY EXCEPT DURING ELHILL HOURS. NO SPECIAL FORMS NEED BE SUBMITTED IN ORDER TO USE *MEDLEARN*.

(15) Continued
MEDLEARN

EDUCATIONAL INSTITUTIONS (E.G., LIBRARY SCHOOLS) WHICH DO NOT PRESENTLY HAVE AN ID CODE PERMITTING ACCESS TO NLM'S RETRIEVAL SYSTEM MAY WRITE TO THE HEAD, MMS REQUESTING ACCESS TO *MEDLEARN*. THE REQUEST SHOULD STATE THE PURPOSE FOR USING *MEDLEARN*, THE TYPE AND SIZE OF THE STUDENT POPULATION, AND HOW LONG *MEDLEARN* WILL BE NEEDED (IN MONTHLY INCREMENTS). TWO COPIES OF THE ONLINE AGREEMENT (BILLING) MUST BE FILLED OUT, SIGNED, AND SUBMITTED WITH EACH *MEDLEARN* ID CODE REQUEST. THESE FORMS MAY BE OBTAINED FROM THE RML OR FROM MMS.

(16)
MEMORANDUM OF
UNDERSTANDING

USERS APPLYING FOR ACCESS TO NLM'S ONLINE SERVICES MUST COMPLETE TWO COPIES OF THE MEMORANDUM OF UNDERSTANDING, IN ADDITION TO OTHER SUPPORTING DOCUMENTATION, PRIOR TO GAINING ACCESS TO THE SYSTEM. THIS AGREEMENT BETWEEN NLM AND THE APPLICANT INSTITUTION IS INTENDED TO ASSURE A COMMON UNDERSTANDING OF THE RESPONSIBILITIES OF EACH PARTY IN THE NLM ONLINE NETWORK. COPIES OF THE MEMORANDUM OF UNDERSTANDING MAY BE OBTAINED FROM THE APPROPRIATE RML. PLEASE SEE PARAGRAPH (1) ALSO.

(17)
NEWS AND
BROADCAST
MESSAGES

NEWS ITEMS OF GENERAL INTEREST TO ALL USERS ARE AVAILABLE ONLINE IN THE NLM AND SUNY COMPUTERS. BRIEF NOTICES CONTAINING INFORMATION OF AN IMMEDIATE NATURE ARE INPUT BY MMS IN THE NLM AND SUNY COMPUTERS AS THE NEED ARISES.

(18)
ONLINE
AGREEMENT

THIS AGREEMENT, WHICH IS BETWEEN NTIS AND THE USER, AUTHORIZES NTIS TO BILL AND COLLECT FOR NLM'S ONLINE SERVICES. TWO SIGNED AND DATED COPIES OF THIS AGREEMENT MUST BE SUBMITTED WITH EACH APPLICATION OR ADDITIONAL CODE REQUEST. FORMS MAY BE OBTAINED FROM THE RML OR MMS.

(19)
PUBLICATIONS

A NUMBER OF REFERENCE TOOLS, SUCH AS THE MEDICAL SUBJECT HEADINGS, MeSH - ANNOTATED ALPHABETIC LIST, MeSH - TREE STRUCTURES, AND THE ONLINE SERVICES REFERENCE MANUAL, ARE HELPFUL WHEN USING THE NLM ONLINE FILES.

(19) Continued
PUBLICATIONS

IT IS THE RESPONSIBILITY OF EACH USER TO ACQUIRE THESE PUBLICATIONS FROM NTIS. NLM WILL NOT PROVIDE COPIES OF THESE REFERENCE MATERIALS WITH THE EXCEPTION OF AN INITIAL COPY OF THE ONLINE SERVICES REFERENCE MANUAL AND ONE COPY PER CODE OF THE MONTHLY NLM TECHNICAL BULLETIN. NTIS ORDER NUMBERS, PRICES, ETC. ARE ANNOUNCED IN THE NLM TECHNICAL BULLETIN, AS THEY BECOME AVAILABLE.

TRAINEES ARE REQUIRED TO HAVE CERTAIN BASIC REFERENCE TOOLS FOR USE DURING THE TRAINING. THE LIST OF THESE MATERIALS IS SENT TO EACH TRAINEE PRIOR TO THE CLASS. A COMPLETE LIST OF NLM PUBLICATIONS OFFERED FROM THE GOVERNMENT PRINTING OFFICE (GPO) AS WELL AS NTIS, INCLUDING ORDERING INSTRUCTIONS, IS AVAILABLE UPON REQUEST FROM MMS.

(20)
STATISTICS

USERS RECEIVE A MONTHLY INVOICE AND BACK-UP INFORMATION WHICH INCLUDES A SUMMARY OF USE BY FILE, CONNECT HOURS, PAGES, ETC. SUMMARY STATISTICS OF USE WITHIN EACH INDIVIDUAL REGION ARE SENT TO EACH REGIONAL MEDICAL LIBRARY MONTHLY.

(21)
TECHNICAL
BULLETIN, NLM

ONE COPY OF THE MONTHLY NLM TECHNICAL BULLETIN IS SENT TO EACH ONLINE CODE. THE NLM TECHNICAL BULLETIN IS NLM'S PRIMARY MEANS OF COMMUNICATING WITH THE USER REGARDING ONLINE ACTIVITIES. IT IS THE RESPONSIBILITY OF EACH USER TO SEE THAT THE NLM TECHNICAL BULLETIN IS ROUTED TO APPROPRIATE STAFF MEMBER(S). THE NLM TECHNICAL BULLETIN IS NOT COPYRIGHTED AND MAY BE REPRODUCED.

(22)
TELECOMMUNICATIONS

NLM'S ONLINE DATA BASES MAY BE ACCESSED WITH A TERMINAL AND TELEPHONE BY ANY OF THE FOLLOWING TELECOMMUNICATIONS METHODS:

DIRECT DIAL TO NLM COMPUTER (BETHESDA, MARYLAND)

TYMNET NETWORK

TELENET NETWORK

BIMONTHLY LISTS OF THESE NUMBERS ARE INCLUDED WITH THE NLM TECHNICAL BULLETIN.

**(22) Continued
TELECOMMUNICATIONS**

CURRENTLY, USERS LOCATED IN THE CONTINENTAL UNITED STATES WHO DO NOT HAVE ACCESS TO A LOCAL TELECOMMUNICATIONS NODE ARE PROVIDED WITH TOLL-FREE INMATS NUMBERS TO USE FOR ACCESSING NLM'S ONLINE SERVICES. THE USER MUST PROTECT THE CONFIDENTIALITY OF THESE NUMBERS. USERS MAY USE ANY OF THE TELECOMMUNICATIONS NETWORK LINES AVAILABLE, BUT NO CREDIT WILL BE GIVEN FOR LONG-DISTANCE CHARGES.

**(23)
TELEPHONES**

EACH USER IS RESPONSIBLE FOR PROVIDING AND MAINTAINING THE LOCAL TELEPHONE SERVICE AND EQUIPMENT REQUIRED FOR ACCESSING THE NLM ONLINE SYSTEM DIRECTLY OR FOR ACCESSING ANY COMMUNICATIONS NETWORK WHICH MAY BE PROVIDED BY NLM.

**(24)
TERMINALS**

IT IS THE RESPONSIBILITY OF EACH USER TO PROVIDE AND MAINTAIN ITS OWN TERMINAL(S) COMPATIBLE WITH NLM'S SYSTEM AND TO PROVIDE PAPER AND OTHER TERMINAL SUPPLIES.

**(25)
TRAINING CLASSES**

NLM, OR OTHER AUTHORIZED TRAINING CENTERS, WILL PROVIDE TRAINING FOR AT LEAST ONE MEMBER OF EACH USER ORGANIZATION. USERS REQUIRING TRAINING SHOULD CONTACT THEIR RML FOR APPLICATION FOR TRAINING FORMS.

PRIOR TO SENDING A REPRESENTATIVE FOR TRAINING, EACH USER IS REQUIRED TO: (1) HAVE COMPLETED THE MEMORANDUM OF UNDERSTANDING BETWEEN NLM AND THE USER, (2) HAVE COMPLETED THE ONLINE BILLING AGREEMENTS, PROVIDED NECESSARY PURCHASE ORDERS, ETC., (3) HAVE A TERMINAL, AND (4) HAVE A TELEPHONE OR DATA PHONE OR OTHER TELEPHONE EQUIPMENT NEEDED TO ACCESS THE SYSTEM.

ALL REQUESTS FOR ADDITIONAL TRAINING BY EXISTING USERS SHOULD BE MADE TO THE RML BY THE USER'S AUTHORIZING OFFICIAL OR DESIGNATED NLM CONTACT. ALL TRAINING APPLICATIONS MUST BE ACCOMPANIED BY A WRITTEN ENDORSEMENT FROM THE OFFICIAL OR CONTACT. TRAINING CATEGORIES FOR ONLINE SEARCHERS ARE:

- *PRIMARY SEARCHER (LARGE CENTERS WITH MULTIPLE ACCESS CODES)
- *REPLACEMENT FOR PRIMARY SEARCHER
- *BACKUP SEARCHER

NLM'S POLICY IS NOT TO PROVIDE REPEAT TRAINING FOR ANY INDIVIDUAL FORMERLY TRAINED IN AN NLM-SPONSORED ONLINE TRAINING PROGRAM.

(25) Continued
TRAINING CLASSES

THE TRAINING PROGRAM IS CONDUCTED IN TWO SESSIONS - INITIAL AND ADVANCED - SEPARATED BY A THREE-TO-SIX-MONTH PERIOD. EACH COURSE IS FIVE DAYS IN LENGTH. PERSONS WITH PREVIOUS EXPERIENCE WITH THE NLM (OR OTHER ONLINE) SYSTEM MAY APPLY DIRECTLY FOR ADVANCED TRAINING.

(26)
TROUBLE
CALLS
(SERVICE DESK)

BETWEEN THE HOURS OF 8:30 A.M. AND 5:00 P.M. (EASTERN TIME), MONDAY THROUGH FRIDAY, THE NATIONAL LIBRARY OF MEDICINE/MEDLARS MANAGEMENT SECTION IS AVAILABLE TO ANSWER USER INQUIRIES. USERS IN THE CONTINENTAL UNITED STATES (EXCLUDING MARYLAND) ENCOUNTERING PROBLEMS WITH THE NLM OR SUNY COMPUTER SYSTEM OR THE TELECOMMUNICATIONS NETWORK MAY CALL MMS ON THE TOLL-FREE NUMBER 800/638-8480. ALL OTHER PROBLEMS/INQUIRIES (SEARCH QUESTIONS, ADMINISTRATIVE MATTERS, ETC.) SHOULD BE RELAYED TO MMS VIA THE ONLINE COMMENT COMMAND, BY LETTER, OR THROUGH THE FOLLOWING TELEPHONE NUMBER: 301/496-6193 (THIS IS NOT A TOLL-FREE NUMBER).

DURING NON-WORKING HOURS, USERS MAY CONTACT THE NLM COMPUTER ROOM (301/496-2734) TO INQUIRE ABOUT THE OPERATING STATUS OF EITHER THE NLM OR SUNY SYSTEM. IT SHOULD BE NOTED THAT THE COMPUTER OPERATOR IS AVAILABLE TO ANSWER ONLY QUESTIONS REGARDING THE OPERATING STATUS OF THE COMPUTER.

ADDITIONAL PRE-EXPLOSIONS FOR 1980

A user survey taken during August 1979 has resulted in the addition of nineteen MeSH pre-explosions and one place of publication number pre-explosion to MEDLINE, its backfiles, and SDILINE. The following list includes both the old and new MeSH pre-explosions; the 1980 additions are preceded by (80).

<u>Term</u>	<u>Tree No.</u>
(80)ANTIBIOTICS	D20.85
(80)BACTERIA	B3
(80)BACTERIAL INFECTIONS	C1.252
(80)BEHAVIOR	F1.145
(80)BRAIN	A8.186.211
(80)CARBOHYDRATES	D9.203
(80)CARDIOVASCULAR DISEASES	C14
CELLS	A11
(80)CENTRAL NERVOUS SYSTEM	A8.186
(80)CENTRAL NERVOUS SYSTEM DISEASES	C10.228
ENZYMES	D8.586
HEART DISEASES	C14.280
(80)HORMONES	D6.472
(80)LIPIDS	D10.516
MAMMALS	B2.649
MENTAL DISORDERS	F3.709
(80)METABOLIC DISEASES	C18.452
NEOPLASMS	C4
(80)NERVOUS SYSTEM	A8
(80)NERVOUS SYSTEM DISEASES	C10
NEUROLOGIC MANIFESTATIONS	C10.597
PROTEINS	D12.776
(80)STEROIDS	D4.808
(80)SURGERY, OPERATIVE	E4
(80)UNITED STATES MC [as MeSH heading]	Z1.107.567.875
(80)UNITED STATES [as place of publication]	Z1.107.567.875
(80)VERTEBRATE VIRUSES	B4.909
VERTEBRATES	B2
(80)WOUNDS AND INJURIES	C21.866

A complete explanation of the searching procedures for pre-explosions is contained in the article "Pre-explosions in the 1979 MEDLINE Files" by Clifford A. Bachrach, M.D., NLM Technical Bulletin, November 1979, pages 7-8. You may also enter EXPLAIN PRE-EXPLOSION while online.

Note that the system differentiates between the pre-explosion of UNITED STATES as a place of publication number (PN) and UNITED STATES as a MeSH term by the addition of MC (MeSH Class) to the latter term.

UNITED STATES MC (PX) - MeSH Class pre-explode
 UNITED STATES (PX) - Place of publication pre-explode

DELETED MEDICAL SUBJECT HEADINGS - 1980

This is a specially prepared list containing only those terms which have really been removed from the system. They cannot be used as search terms and should be removed from stored searches and replaced with appropriate strategy based on the term(s) replacing them. Citations containing these deleted terms have all been file maintained so that the "replaced by" term now appears in the record.

<u>Deleted Heading</u>	<u>Replaced-By Heading</u>
AGGRESSIN	BACTERIAL TOXINS
AMISOMETRADINE	URACIL/analogs & derivatives
ANDROSTANEDIOL	5-ANDROSTANE-3,17-DIOL
AUREOFUNGIN	ANTIBIOTICS, ANTIFUNGAL
AVIATION DENTISTRY	AEROSPACE MEDICINE and DENTISTRY (both headings will appear on citations previously indexed under AVIATION DENTISTRY)
AZETEPA	AZIRIDINES
BCG VACCINATION	BCG VACCINES
BENAPRYZINE	BENZILATES
BENZACRIDINE	ACRIDINES
BENZONATATE	BENZOATES
BENZPYRINIUM BROMIDE	NEOSTIGMINE/analogs & derivatives
BICYCLOMYCIN	ANTIBIOTICS
BISOXATIN	OXAZINES
BUCLIZINE	PIPERAZINES
BUNAMIODYL	IODOBENZENES
BUTETHAMINE	AMINOBENZOIC ACIDS
BUTIDRINE	ETHANOLAMINES
CAPOBENIC ACID	AMINOCAPROIC ACIDS
CARBARSONE	ARSENICALS
CARPHENAZINE	PHENOTHIAZINES

<u>Deleted Heading</u>	<u>Replaced-By Heading</u>
CELESTICETIN	ANTIBIOTICS
CHLORBENZOXAMINE	PIPERAZINES
CLINICAL RESEARCH	CLINICAL TRIALS (a new heading to be used much more restrictively than was CLINICAL RESEARCH)
COCCIDIOIDOMYCOSIS VACCINE	FUNGAL VACCINES
DESENSITIZATION	DESENSITIZATION, IMMUNOLOGIC
DIPHETARSONE	ARSENICALS
DIUMYCIN	ANTIBIOTICS
DMAE	AMMONIUM COMPOUNDS
ECTYLUREA	UREA/analogs & derivatives
ENDURACIDIN	ANTIBIOTICS
ENTEROCRININ	GASTROINTESTINAL HORMONES
ETHYBENZTROPINE	TROPANES
ETRYPTAMINE	INDOLES
FENPROPorex	AMPHETAMINES
FORMOCORTAL	PREGNADIENES
FUMAGILLIN	FATTY ACIDS, UNSATURATED
FURTHETHONIUM	AMMONIUM COMPOUNDS
GLYCOBIARSOL	ARSENICALS
HEALTH CENTERS	AMBULATORY CARE FACILITIES, NON-HOSPITAL
HEXEDINE	IMIDAZOLES
HOSPITAL BED CAPACITY, UNDER 200	HOSPITAL BED CAPACITY, 100 TO 299
HOSPITAL BED CAPACITY, 200 TO 499	HOSPITAL BED CAPACITY, 300 TO 499
HYDROXYPHENAMATE	CRBAMATES

<u>Deleted Heading</u>	<u>Replaced-By Heading</u>
HYPERLIPEMIA, ESSENTIAL FAMILIAL	HYPERLIPIDEMIA/familial & genetic
IODOXANIC ACID	IODOBENZENES
IOPYDOL	IODOPYRIDONES
KREBIOZEN	QUACKERY
MACARBOMYCIN	ANTIBIOTICS
MANNITOL HEXANITRATE	MANNITOL/analogs & derivatives
MEBUTAMATE	CARBAMATES
MEPRYLCAINE	BENZOATES
MERALLURIDE	DIURETICS, MERCURIAL
MERCAPTOMERIN	DIURETICS, MERCURIAL
MERCUMATILIN	DIURETICS, MERCURIAL
MERCUROPHYLLINE	DIURETICS, MERCURIAL
METABUTETHAMINE	AMINOBENZOIC ACIDS
METABUTOXYCAINE	AMINOBENZOIC ACIDS
METHDILAZINE	PHENOTHIAZINES
METOPON	DIHYDROMORPHINONE/analogs & derivatives
METUREDEPA	AZIRINES
MODALINE	PYRAZINES
MORPHAZINAMIDE	PYRAZINES
NIFURSOL	NITROFURANS
PASSIVE TRANSFER	IMMUNIZATION, PASSIVE
PHENAGLYCODOL	BUTANEDIOLS
PHENYLSEMICARBAZIDE	SEMICARBAZIDES
PROTHIPENDYL	THIAZINES
QUINDONIUM BROMIDE	QUINOLIZINES

<u>Deleted Heading</u>	<u>Replaced-By Heading</u>
QUINETHAZONE	SULFONAMIDES
SARKOMYCIN	ANTIBIOTICS, ANTINEOPLASTIC
SILOMAT	AMINO ALCOHOLS
SIOMYCINS	ANTIBIOTICS, ANTINEOPLASTIC
SODIUM PSYLLIATE	FATTY ACIDS
STYRAMATE	CARBAMATES
SULFAPROXYLINE	SULFANILAMIDES
SULFASOMIZOLE	SULFANILAMIDES
THEVETIN	CARDIAC GLYCOSIDES
THIHEXINOL	THIOPHENES
THONZONIUM	AMMONIUM COMPOUNDS
TOLYL PERI ACID	NAPHTHALENESULFONATES
TOMOGRAPHY, COMPUTERIZED AXIAL	TOMOGRAPHY, X-RAY COMPUTED
TOTAQUINE	CINCHONA ALKALOIDS
TRICLOBISONIUM COMPOUNDS	AMMONIUM COMPOUNDS
VALETHAMATE COMPOUNDS	AMMONIUM COMPOUNDS

NEW DESCRIPTORS IN 1980 MESH

For 1980 there are 196 major descriptors and 170 minor descriptors that are completely new to MeSH since the 1979 edition, including FERTILIZATION IN VITRO, added as a major descriptor during 1979. They are given here in two lists:

- 1) An alphabetic list of descriptors with their tree numbers, scope notes, annotations, history notes, online notes, mappings ("see under" cross references) from minor descriptors to major descriptors (Index Medicus headings), entry terms ("see" cross references), and "see related" cross references.
- 2) A list of descriptors by MeSH Tree Structures subcategories.

In addition to the descriptors in these lists there are 74 major descriptors and 25 minor descriptors for 1980 that replace directly corresponding deleted descriptors. For example, HYPERLIPIDEMIA was HYPERLIPEMIA in 1979, but HYPERLIPEMIA may still be used for indexing and online searching of MEDLINE because it was made an entry term ("see" cross reference) to HYPERLIPIDEMIA, the descriptor under which citations will appear in Index Medicus for 1980. Also included are PATIENT EDUCATION replacing PATIENTS/education and THORACIC SURGERY replacing THORAX/surgery. In the 1980 Annotated Alphabetic MeSH these descriptors comprise the New Medical Subject Headings Replacing Deleted Headings list and are included in the Deleted Medical Subject Headings list, along with deleted descriptors that were not replaced by directly corresponding descriptors. In both lists deleted descriptors that are entry terms or may be used as MEDLINE search terms in place of their corresponding replaced-by descriptors are annotated as such.

MEDICAL SUBJECT HEADINGS

NEW DESCRIPTORS IN 1980 MESH

ABDOMINAL DECOMPRESSION see LOWER BODY NEGATIVE PRESSURE
E5 245 570

ABELSON LEUKEMIA VIRUS

B4 909 574 449 674 632 41 B4 909 777 449 674 632 41
B4 909 777 779 674 632 41

A defective murine leukemia virus capable of transforming lymphoid cells and producing a rapidly progressing lymphoid leukemia after superinfection with Friend, Moloney or Rauscher virus

do not use /blood-csf-urine /cytol, infection coord NIM with LEUKEMIA, EXPERIMENTAL (IM)

(80)

see under MOUSE LEUKEMIA VIRUSES

ACACIA GUM see GUM ARABIC

D9 203 698 380 D26 698 931 419 399

ACADEMIC MEDICAL CENTERS

N2 278 20

Medical complexes consisting of medical school, hospitals, clinics, libraries, administrative facilities, etc

only /class /econ /hist /legis /man /organ /stand /supply /trends /util, specify geog CATALOG /geog /form

80, was see HOSPITALS, UNIVERSITY 1979

search HOSPITALS, UNIVERSITY 1979

X MEDICAL CENTERS, ACADEMIC
X MEDICAL CENTERS, UNIVERSITY
X UNIVERSITY MEDICAL CENTERS

ACETYLPROCAINAMIDE

D2 241 223 106 61 75 40 D18 97 622 24

4-(Acetylamino)- N-(2-(diethylamino)ethyl)benzamide Major metabolite of procainamide its anti-arrhythmic action may cause cardiac toxicity in kidney failure

do not use /biosyn /defic /physiol

(80)

see under PROCAINAMIDE

ACOUSTICS, SPEECH see SPEECH ACOUSTICS

G11 561 854 650

ACRIDINAMINE see AMINACRINE

D3 494 46 250 200 D20 187 60
D26 408 348 60

ACTH SYNDROME, ECTOPIC

C4 730 713 317 C19 576 317

Symptom complex due to ACTH production by non-pituitary neoplasms

(80)

see under NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

X ECTOPIC ACTH SYNDROME

ACTIVATED COAGULATION TIME, WHOLE BLOOD see WHOLE BLOOD COAGULATION TIME

E1 223 459 153 950

ACTIVATED PARTIAL THROMBOPLASTIN TIME see PARTIAL THROMBOPLASTIN TIME

E1 223 459 153 580

ADENOSINE DIPHOSPHATE RIBOSE

D9 203 408 620 569 70 125 D13 695 667 138 124 70 125
D13 695 827 68 124 70 125 D13 695 827 708 70 125

Adenosine 5'-(trihydrogen diphosphate),5'-5-ester with D-ribose An ester formed between the aldehydic carbon of ribose and the terminal phosphate of adenosine diphosphate Serves as a ribose carrier

/analogs NIM only

(80)

see under NUCLEOSIDE DIPHOSPHATE SUGARS

X ADENOSINE DIPHOSPHORIBOSE

X ADP RIBOSE

ADENOSINE DIPHOSPHORIBOSE see ADENOSINE DIPHOSPHATE RIBOSE

D9 203 408 620 569 70 125 D13 695 667 138 124 70 125
D13 695 827 68 124 70 125 D13 695 827 708 70 125

ADENOSIS OF BREAST see FIBROCYSTIC DISEASE OF BREAST

C4 182 289 C19 146 378

ADOLESCENT MEDICINE

G2 403 28

A branch of medicine pertaining to the diagnosis and treatment of diseases occurring during the period beginning with puberty until the cessation of somatic growth

SPEC, SPEC qualif, when permitted for 'adolescent dis' Manual 28 9, relation to ADOLESCENCE Manual 34 13

80

ADP RIBOSE see ADENOSINE DIPHOSPHATE RIBOSE

D9 203 408 620 569 70 125 D13 695 667 138 124 70 125
D13 695 827 68 124 70 125 D13 695 827 708 70 125

AEROSPACE MEDICINE

G2 403 790 548 80

A specialty which is concerned with the health and medical problems of man in aviation (aviation medicine) and space (space medicine)

SPEC, SPEC qualif except /methods, med, physiol or psychol aspects of aviation go here Manual 28 10, SPACE MEDICINE as a specialty goes here but med, physiol or psychol aspects of space flight go under SPACE FLIGHT CATALOG /geog /form

80, was see SPACE FLIGHT 1975-79, AVIATION MEDICINE was heading 1963-79, AVIATION DENTISTRY was heading 1965-79

search SPACE FLIGHT 1975-79, use AEROSPACE MEDICINE to search AVIATION MEDICINE back thru 1966, use AEROSPACE MEDICINE + DENTISTRY to search AVIATION DENTISTRY 1966-79

X AVIATION MEDICINE

X SPACE MEDICINE

ALLERGEN BRONCHIAL PROVOCATION TESTS see BRONCHIAL PROVOCATION TESTS

E1 302 796 170

ALLYLGLYCINE

D2 455 326 271 122 260 D12 125 481 100
D15 128 224 52

2-Amino-4-pentenoic acid A glutamate decarboxylase and GABA inhibitor, has convulsant activity

do not use /biosyn /defic /physiol

(80)

see under GLYCINE

ALPHA 2-PLASMIN INHIBITOR see ANTIPLASMIN

D8 373 745 100 D12 776 124 790 106 118
 D12 776 377 715 85 118 D19 461 270 463 91 280

ALPHA-TOXIN see PHOSPHOLIPASE C

D8 586 277 352 100 680 700

ALUFIBRATE see CLOFIBRIC ACID

D2 241 81 161 325 200 D2 241 81 465 240 230 200
 D10 162 202 228 200

ALVEOLAR RIDGE AUGMENTATION

E4 833 800 100 E6 892 800 100

Preprosthetic surgery involving rib, cartilage, or iliac crest bone grafts, usually autologous, or synthetic implants for rebuilding the alveolar ridge

do not use /util except by MeSH definition

(80)

see under SURGERY, ORAL, PREPROSTHETIC

X MANDIBULAR RIDGE AUGMENTATION
 X MAXILLARY RIDGE AUGMENTATION

AMBULATORY SURGERY

E4 30

Surgery performed on an outpatient basis. May be hospital based or performed in an office or surgicenter

outpatient surg performed in MD's office, surgicenter or hosp, only /econ /legis /methods /psychol /stand /trends /util (if by MeSH definition)

80

X OFFICE SURGERY
 X OUTPATIENT SURGERY
 X SURGERY, OFFICE
 X SURGERY, OUTPATIENT

AMINACRINE

D3 494 46 250 200 D20 187 60
 D26 408 348 60

9 Acridinamine. Highly fluorescent anti-infective dye, used clinically as topical antiseptic and experimentally as mutagen, due to its interaction with DNA, also used as intracellular pH indicator. Synonyms: Acramidine, Acriflex, Acrisan, Cimlac, Flavacrin, Monacrin

do not use /biosyn /defic /physiol /analogs NIM only

(80)

see under AMINOACRIDINES

X ACRIDINAMINE
 X 9-AMINOACRIDINE

AMINO ACID DECARBOXYLASES, AROMATIC see AROMATIC AMINO ACID DECARBOXYLASES

D8 586 520 258 90

9-AMINOACRIDINE see AMINACRINE

D3 494 46 250 200 D20 187 60
 D26 408 348 60

AMINOACRIDINES

D3 494 46 250

Acridines which are substituted in any position by one or more amino groups or substituted amino groups

do not use /analogs /biosyn /defic /physiol, = acridinamines or acridinylamines

80

XU AMINACRINE

AMINOANTIPYRINE see AMPYRONE

D3 383 694 65 60 D14 73 278 152 200
 D26 74 204 200 D26 550 27

AMPHOLINES see AMPHOLYTE MIXTURES

D26 172 45

AMPHOLYTE MIXTURES

D26 172 45

Such mixtures of amphoteric electrolytes or buffers that provide a continuous range of pH in an electric field, used for separating proteins by their isoelectric points, i.e., by isoelectric focusing

D25-26 qualif

(80)

see under BUFFERS

X AMPHOLINES
 X CARRIER AMPHOLYTES
 X ISOELECTRIC FOCUSING AGENTS

AMPYRONE

D3 383 694 65 60 D14 73 278 152 200
 D26 74 204 200 D26 550 27

4-Amino-1,5-dimethyl-2-phenyl-3H-pyrazol-one. Metabolite of aminopyrine with analgesic and anti-inflammatory properties, used as reagent for biochemical reactions producing peroxides or phenols, stimulates liver microsomes, also used to measure extracellular water. Synonyms: aminoazophene, 4-aminophenazone, Metapirazone, Solvapyrin A

do not use /biosyn /defic /physiol

(80)

see under ANTIPYRINE

X AMINOANTIPYRINE

ANDROGEN BINDING PROTEIN

D6 472 866 900 75 D12 776 157 65

A carrier protein produced in the Sertoli cells of the testis, secreted into the seminiferous tubules and transported via the efferent ducts to the epididymis. Its biosynthesis is under the control of gonadotropins and androgens and it participates in the transport of androgens

/biosyn /physiol permitted, /analogs NIM only

(80)

see under CARRIER PROTEINS

ANDROSTANOLS

D4 808 54 40

Androstanes and androstane derivatives which are substituted in any position with one or more hydroxyl groups

do not use /analogs /biosyn /defic /physiol, do not confuse with

ANDROSTENOLS

80

X HYDROXYANDROSTANES

XU 5-ANDROSTANE-3,17-DIOL

ANEMIA, DYSERYTHROPOIETIC, CONGENITAL

C15 378 71 141 280 97

A familial disorder characterized by anemia with multinuclear erythroblasts, karyorrhexis, asynchrony of nuclear and cytoplasmic maturation, and various nuclear abnormalities of bone marrow erythrocyte precursors

do not use /congen

(80)

note term over 30 characters

see under ANEMIA, HEMOLYTIC, CONGENITAL

X DYSERYTHROPOIETIC ANEMIA, CONGENITAL

ANGIOGENESIS see NEOVASCULARIZATION

G7 553 702 G9 330 850

ANNUAL IMPLEMENTATION PLANS

N3 349 650 480 80

Required annual statements to be prepared by the Health Systems Agencies, established under PL93-641, specifying and describing how to implement and giving priority to objectives to achieve the goals of the Health Systems Plan only /econ /legis /organ /stand /trends /util, Public Law 93-641, specify geog & add UNITED STATES also

(80)

see under STATE HEALTH PLANS

ANOMIA

C10 597 531 114 189 C10 597 843 164 66
 C23 888 592 531 114 189 C23 888 592 852 164 66
 F3 126 557 289 200 F3 126 867 122 80

Inability to name objects, although they are subjectively perceived. Also known as nominal aphasia

do not use /drug eff /physiol /rad eff, do not confuse with ANOMIE below ('state of social disorganization & demoralization in society', often called 'anomia'), also called 'nominal aphasia'

(80), was see APHASIA 1975-79

search APHASIA 1975-79

see under APHASIA

X APHASIA, AMNESIC
 X APHASIA, ANOMIC

ANTIBODY-COATED BACTERIA TEST, URINARY

E1 223 50 E1 341 50

E5 478 348 50

Fluorescent antibody technic for visualizing antibody-bacteria complexes in urine. Presence or absence of antibody-coated bacteria in urine correlates with localization of urinary tract infection in the kidney or bladder, respectively only /instrum, DF ACBU

(80)

see under FLUORESCENT ANTIBODY TECHNIC

ANTIBODY DIVERSITY

G4 610 51 G4 610 626 51
G5 511 51

The phenomenon of immense variability characteristic of antibodies, which enables the immune system to react specifically against the essentially unlimited kinds of antigens it encounters. Antibody diversity is accounted for by three main theories: 1) the Germ Line Theory, which holds that each antibody-producing cell has genes coding for all possible antibody specificities, but expresses only the one stimulated by antigen; 2) the Somatic Mutation Theory, which holds that antibody-producing cells contain only a few genes, which produce antibody diversity by mutation; and 3) the Gene Rearrangement Theory, which holds that antibody diversity is generated by the rearrangement of variable region gene segments during the differentiation of the antibody-producing cells.

no qualif, for theories see MeSH definition

80

X GERM LINE THEORY

ANTIGEN BRONCHIAL PROVOCATION TESTS see BRONCHIAL PROVOCATION TESTS

E1 302 796 170

ANTIGEN RECEPTORS see RECEPTORS, ANTIGEN

D24 611 834 816 G4 610 834 816
G6 184 154 834 816

ANTIGEN RECEPTORS, B-CELL see RECEPTORS, ANTIGEN, B-CELL

D24 611 834 816 821 G4 610 834 816 821
G6 184 154 834 816 821

ANTIGEN RECEPTORS, T-CELL see RECEPTORS, ANTIGEN, T-CELL

D24 611 834 816 824 G4 610 834 816 824
G6 184 154 834 816 824

ANTIPAIN

D8 373 745 95 D12 644 456 120

N(2)-(((1-Carboxy-2-phenylethyl)amino)carbonyl)-L-arginyl-N-(4-(aminomethyl)amino)-1-formylbutyl)-L-valnamide. An oligopeptide produced by various bacteria which acts as a protease inhibitor. Nothing to do with pain: a bacterial protease inhibitor, do not use /defic /physiol, /analogs NIM only.

(80)

see under OLIGOPEPTIDES

ANTIPLASMIN

D8 373 745 100 D12 776 124 790 106 118
D12 776 377 715 85 118 D19 461 270 463 91 280

A proteinase inhibitor in human plasma which inhibits efficiently the lysis of fibrin clots induced by plasminogen activator. It is a glycoprotein, molecular weight approximately 70,000 which migrates in the alpha 2 region in immunoelectrophoresis. It is the principle plasmin inactivator in blood, rapidly forming a very stable complex with plasmin.

a specific proteinase inhibitor do not confuse with ANTIPLASMINS see ANTIFIBRINOLYTIC AGENTS, do not use /analogs /antag /blood

80

X ALPHA 2-PLASMIN INHIBITOR

AORTITIS

C14 907 109 320 C14 907 940 80

Inflammation of the wall of the aorta

80

APHASIA, ACQUIRED

F3 126 557 289 205 F3 126 867 122 90

Aphasia resulting from a brain disease or injury from brain dis or inj, do not use /drug eff /physiol /rad eff

(80)

see under APHASIA

APHASIA, AMNESIC see ANOMIA

C10 597 531 114 189 C10 597 843 164 66
C23 888 592 531 114 189 C23 888 592 852 164 66
F3 126 557 289 200 F3 126 867 122 80

APHASIA, ANOMIC see ANOMIA

C10 597 531 114 189 C10 597 843 164 66
C23 888 592 531 114 189 C23 888 592 852 164 66
F3 126 557 289 200 F3 126 867 122 80

APHASIA, BROCA

C10 597 531 114 192 C10 597 843 164 80
C23 888 592 531 114 192 C23 888 592 852 164 80
F3 126 557 289 210 F3 126 867 122 100

Loss of ability of expression by written, spoken, manual and tactile speech symbols caused by damage in the motor cortex of the cortical association area for motor control of speech.

do not use /drug eff /physiol /rad eff, subject understands language but cannot express it, note APHASIA, WERNICKE below

(80)

see under APHASIA
X APHASIA, EXPRESSIVE
X APHASIA, MOTOR
X APHASIA, NONFLUENT

APHASIA, CHILDHOOD

F3 126 557 289 240 F3 126 867 122 115

Failure to develop or extreme difficulty in using language and speech, in the absence of mental retardation, deafness or primary emotional disturbance. The main types are congenital, developmental and idiopathic acquired.

GEN or unspecified aphasia only, for specific (Broca's, acquired, etc) index only under the specific with CHILD tags, do not use /drug eff /physiol /rad eff, don't forget CHILD tags

(80)

see under APHASIA

APHASIA, EXPRESSIVE see APHASIA, BROCA

C10 597 531 114 192 C10 597 843 164 80
C23 888 592 531 114 192 C23 888 592 852 164 80
F3 126 557 289 210 F3 126 867 122 100

APHASIA, FLUENT see APHASIA, WERNICKE

C10 597 531 114 197 C10 597 843 164 90
C23 888 592 531 114 197 C23 888 592 852 164 90
F3 126 557 289 280 F3 126 867 122 135

APHASIA, MOTOR see APHASIA, BROCA

C10 597 531 114 192 C10 597 843 164 80
C23 888 592 531 114 192 C23 888 592 852 164 80
F3 126 557 289 210 F3 126 867 122 100

APHASIA, NONFLUENT see APHASIA, BROCA

C10 597 531 114 192 C10 597 843 164 80
C23 888 592 531 114 192 C23 888 592 852 164 80
F3 126 557 289 210 F3 126 867 122 100

APHASIA, RECEPTIVE see APHASIA, WERNICKE

C10 597 531 114 197 C10 597 843 164 90
C23 888 592 531 114 197 C23 888 592 852 164 90
F3 126 557 289 280 F3 126 867 122 135

APHASIA, SENSORY see APHASIA, WERNICKE

C10 597 531 114 197 C10 597 843 164 90
C23 888 592 531 114 197 C23 888 592 852 164 90
F3 126 557 289 280 F3 126 867 122 135

APHASIA, WERNICKE

C10 597 531 114 197 C10 597 843 164 90
C23 888 592 531 114 197 C23 888 592 852 164 90
F3 126 557 289 280 F3 126 867 122 135

Difficulty in comprehension of written, spoken, manual and tactile speech symbols caused by damage of the temporoparietal cortex containing the sensory center for speech reception.

do not use /drug eff /physiol /rad eff, subject does not understand language, note APHASIA, BROCA above

(80)

see under APHASIA
X APHASIA, FLUENT
X APHASIA, RECEPTIVE
X APHASIA, SENSORY

APNEA, CENTRAL see SLEEP APNEA SYNDROMES

C8 618 85 852

APNEA, OBSTRUCTIVE see SLEEP APNEA SYNDROMES

C8 618 85 852

APNEA, SLEEP see SLEEP APNEA SYNDROMES

C8 618 85 852

APPROPRIATENESS REVIEW (HEALTH CARE)

N3 349 650 50

A periodic review by each Health Systems Agency of all institutional health services offered in its health service area, established under PL93-641, and the making of recommendations to the State Health Planning and Development Agency pertaining to the appropriateness of the service in that area only /econ /hst /legis /stand /trends, Public Law 93-641, specify geog & add UNITED STATES also, DF APPROPRIATENESS REVIEW

(80)

see under REGIONAL HEALTH PLANNING

ARBAPROSTIL

D2 241 81 436 687 700 30 D10 516 251 355 708 700 30
D19 316 203 69 D24 185 798 575 750 600 69

11 alpha-15(R or S)-Dihydroxy-15-methyl-9-oxo- prosta-5,13-dien-1-oi-
acid or methyl ester This synthetic prostaglandin E analog or its methyl ester
protects the gastric mucosa, prevents ulceration and promotes healing of peptic
ulcers The protective effect is independent of acid inhibition The compounds
are also potent inhibitors of pancreatic function and inhibit the growth of
experimental tumors Synonym U 42842

do not use /biosyn /defic /physiol, /analogs NIM only
(80)

see under PROSTAGLANDINS E, SYNTHETIC

X METHYLDINOPROSTONE
X 15-METHYLPROSTAGLANDIN E2
X 15-METHYLPROSTAGLANDIN E2 METHYL ESTER

ARCHENTERON see GASTRULA

A16 254 412

AROMATIC AMINO ACID DECARBOXYLASES

D8 586 520 258 90

Aromatic-L-amino acid carboxy-lyases An enzyme group with broad
specificity Decarboxylates a range of aromatic amino acids including dopa,
tryptophan and hydroxytryptophan EC 4 1 1 28

do not use /analogs, DF AAAD

80

note term over 30 characters

X AMINO ACID DECARBOXYLASES, AROMATIC
XU DOPA DECARBOXYLASE

ARSENAZO III

D2 172 40 D2 691 88 44
D26 408 82 D26 550 35

2,7-Bis-(arsonophenylazo)- 1,8-dihydroxynaphthalene-3,6-disulfonic acid
Metalochrome indicator that changes color when complexed to the calcium
ion under physiological conditions, used to measure local calcium ion
concentrations in vivo

do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under AZO COMPOUNDS

ARTHROPLASTY, REPLACEMENT, HIP see HIP PROSTHESIS

E4 557 168 530 490 E4 659 550 490
E7 858 442 499 490 E7 858 565 600 490

ARTHROPLASTY, REPLACEMENT, KNEE see KNEE PROSTHESIS

E4 557 168 530 540 E4 659 550 540
E7 858 442 499 540 E7 858 565 600 540

ARYLAMINE ACETYLASES see ARYLAMINE ACETYLTRANSFERASES

D8 586 913 50 134 80

ARYLAMINE ACETYLTRANSFERASES

D8 586 913 50 134 80

Acetyl-CoA arylamine N-acetyltransferase Enzymes which catalyze the
transfer of acetyl groups from acetyl-CoA to arylamines Has wide specificity
for aromatic amines, particularly serotonin Can also catalyze acetyl transfer
between arylamines without CoA EC 2 3 1 5

do not use /analogs

(80)

see under ACETYLTRANSFERASES

X ARYLAMINE ACETYLASES
X SEROTONIN ACETYLTRANSFERASE

ARYTENOID CARTILAGE

A2 165 507 83 A4 329 591 85

One of a pair of small pyramidal cartilages that articulate with the lamina of
the cricoid cartilage The corresponding vocal ligament and several muscles
are attached to it

(80)

see under LARYNGEAL CARTILAGES

ASPA CEMENT see GLASS IONOMER CEMENTS

D25 339 291 402

ASSERTIVENESS

F1 145 40

Strongly insistent, self-assured, and demanding behavior
no qualif, assertiveness training coord IM with BEHAVIOR THERAPY (IM)
80

ATP-GUANOSINE PHOSPHATE PYROPHOSPHOTRANSFERASE

D8 586 913 696 729 75

Catalyzes reversibly the transfer of a pyrophosphate group from ATP to the
3'-OH group of GDP or GTP with the formation of guanosine 3'-diphosphate
5'-diphosphate or guanosine 3'-diphosphate 5'-triphosphate and AMP The
enzyme, also called stringent factor, is located in the r1A gene in stringent
strains of bacteria The above synthesis is induced by mRNA and uncharged
tRNA which is bound to the aminoacyl-t-RNA binding site of the ribosome
by a codon-specific association EC 2 7 6 -

do not use /analogs

(80)

note term over 30 characters

see under PHOSPHOTRANSFERASES, ATP
X STRINGENT FACTOR

ATTACHMENT SITES (MICROBIOLOGY)

G4 185 515 591 68 G5 386 521 68

Particular loci in both bacterial and phage DNA molecules at which phage
DNA is integrated into the bacterial DNA by recombination between these
sites

only /drug eff /rad eff, DF ATT SITES

(80)

see under LYSOGENY

AUDIOMETRY, BEKESY see AUDIOMETRY, PURE-TONE

E1 276 299 375 297 92

AUDIOMETRY, ELECTROENCEPHALIC RESPONSE see AUDIOMETRY, EVOKED RESPONSE

E1 276 299 375 297 45

AUDIOMETRY, EVOKED RESPONSE

E1 276 299 375 297 45

A form of electrophysiologic audiometry in which an analog computer is
included in the circuit to average out ongoing or spontaneous brain wave
activity A characteristic pattern of response to a sound stimulus may then
become evident Also known as electric response audiometry

do not use /util except by MeSH definition, also called 'electric response
audiometry'

(80)

see under AUDIOMETRY

X AUDIOMETRY, ELECTROENCEPHALIC RESPONSE
X EVOKED RESPONSE AUDIOMETRY

AUDIOMETRY, PURE-TONE

E1 276 299 375 297 92

Measurement of hearing based on the use of pure tones of various frequencies
and intensities as auditory stimuli

do not use /util except by MeSH definition, note X ref spell in titles & transl
with accents Bekésy

(80)

see under AUDIOMETRY

X AUDIOMETRY, BEKESY

AUDIOMETRY, SPEECH

E1 276 299 375 297 105

Measurement of the ability to hear speech under various conditions of intensity
and noise interference using sound-field as well as earphones and bone
oscillators

80

AUDITORY DISEASES, CENTRAL

C9 218 807 186 C10 228 140 68

Diseases of the auditory pathways from the bulbar cochlear nuclei to the
auditory cortex in the temporal lobe Structures involved include the medial
and lateral lemnisci, inferior colliculus, and the medial geniculate nucleus
dis of auditory nerve pathways, coord IM with site (NIM)

80

XR AUDITORY CORTEX
XR AUDITORY PATHWAYS

AUDITORY EVOKED POTENTIALS see EVOKED POTENTIALS, AUDITORY

G7 453 697 100 300 369 G11 561 450 100 300.369

AUDITORY FATIGUE

F2 463 593 71 173 95

Loss of sensitivity to sounds as a result of auditory stimulation, manifesting
as a temporary shift in auditory threshold The temporary threshold shift, TTS,
is expressed in decibels

only /drug eff /physiol /rad eff

80

X TEMPORARY THRESHOLD SHIFT, AUDITORY

AUDITORY LOCALIZATION see SOUND LOCALIZATION
F2 463 593 71 869

AUDITORY PERCEPTUAL DISORDERS

C9 218 807 186 94 C10 228 140 68 94
F3 126 185 794 151

Disorders of auditory perception manifesting as difficulties with auditory memory, speech perception and sound localization Lesions are usually in the temporal lobe

do not use /drug eff /physiol /rad eff
(80)

see under PERCEPTUAL DISORDERS

AUDITORY PROSTHESIS

E4 659 97 E4 847 774 97
E7 296 319 97 E7 814 458 97
E7 858 565 97

An electronic device implanted beneath the skin with electrodes to the cochlear nerve to create sound sensation in persons with sensorineural deafness

do not use /util except by MeSH definition, a subcutaneous electronic implant do not confuse with French 'prothese auditive' translated as 'hearing aid' & indexed under HEARING AIDS

80

X COCHLEAR IMPLANT

AVIATION MEDICINE see AEROSPACE MEDICINE

G2 403 790 548 80

AZOLINIC ACID see CINOXACIN

D3 383 710 605 150 D20 237 161

BACTERIAL PILI see PILI, BACTERIAL

A11 368 702 679 G4 185 515 679
G5 386 679

BACTERIOPHAGE LAMBDA see PHAGE LAMBDA

B4 123 205 545

BACTERIOPHAGE MU 1 see PHAGE MU 1

B4 123 205 610

BACTERIOPHAGE PHI X 174 see PHAGE PHI X 174

B4 123 205 690

BACTERIOPHAGES, RNA see RNA PHAGES

B4 123 691

BACTERIOPHAGES T see T-PHAGES

B4 123 205 891

BASAL CELL NEVUS SYNDROME

C4 182 89 530 690 150 C4 557 117 110 150
C5 500 470 690 150 C16 131 77 130

Hereditary disorder consisting of multiple basal cell carcinomas, odontogenic keratocysts, and multiple skeletal defects, e.g., frontal and temporoparietal bossing, bifurcated and splayed ribs, kyphoscoliosis, fusion of vertebrae, and cervicothoracic spina bifida Genetic transmission is autosomal dominant coord IM with precoord organ/neopl (IM or NIM) only if pertinent

(80)

see under CARCINOMA, BASAL CELL

X GORLIN SYNDROME

X NEVOID BASAL CELL CARCINOMA SYNDROME

BASE COMPOSITION

G6 184 124

The relative amounts of the complementary purines and pyrimidines in a nucleic acid, usually expressed in mole percent

IM general only, NIM with specific nucleic acid (IM), only /drug eff /rad eff, do not confuse with BASE SEQUENCE sequ = order in which arranged, comp = what components & how many

80

X BASE PAIRS

X BASE RATIO

BASE PAIRS see BASE COMPOSITION

G6 184 124

BASE RATIO see BASE COMPOSITION

G6 184 124

BASILAR ARTERY INSUFFICIENCY see VERTEBROBASILAR INSUFFICIENCY

C10 228 140 300 459 956 C14 907 253 956

BAY G 2821 see MUZOLIMINE

D3 383 694 550 D19 770 224 680

BETA-THROMBOGLOBULIN

D12 776 124 790 223 160 D12 776 377 715 182 160

A platelet-specific protein which is released when platelets aggregate Elevated plasma levels have been reported after deep venous thrombosis, pre-eclampsia, myocardial infarction with mural thrombosis and myeloproliferative disorders Measurement of beta-thromboglobulin in biological fluids by radioimmunoassay is used for the diagnosis and measurement of progress of thromboembolic disorders

/biosyn /physiol permitted, do not use /analogs /blood, DF BETA TG
(80)

see under BETA GLOBULINS

BIFUNCTIONAL REAGENTS see CROSS-LINKING REAGENTS

D26 550 155

BILAYERS, LIPID see LIPID BILAYERS

D10 516 570 510 H1 181 529 530 510

BILE DUCT DISEASES

C6 130 120

inflamm dis = CHOLANGITIS, calculi = CHOLELITHIASIS (IM) + BILE DUCT DISEASES (NIM) or specific bile duct (NIM)

80

BILE DUCT OBSTRUCTION, EXTRAHEPATIC

C6 130 120 150 C6 130 450 150

C23 888 498 250 150

Impairment of bile flow through the hepatic, cystic, or common bile ducts or Vater's ampulla Synonym surgical jaundice

coord IM with specific bile duct (IM) or specific precoord bile duct dis (IM)

80

X BILIARY STASIS, EXTRAHEPATIC

X CHOLESTASIS, EXTRAHEPATIC

X JAUNDICE, CHOLESTATIC, EXTRAHEPATIC

X JAUNDICE, OBSTRUCTIVE, EXTRAHEPATIC

BILE DUCT OBSTRUCTION, INTRAHEPATIC see CHOLESTASIS, INTRAHEPATIC

C6 130 450 250 C6 552 150

C23 888 498 250 250

BILIARY STASIS, EXTRAHEPATIC see BILE DUCT OBSTRUCTION, EXTRAHEPATIC

C6 130 120 150 C6 130 450 150

C23 888 498 250 150

BILIARY STASIS, INTRAHEPATIC see CHOLESTASIS, INTRAHEPATIC

C6 130 450 250 C6 552 150

C23 888 498 250 250

BILIARY TRACT HEMORRHAGE see HEMOBILIA

C6 130 650

C23 542 425

BILIARY TRACT NEOPLASMS

C4 588 274 120 C6 130 320

GEN prefer specifics, /anal /blood supply /secret /ultrastruct permitted, coord IM with histol type of neopl (IM)

80

BIOHAZARDS CONTAINMENT see CONTAINMENT OF BIOHAZARDS

E5 235

BIRTH INTERVALS

G8 520 769 50 N2 421 143 401 90

Interval between onset of sexual relations by a woman and the birth of her first child and intervals between successive births Includes use of family planning to control birth intervals

no qualif, may be used in physiol or family planning context

80

X BIRTH SPACING

X CHILD SPACING

BIRTH SPACING see BIRTH INTERVALS

G8 520 769 50 N2 421 143 401 90

BLASTOCYST TRANSFER see EMBRYO TRANSFER

E5 820 330

BLASTOCYTES see BLASTOMERES

A11 104

A16 254 90

BLASTOMERES

A11 104 A16 254 90

The undifferentiated cells formed by cleavage of the fertilized ovum. Includes cells in the cleavage, morula, and blastula stages of the embryo.

A 11 qualif, do not confuse X ref BLASTOCYTES with BLASTOCYST

80

X BLASTOCYTES

BLASTOPORE see GASTRULA

A16 254 412

BLEEDING TIME

E1 223 459 770 150

Duration of blood flow after skin puncture. Used as a measure of capillary and platelet function. Synonyms: aspirin tolerance test, Duke method, Ivy method, template bleeding time.

NIM, only /vet

(80)

see under PLATELET FUNCTION TESTS

BLOOD COAGULATION TIME, WHOLE see WHOLE BLOOD COAGULATION TIME

E1 223 459 153 950

BLOOD GROUPING AND CROSSMATCHING

E1 223 459 180

Testing erythrocytes to determine presence or absence of blood-group antigens, testing of serum to determine the presence or absence of antibodies to these antigens, and selecting biocompatible blood by crossmatching samples from the donor against samples from the recipient.

/only /hist /instrum /methods /vet, DF BLOOD GROUPING

80

X BLOOD TYPING

X CROSSMATCHING, BLOOD

XR IMMUNOLOGIC TECHNICS

BLOOD PLATELET COUNT see PLATELET COUNT

E1 223 459 107 700 E1 223 459 770 790

G7 380 107 740

BLOOD PLATELET NUMBER see PLATELET COUNT

E1 223 459 107 700 E1 223 459 770 790

G7 380 107 740

BLOOD TYPING see BLOOD GROUPING AND CROSSMATCHING

E1 223 459 180

BONE DISEASES, METABOLIC

C5 116 198

80, was NON MESH before 1980

BRACHYTHERAPY

E2 810 150

A collective term for interstitial, intracavity, and surface radiotherapy. Radiotherapy with small sealed or partly-sealed sources that may be placed on or near the body surface or within a natural body cavity or implanted directly into the tissues.

a type of radiother, only /adv eff /class /econ /hist /instrum /methods /psychol /stand /vet, curiotherapy goes here

80

X IMPLANT RADIOTHERAPY

X PLAQUE THERAPY, RADIOISOTOPE

X RADIOISOTOPE BRACHYTHERAPY

X RADIOTHERAPY, INTERSTITIAL

X RADIOTHERAPY, INTRACAVITY

X RADIOTHERAPY, SURFACE

BRAIN REVASCULARIZATION see CEREBRAL REVASCULARIZATION

E4 494 150 E4 752 814 300

BREAST DYSPLASIA see FIBROCYSTIC DISEASE OF BREAST

C4 182 289 C19 146 378

BROAD BETA DISEASE see HYPERLIPOPROTEINEMIA TYPE III

C18 452 648 556 481 485

BRONCHIAL PROVOCATION TESTS

E1 302 796 170

Tests involving inhalation of allergens, nebulized or in dust form, or nebulized pharmacologically active solutions (e.g., histamine, methacholine) or control solutions, followed by assessment of respiratory function. Used in diagnosis of asthma.

diag of asthma, only /instrum /methods, DF BP TESTS

80

X ALLERGEN BRONCHIAL PROVOCATION TESTS

X ANTIGEN BRONCHIAL PROVOCATION TESTS

X INHALATION PROVOCATION TESTS

X PROVOCATION TESTS, BRONCHIAL

CALCIUM-BINDING PROTEINS

D12 776 157 125

Proteins to which calcium ions are bound. They can act as transport proteins, regulator proteins or activator proteins.

/biosyn /physiol permitted, do not use /analogs

80

X CALCIUM TRANSPORT PROTEINS

XU CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT

XU CALCIUM-DEPENDENT REGULATOR

CALCIUM TRANSPORT PROTEINS see CALCIUM-BINDING PROTEINS

D12 776 157 125

CAPITAL FINANCING

N3 219 463 85

Institutional funding for facilities and for equipment which becomes a part of the assets of the institution.

do not use /man /supply /util (except by MeSH definition)

(80)

see under FINANCIAL MANAGEMENT

X FINANCING, CAPITAL

X FUNDING, CAPITAL

CAPTOPRIL

D8 373 745 270

D12 125 72 401 623 270

D18 162 135

D-3-Mercapto-2-methylpropanoyl-L-proline. An orally active inhibitor of angiotensin I-converting enzyme. Reduces elevated blood pressure by inhibiting the renin-angiotensin system, also inhibits pressure responses to exogenous angiotensin I.

do not use /biosyn /defic /physiol

(80)

see under PROLINE

X SQ 14225

CARBOHYDRATE CONFORMATION

G6 184 580 235

The characteristic 3-dimensional shape of a carbohydrate.

IM general only, coord NIM with specific carbohydrate (IM), only /drug eff /rad eff, do not confuse CARBOHYDRATE LINKAGE see

CARBOHYDRATE CONFORMATION with CARBOHYDRATE

SEQUENCE conform = spatial or 3-dimensional struct, sequ = order in which components are arranged

80

X CARBOHYDRATE LINKAGE

CARBOHYDRATE LINKAGE see CARBOHYDRATE CONFORMATION

G6 184 580 235

CARBOHYDRATE SEQUENCE

G6 184 235

The sequence of carbohydrates within polysaccharides, glycoproteins and glycolipids.

IM for general only, coord NIM with specific carbohydrate (IM), only /drug eff /rad eff, do not confuse with CARBOHYDRATE LINKAGE see

CARBOHYDRATE CONFORMATION sequ = order in which components are arranged, conform = spatial or 3-dimensional struct

80

CARBOPROST

D2 241 81 436 687 700 75 D7 131 100 200

D10 516 251 355 708 700 75 D24 185 798 575 750 800 75

9 alpha, 11 alpha, 15(R or S)-Trihydroxy-15-methylprosta-5Z,13E-dien-1-oiic acid. An abortifacient effective in both the first and second trimester of pregnancy. Synonyms: Prostin/M15, U 32921, U 36384, U 32921E.

do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under PROSTAGLANDINS F, SYNTHETIC

X METHYLDINOPROST

X 15-METHYLPROSTAGLANDIN F2ALPHA

X 15-METHYLPROSTAGLANDIN F2ALPHA METHYL ESTER

CARDIAC OUTPUT, LOW

C14 280 148

A state of subnormal or depressed cardiac output, usually seen in patients with heart failure secondary to coronary artery, hypertensive, primary myocardial, valvular or pericardial disease

note category do not confuse with CARDIAC OUTPUT, a physiologic concept above, also called 'low cardiac output syndrome' so do not add SYNDROME

80

X LOW CARDIAC OUTPUT

CARDIAC STIMULANTS see CARDIOTONIC AGENTS

D18 222

CARDIOTONIC AGENTS

D18 222

Agents that have a tonic effect on the heart or increase cardiac output, they may be glycosidic steroids related to Digitalis products, sympathomimetics, or other, used after myocardial infarcts, cardiac surgery, in shock or congestive heart failure

do not use /analogous /biosyn /defic /physiol

80

X CARDIAC STIMULANTS

X INOTROPIC AGENTS, POSITIVE CARDIAC

X MYOCARDIAL STIMULANTS

CARRIER AMPHOLYTES see AMPHOLYTE MIXTURES

D26 172 45

CAUDAL NUCLEUS, TRIGEMINAL see TRIGEMINAL CAUDAL NUCLEUS

A8 186 211 132 931 927

CEFACLOR

D20 85 195 186 155

3-Chloro-7-D-(2-phenylglycinamido)-3-cephem-4-carboxylic acid Semisynthetic broad spectrum, antibiotic derivative of cephalosporin proposed for oral use Synonyms Compound 99638, Lilly 99638

do not use /biosyn /defic /physiol

(80)

see under CEPHALEXIN

CEFUROXIME

D20 85 195 151

(6R,7R)-3-Carbamoyloxymethyl-7 [(2Z)-2-(2-furyl)-2-methoxyiminoacetamido]ceph-3-em-4-carboxylic acid Broad spectrum cephalosporin antibiotic resistant to beta-lactamase, proposed for infections with Gram negative and Gram positive organisms, gonorrhoea and haemophilus

do not use /biosyn /defic /physiol, /analogous NIM only

(80)

see under CEPHALOSPORINS

CELIAC GANGLIA see GANGLIA, SYMPATHETIC

A8 99 411

A8 99 893 477

A8 340 315 477

CENTERS FOR HEALTH PLANNING see HEALTH PLANNING ORGANIZATIONS

N3 540 452

CEPHALIN-KAOLIN COAGULATION TIME see PARTIAL THROMBOPLASTIN TIME

E1 223 459 153 580

CEREBRAL REVASCULARIZATION

E4 494 150

E4 752 814 300

Microsurgical revascularization to improve intracranial circulation Usually involves joining the extracranial circulation to the intracranial circulation but may include extracranial revascularization (e.g., subclavian-vertebral artery bypass, subclavian-external carotid artery bypass) Performed by joining two arteries (direct anastomosis or use of graft) or free autologous transplantation of highly vascularized tissue to the surface of the brain

do not use /util except by MeSH definition

80

X BRAIN REVASCULARIZATION

X EC-IC ARTERIAL BYPASS

X EXTRACRANIAL-INTRACRANIAL ARTERIAL BYPASS

X MICROSURGICAL REVASCULARIZATION, CEREBRAL

X STA-MCA BYPASS

CHEMOTACTIC FACTORS

D24 185 125

Chemical substances that attract or repel cells or organisms, especially those factors released as a result of tissue injury, invasion or immunologic activity, that attract leukocytes, macrophages or other cells to the site of infection or insult

/biosyn /physiol permitted, do not use /analogous

80

X CHEMOTAXINS

X CYTOTAXINOGENS

X CYTOTAXINS

XU CHEMOTACTIC FACTORS, EOSINOPHIL

XU CHEMOTACTIC FACTORS, MACROPHAGE

XR CHEMOTAXIS

CHEMOTACTIC FACTORS, EOSINOPHIL

D24 185 125 320

Cytotaxins liberated from normal or invading cells that specifically attract eosinophils, they may be complement fragments, lymphokines, neutrophil products, histamine or other, the best known is the tetrapeptide ECF-A, released mainly by mast cells

chemotactic substances attracting eosinophils, not liberated by eosinophils, /biosyn /physiol permitted, do not use /analogous, DF ECF A

(80)

note term over 30 characters

see under CHEMOTACTIC FACTORS

X EOSINOPHIL CHEMOTACTIC FACTORS

X EOSINOPHIL CHEMOTAXINS

CHEMOTACTIC FACTORS, MACROPHAGE

D24 185 125 585

Cytotaxins liberated from normal or invading cells that specifically attract macrophages, they may be lymphokines, products of antigen, antibody and complement interactions or other

chemotactic substances attracting macrophages, not liberated by macrophages, /biosyn /physiol permitted, do not use /analogous

(80)

note term over 30 characters

see under CHEMOTACTIC FACTORS

X MACROPHAGE CHEMOTACTIC FACTORS

X MACROPHAGE CHEMOTAXINS

CHEMOTAXINS see CHEMOTACTIC FACTORS

D24 185 125

CHILD SPACING see BIRTH INTERVALS

G8 520 769 50

N2 421 143 401 90

CHLORFENVINPHOS

D2 705 150

D5 723 491 574 130

2-Chloro-1-(2,4-dichlorophenyl)ethenyl diethyl phosphite An organophosphorus insecticide, has cholinesterase inhibitory action Synonyms C-8949, GC-4072, SD-7859, Burlane, chlorfenvinfos, chlorpheninfos, chlorpheninfos, Sapecron

do not use /biosyn /defic /physiol, /analogous NIM only

(80)

see under INSECTICIDES, ORGANOPHOSPHATE

CHOLESTASIS, EXTRAHEPATIC see BILE DUCT OBSTRUCTION, EXTRAHEPATIC

C6 130 120 150

C6 130 450 150

C23 888 498 250 150

CHOLESTASIS, INTRAHEPATIC

C6 130 450 250

C6 552 150

C23 888 498 250 250

Intrahepatic impairment of bile flow Usually due to liver cell damage, but may be due to obstruction of intrahepatic bile ducts Synonyms hepatocellular jaundice, medical jaundice

80

X BILE DUCT OBSTRUCTION, INTRAHEPATIC

X BILIARY STASIS, INTRAHEPATIC

X JAUNDICE, CHOLESTATIC, INTRAHEPATIC

X JAUNDICE, OBSTRUCTIVE, INTRAHEPATIC

CHROMOSOME MARKER see GENETIC MARKER

G5 735 450

CINOXACIN

D3 383 710 605 150

D20 237 161

1-Ethyl-1,4-dihydro-4-oxo(1,3)dioxolo(4,5-g)cinnoline-3-carboxylic acid Synthetic antimicrobial related to oxolinic and nalidixic acids, used in urinary tract infections Synonyms Cinobac, Compound 64716

do not use /biosyn /defic /physiol, /analogous NIM only

(80)

see under PYRIDAZINES

X AZOLINIC ACID

CLEAVAGE STAGE, OVUM

A16 254 270

The earliest stage of the embryo, lasting from the first mitotic division of the fertilized ovum into two blastomeres to the formation of the morula, a compact mass of blastomeres

note category, 'earliest stage of the embryo', A 11 qualif

80

X SEGMENTATION STAGE, OVUM

XU MORULA

CLINICAL PHARMACOLOGY see PHARMACOLOGY, CLINICAL

G1 703 152

CLINICAL TRIALS

E5 337 250

Pre-planned usually controlled studies of the safety, efficacy, or optimum dosage schedule (if appropriate) of one or more diagnostic, therapeutic, or prophylactic drugs or techniques in humans selected according to pre-determined criteria of eligibility and observed for pre-defined evidence of favorable and unfavorable effects

human only, IM GEN only, when IM, only /class /econ /instrum /methods /stand /trends /util (if by MeSH definition), NIM as coord for controlled studies meeting MeSH definition, when NIM, no qualif, Manual 18 12, 29 17

80, CLINICAL RESEARCH was check tag 1965-79

use CLINICAL TRIALS to search CLINICAL RESEARCH 1966-79

X CONTROLLED CLINICAL TRIALS

X DRUG EVALUATION, FDA PHASE III

CLOACIN

D20 85 133 190

D24 310 125 190

A bacteriocin produced by a plasmid that can occur in several bacterial strains, it is a basic protein of molecular weight 56,000 and exists in a complex with its immunity protein which protects the host bacterium from its effects

do not use /defic /physiol, /analogs NIM only

(80)

see under BACTERIOCINS

CLOFIBRIC ACID

D2 241 81 161 325 200

D2 241 81 465 240 230 200

D10 162 202 228 200

2-(4-Chlorophenoxy)-2-methylpropionic acid An antilipemic agent and the biologically active metabolite of clofibrate Include the salts and esters of clofibrinic acid except CLOFIBRATE

do not use /biosyn /defic /physiol

(80)

see under CLOFIBRATE

X ALUFIBRATE

X CLOFIBRINIC ACID

CLOFIBRINIC ACID see CLOFIBRIC ACID

D2 241 81 161 325 200

D2 241 81 465 240 230 200

D10 162 202 228 200

CLONING, MOLECULAR

E5 393 220

G5 331 120

The insertion of recombinant DNA molecules from prokaryotic and/or eukaryotic sources into a replicating vehicle, such as a plasmid or virus vector, and the introduction of the resultant hybrid molecules into recipient cells without altering the viability of those cells

only /drug eff /methods /rad eff, TN 237 differentiation from CLONE CELLS & nuclear cloning

80

X MOLECULAR CLONING

COAGULATION TIME, WHOLE BLOOD see WHOLE BLOOD

COAGULATION TIME

E1 223 459 153 950

COCHLEAR IMPLANT see AUDITORY PROSTHESIS

E4 659 97

E4 847 774 97

E7 296 319 97

E7 814 458 97

E7 858 565 97

COCHLEAR MICROPHONIC POTENTIALS

G7 453 697 100 300 369 223

G11 561 450 100 300 369 223

The electric response of the cochlear hair cells to acoustic stimulation

only /drug eff /rad eff

(80)

note term over 30 characters

see under EVOKED POTENTIALS, AUDITORY

COLD-INSOLUBLE GLOBULINS see FIBRONECTINS

D12 776 377 715 390

D12 776 395 350

D12 776 543 350

COLIPHAGE LAMBDA see PHAGE LAMBDA

B4 123 205 545

COLIPHAGE MU 1 see PHAGE MU 1

B4 123 205 610

COLIPHAGE PHI X 174 see PHAGE PHI X 174

B4 123 205 690

COLIPHAGES T see T-PHAGES

B4 123 205 891

COMMON BILE DUCT DISEASES

C6 130 120 250

Diseases of the common bile duct including Vater's ampulla and Oddi's sphincter

choledochal cysts or cystic dilatation of common bile duct see note on COMMON BILE DUCT

80

COMMON BILE DUCT NEOPLASMS

C4 588 274 120 250 250

C6 130 120 250 280

Neoplasms of the common bile duct including Vater's ampulla and Oddi's sphincter

/anal /blood supply /secret /ultrastruct permitted, coord IM with histol type of neopl (IM)

80

COMMUNICATION AIDS FOR HANDICAPPED

E7 796 250

Equipment that provides mentally or physicaly handicapped persons, who cannot speech effectively, with a means of communication The aids include display boards, typewriters, cathode ray tubes, computers and speech synthesizers The output of such aids includes written words, artificial speech, language signs, Morse code and pictures

only /class /econ /hist /stand /supply /trends /util (if by MeSH definition) (80)

note term over 30 characters

see under SELF-HELP DEVICES

X COMMUNICATION BOARDS

X SPEECH SYNTHESIZERS

COMMUNICATION BOARDS see COMMUNICATION AIDS FOR HANDICAPPED

E7 796 250

COMMUNICATION METHODS, TOTAL

E2 831 671 221

Utilization of all available receptive and expressive modes for the purpose of achieving communication with the hearing impaired, such as gestures, postures, facial expression, types of voice, formal speech and non-speech systems, and simultaneous communication

no qualif, restrict to commun with hearing-impaired, coord with specific hearing disord /rehabil

(80)

see under REHABILITATION

X TOTAL COMMUNICATION METHODS

COMPETENCE, IMMUNOLOGIC see IMMUNOCOMPETENCE

G4 610 612

COMPLEMENT RECEPTORS see RECEPTORS, COMPLEMENT

D24 611 834 833

G4 610 834 833

G6 184 154 834 833

COMPREHENSIVE HEALTH PLANS, LOCAL see HEALTH SYSTEMS PLANS

N3 349 650 480 310

COMPREHENSIVE HEALTH PLANS, STATE see STATE HEALTH PLANS

N3 349 650 480

COMPUTERIZED EMISSION TOMOGRAPHY see TOMOGRAPHY, EMISSION COMPUTED

E1 289 702 900

E1 927 650

CONNECTIVE TISSUE DISEASES

C23 205

A heterogenous group of disorders, some hereditary, others acquired, characterized by abnormal structure or function of one or more of the elements of connective tissue, i.e., collagen, elastin, or the mucopolysaccharides

GEN or unspecified prefer specifics, note & do not confuse with CONNECTIVE TISSUE DISEASE, MIXED above, a specific collagen disorder

80

CONSERVATION OF ENERGY RESOURCES

G3 230 80 78

Planned management, use and preservation of energy resources

only /econ /hist /methods /trends

(80)

note term over 30 characters

see under CONSERVATION OF NATURAL RESOURCES

X ENERGY RESOURCES CONSERVATION

CONTAINMENT OF BIOHAZARDS

E5 235

Provision of physical and biological barriers to the dissemination of potentially hazardous biologically active agents (bacteria, viruses, recombinant DNA, etc.) Physical containment involves the use of special equipment, facilities, and procedures to prevent the escape of the agent. Biological containment includes use of immune personnel and the selection of agents and hosts that will minimize the risk should the agent escape the containment facility.

only /econ /instrum /methods /stand /trends, for procedures, facilities, programs & equipment for containing hazardous biologic agents, do not use for radiation (= RADIATION PROTECTION), for recombinant DNA research use only by MeSH definition not for ethical, moral or religious aspects

80

X BIOHAZARDS CONTAINMENT

CONTROLLED CLINICAL TRIALS see CLINICAL TRIALS

E5 337 250

CONVERGENT STRABISMUS see ESOTROPIA

C11 841 352

COSMETICS, HAIR see HAIR PREPARATIONS

D26 313 300

J1 516 213 450

CREATINE KINASE ISOENZYMES

D8 586 348 200

D8 586 913 696 729 164 200

Three isoenzymes of creatine kinase have been identified in human tissues. MM from skeletal muscle, MB from myocardial tissue and BB from nervous tissue. Plasma from healthy humans contains MM almost exclusively. Elevated MB creatine kinase activity is a possible indicator of myocardial injury. EC 2.7.3.2

do not use /analogs, DF CK ISOENZYMES

80

CREDENTIALING

N3 706 110

The recognition of professional or technical competence through registration, certification, licensure, admission to association membership, the award of a diploma or degree, etc.

only /econ /hist /legis /methods /stand /trends /util

80, was NON MESH before 1980

CROSS-LINKING REAGENTS

D26 550 155

Reagents with two reactive groups, usually at opposite ends of the molecule, that are capable of reacting with and thereby forming bridges between side chains of amino acids in proteins, the locations of naturally reactive areas within proteins can thereby be identified, may also be used for other macromolecules, like glycoproteins, nucleic acids, or other

D25-26 qualif

80

X BIFUNCTIONAL REAGENTS

CROSSMATCHING, BLOOD see BLOOD GROUPING AND

CROSSMATCHING

E1 223 459 180

CYCLIC CMP see CYTIDINE CYCLIC MONOPHOSPHATE

D13 695 462 280

D13 695 740 246 125

D13 695 827 232 125

CYCLOAMYLOSE see CYCLODEXTRINS

D9 203 698 365 855 400 375

CYCLODEXTRINS

D9 203 698 365 855 400 375

A homologous group of cyclic glucans consisting of alpha-1,4 bound glucose units obtained by the action of cyclodextrin glucanotransferase on starch or similar substrates. The enzyme is produced by certain species of Bacillus. Cyclodextrins form inclusion complexes with a wide variety of substances produced by Bacillus species, do not use /analogs /defic /physiol

(80)

see under DEXTRINS

X CYCLOAMYLOSE

X CYCLOHEPTAAMYLOSE

CYCLOHEPTAAMYLOSE see CYCLODEXTRINS

D9 203 698 365 855 400 375

CYSTIC DISEASE OF BREAST see FIBROCYSTIC DISEASE OF BREAST

C4 182 289

C19 146 378

CYTIDINE CYCLIC MONOPHOSPHATE

D13 695 462 280

D13 695 740 246 125

D13 695 827 232 125

Cyclic cytidine monophosphates. Include both the 3',5' and 2',3'-isomers. The 3',5'-isomer is formed in mammalian tissue by the enzymatic conversion of cytidine triphosphate and may play a role in the bioregulation of proliferation of normal and malignant cells. The 2',3'-isomer is used as a substrate to assay ribonucleases.

/biosyn /physiol permitted, DF CYCL CMP

(80)

see under CYTOSINE NUCLEOTIDES

X CYCLIC CMP

X CYTIDINE CYCLIC-2',3'-MONOPHOSPHATE

X CYTIDINE CYCLIC-3',5'-MONOPHOSPHATE

CYTIDINE CYCLIC-2',3'-MONOPHOSPHATE see CYTIDINE CYCLIC MONOPHOSPHATE

D13 695 462 280

D13 695 740 246 125

D13 695 827 232 125

CYTIDINE CYCLIC-3',5'-MONOPHOSPHATE see CYTIDINE CYCLIC MONOPHOSPHATE

D13 695 462 280

D13 695 740 246 125

D13 695 827 232 125

CYTOCHROME C REDUCTASE see NADH DEHYDROGENASE

D8 586 682 608 191 475

CYTOTAXINOGENS see CHEMOTACTIC FACTORS

D24 185 125

CYTOTAXINS see CHEMOTACTIC FACTORS

D24 185 125

DANCE THERAPY

E2 831 230

F4 754 278

The use of dancing for therapeutic purposes

SPEC qualif

80

DANITRACEN

D3 383 621 170

D4 615 117 500

D23 846 251

9,10-Dihydro-10-(1-methyl-4-piperidylidene)-9-anthrol. Antagonist or inhibitor of serotonin, probably due to receptor blockade, proposed as antidepressant, used in the study of serotonergic mechanisms.

do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under PIPERIDINES

X WA 335

DATA COLLECTION

L1 382 440

Systematic gathering of data for a particular purpose from various sources including questionnaires, interviews, observation, existing records, and electronic devices. Usually preliminary to statistical analysis of the data.

only /econ /hist /instrum /man /methods /stand /trends

80

X SURVEY METHODS

XR HEALTH SURVEYS

XR MEDICAL HISTORY TAKING

DECISION THEORY

F4 669 880 308

H1 548 263

A theoretical technique utilizing a group of related constructs to describe or prescribe how individuals or groups of people choose a course of action when faced with several alternatives and a variable amount of knowledge about the determinants of the outcomes of those alternatives.

no qualif

80

XR OPERATIONS RESEARCH

DEPRESSION, ABDOMINAL see LOWER BODY NEGATIVE PRESSURE

E5 245 570

DELPHI TECHNIC

L1 382 440 800 310

An iterative questionnaire designed to measure consensus among individual responses.

to measure consensus, no qualif

(80)

see under QUESTIONNAIRES

DENTAL CARE FOR HANDICAPPED

E6 170 310 N2 421 196 308
Dental care for the emotionally, mentally, or physically handicapped and chronically ill patient
only /econ /methods /stand /trends CATALOG /geog /form
80
X DENTISTRY FOR HANDICAPPED
XR HANDICAPPED

DENTISTRY FOR HANDICAPPED see DENTAL CARE FOR HANDICAPPED

E6 170 310 N2 421 196 308

DENTURISTS

M1 526 485 67 105 550 N2 350 84 200 175 80
Dental auxiliaries who work with patients Their duties include taking impressions and bite registrations for preparing and repairing dentures and fitting dentures
dent auxiliaries working with patients requiring dentures (prep, repair, fitting), only /educ /psychol /stand /supply /util
(80), was see DENTAL AUXILIARIES 1979
search DENTAL AUXILIARIES 1979
see under DENTAL AUXILIARIES

DEOXYURSOCHOLIC ACID see URSODEOXYCHOLIC ACID

D4 808 221 430 342 925 D19 316 246 175 947

DICHOTIC LISTENING TESTS

E1 276 299 375 330
Tests for central hearing disorders based on the competing message technic (binaural separation)
NIM, only /instrum /methods /stand
(80)
see under HEARING TESTS

DIFFUSION OF INNOVATION

L1 143 320
The broad dissemination of new ideas, procedures, technics, materials and devices and the degree to which these are accepted and used
no qualif
(80)
see under COMMUNICATION
X INNOVATION DIFFUSION

DIFLUCORTOLONE

D4 808 745 432 719 320 250 D4 808 908 405 250
D6 597 481 364 325 250 D6 597 481 561 353 480 250
D26 74 148 447 335 268 D26 368 99 447 335 268
6-alpha,9-Difluoro-11-beta,21-dihydroxy-16-alpha- methylpregna
1,4-diene-3,20-dione Topical glucocorticoid used in various dermatoses, is absorbed through skin, bound to plasma albumin and may cause adrenal suppression, also used as the valerate Synonyms Nerisona, Nerisone, SH K 183 MB, HK 183 MB, Temetex
do not use /biosyn /defic /physiol
(80)
see under FLUCORTOLONE

DIFLUNISAL

D2 241 223 106 505 700 300 D2 241 511 390 700 300
D2 755 410 700 300 D14 73 278 861 288
D26 74 832 288
2',4'-Difluoro-4-hydroxy-3-biphenylcarboxylic acid Salicylate derivative and anti-inflammatory analgesic with actions and side effects similar to those of aspirin Synonyms Dolobid, MK 647
do not use /biosyn /defic /physiol, /analogs NIM only
(80)
see under SALICYLIC ACIDS

DIGESTIVE SYSTEM DISEASES

C6
GEN or unspecified, refers to all organs of digestive tract do not confuse with GASTROINTESTINAL DISEASES (stomach & intestines only)
80, was NON MESH before 1980

DIGESTIVE SYSTEM NEOPLASMS

C4 588 274 C6 240
GEN or unspecified, refers to all organs of digestive tract do not confuse with GASTROINTESTINAL NEOPLASMS (stomach & intestines only), /anal /blood supply /secret /ultrastruct permitted, coord IM with histol type of neopl (IM)
80, was NON MESH before 1980

DIHYDROALPRENOLOL

D2 33 329 624 58 200 D2 92 63 624 58 200
D16 848 215 106 276
1-((Methylethylamino)-3-(2 propylphenoxy)- 2-propanol Hydrogenated alprenolol derivatave where the extra hydrogens are usually tritiums, this radiolabeled form of alprenolol, a beta adrenergic blocker, is used to label the beta adrenergic receptor for isolation and study
do not use /biosyn /defic /physiol
(80)
see under ALPRENOLOL

DIHYDROXYPROPYLTHEOPHYLLINE see DYPHYLLINE

D3 438 759 758 824 751 250 D16 116 919 299
D18 918 882 299

DIMETHYLDINOPROSTONE see 16,16-DIMETHYLPROSTAGLANDIN E2

D2 241 81 436 687 700 150 D10 516 251 355 708 700 150
D19 316 203 275 D24 185 798 575 750 600 275

17,17-DIMETHYL-19-NORTESTOSTERONE see MIBOLERONE

D4 808 365 415 638 500 D6 597 100 194 590 500

16,16-DIMETHYLPROSTAGLANDIN E2

D2 241 81 436 687 700 150 D10 516 251 355 708 700 150
D19 316 203 275 D24 185 798 575 750 600 275
11 alpha-15(R or S)-Dihydroxy-16,16-dimethyl-9-oxo prosta 5Z,13E-dien-1-oic acid or methyl ester This synthetic prostaglandin E analog or its methyl ester protects the gastric mucosa, prevents ulceration and promotes the healing of peptic ulcers The protective effect is independent of acid inhibition The compounds are also potent inhibitors of pancreatic function and inhibit the growth of experimental tumors
do not use /biosyn /defic /physiol, /analogs NIM only DF
DIMETHYLPGE2
(80)
see under PROSTAGLANDINS E, SYNTHETIC
X DIMETHYLDINOPROSTONE
X 16,16-DIMETHYLPROSTAGLANDIN E2 METHYL ESTER

16,16-DIMETHYLPROSTAGLANDIN E2 METHYL ESTER see 16,16-DIMETHYLPROSTAGLANDIN E2

D2 241 81 436 687 700 150 D10 516 251 355 708 700 150
D19 316 203 275 D24 185 798 575 750 600 275

DIPEPTIDYL AMINOPEPTIDASE II see DIPEPTIDYL PEPTIDASES

D8 586 277 656 732 240

DIPEPTIDYL AMINOPEPTIDASE III see DIPEPTIDYL PEPTIDASES

D8 586 277 656 732 240

DIPEPTIDYL AMINOPEPTIDASE IV see DIPEPTIDYL PEPTIDASES

D8 586 277 656 732 240

DIPEPTIDYL AMINOPEPTIDASES see DIPEPTIDYL PEPTIDASES

D8 586 277 656 732 240

DIPEPTIDYL PEPTIDASE II see DIPEPTIDYL PEPTIDASES

D8 586 277 656 732 240

DIPEPTIDYL PEPTIDASE III see DIPEPTIDYL PEPTIDASES

D8 586 277 656 732 240

DIPEPTIDYL PEPTIDASE IV see DIPEPTIDYL PEPTIDASES

D8 586 277 656 732 240

DIPEPTIDYL PEPTIDASES

D8 586 277 656 732 240
Dipeptidylpeptide hydrolases Enzymes which cleave dipeptides from the amino terminal of a polypeptide Dipeptidyl peptidase I, II, III, IV are known They hydrolyze the beta-naphthylamides of glycine-arginine, lysine-alanine, arginine-arginine and glycine-proline, respectively Dipeptidyl peptidase 1 is cathepsin C EC 3 4 14
do not use /analogs
(80)

see under PEPTIDE PEPTIDOHYDROLASES

X DIPEPTIDYL AMINOPEPTIDASE II
X DIPEPTIDYL AMINOPEPTIDASE III
X DIPEPTIDYL AMINOPEPTIDASE IV
X DIPEPTIDYL AMINOPEPTIDASES
X DIPEPTIDYL PEPTIDASE II
X DIPEPTIDYL PEPTIDASE III
X DIPEPTIDYL PEPTIDASE IV

DIPHENYLHEXATRIENE

D2 455 326 271 665 250 D26 408 348 249
1,7-Diphenyl-1,3,5-hexatriene A fluorescent compound that emits light only in specific configurations in certain lipid media, used as a tool in the study of membrane lipids Synonyms DPH, 1,6-diphenylhexatriene
do not use /biosyn /defic /physiol, /analogs NIM only
(80)
see under POLYENES

DIPROPHYLLINE see DYPHYLLINED3 438 759 758 824 751 250 D16 116 919 299
D18 918 882 299**DNA, FUNGAL**

D13 444 308 300

IM, coord with specific fungus (IM), do not use /analogs
80**DNA GYRASE**

D8 586 277 352 630 180

An ATP-requiring enzyme which in the presence of magnesium ions introduces negative supercoils into closed and possibly linear duplex DNA. The enzyme is implicated in DNA replication and transcription. It causes the storage of mechanical strain energy in the superhelical turns of DNA at the expense of ATP hydrolysis. EC 3.1.-

do not use /analogs

80

X ECO DNA TOPOISOMERASE II

DNA INSERTION ELEMENTS

G5 331 150

G5 832 290

Discrete transposable segments of DNA which can insert into chromosomal, phage, and plasmid DNA. Some insert at random, while others are site specific, most have not been found to exist except in the inserted state. Their insertion into a genome always produces a mutation ('insertion mutation'), and their excision frequently results in a loss of host genetic information. There are three classes of transposable elements: IS elements (INSERTION SEQUENCE ELEMENTS) which contain no genes, TN ELEMENTS, which may contain genes, and episomes, which are complex, self-replicating elements, which may contain IS and Tn elements.

only /drug eff /rad eff, do not confuse X ref TRANSPOSABLE ELEMENTS with X ref TRANSPOSONS see TN ELEMENTS

80

X INSERTION ELEMENTS, DNA

X TRANSPOSABLE ELEMENTS

XU TN ELEMENTS

DRUG EVALUATION, FDA PHASE III see CLINICAL TRIALS

E5 337 250

DUODENAL COMPRESSION SYNDROME, MESENTERIC see SUPERIOR MESENTERIC ARTERY SYNDROME

C6 405 469 275 395 890

DUODENITIS

C6 405 469 275 600

80

DYPHYLLINED3 438 759 758 824 751 250 D16 116 919 299
D18 918 882 299

7-(2,3-Dihydroxypropyl)-1,3-dimethylxanthine. Theophylline derivative broncho- and vasodilator, used in asthma, cardiac dyspnea, bronchitis. Synonyms: Astrophyllin, Dilor, glyfyllin, glyphylline, hyphylline, Lufylline, Neophylline, Neothylline, Thefyllan.

do not use /biosyn /defic /physiol

(80)

see under THEOPHYLLINE

X DIHYDROXYPROPYLTHEOPHYLLINE

X DIPROPHYLLINE

DYSBETALIPROTEINEMIA see HYPERLIPOPROTEINEMIA TYPE III

C18 452 648 556 481 485

DYSERYTHROPOIETIC ANEMIA, CONGENITAL see ANEMIA, DYSERYTHROPOIETIC, CONGENITAL

C15 378 71 141 280 97

EBOLA VIRUS

B4 909 777 750 210

Pleomorphic RNA virus which causes a form of African viral hemorrhagic fever first reported from an outbreak in the Yambuku area of Zaire in 1976.

do not use /blood-csf-urine /cytol, infection coord NIM with HEMORRHAGIC FEVERS, VIRAL (IM)

(80)

see under RHABDOVIRUSES

EC-IC ARTERIAL BYPASS see CEREBRAL REVASCLARIZATION

E4 494 150

E4 752 814 300

ECO DNA TOPOISOMERASE II see DNA GYRASE

D8 586 277 352 630 180

ECONOMIC INFLATION see INFLATION, ECONOMIC

N3 219 680

ECTOPIC ACTH SYNDROME see ACTH SYNDROME, ECTOPIC

C4 730 713 317

C19 576 317

EMBRYO TRANSFER

E5 820 330

Removal of a mammalian embryo from one environment and replacement in the same or a new environment. The embryo is usually in the pre-implantation phase, i.e., a blastocyst. Includes embryo or blastocyst transplantation or transfer after in vitro fertilization. Includes transfer of the inner cell mass of the blastocyst. Do not use for transfer of differentiated embryonic tissue, e.g., germ layer cells.

mammalian only, transfer of non-mammalian embryo = EMBRYO, NON-MAMMALIAN /transpl or CHICK EMBRYO /transpl

80

X BLASTOCYST TRANSFER

EMERGENCY MEDICAL SERVICE COMMUNICATION SYSTEMS

N2 421 297 58

The use of communication systems, such as telecommunication, to transmit emergency information to appropriate providers of health services.

only /class /econ /hist /legis /man /organ /stand /supply /trends /util (80)

see under EMERGENCY MEDICAL SERVICES

X EMS COMMUNICATION SYSTEMS

EMPLOYEE STRIKES see STRIKES, EMPLOYEE

N3 540 571 608

N4 452 677 842

EMS COMMUNICATION SYSTEMS see EMERGENCY MEDICAL SERVICE COMMUNICATION SYSTEMS

N2 421 297 58

ENERGY RESOURCES CONSERVATION see CONSERVATION OF ENERGY RESOURCES

G3 230 80 78

ENHANCEMENT OF GRAFTS, IMMUNOLOGIC see GRAFT ENHANCEMENT, IMMUNOLOGIC

E2 95 449 440

E5 478 610 500

EOSINOPHIL CHEMOTACTIC FACTORS see CHEMOTACTIC FACTORS, EOSINOPHIL

D24 185 125 320

EOSINOPHIL CHEMOTAXINS see CHEMOTACTIC FACTORS, EOSINOPHIL

D24 185 125 320

ERYTHROCYTE HEMOGLOBIN, MEAN CELL see ERYTHROCYTE INDICES

E1 223 459 380

G9 188 490

ERYTHROCYTE INDICES

E1 223 459 380

G9 188 490

Quantification of size and cell hemoglobin content or concentration of the erythrocyte, usually derived from erythrocyte count, blood hemoglobin concentration, and hematocrit. Includes the mean cell volume (MCV), mean cell hemoglobin (MCH), and mean cell hemoglobin concentration (MCHC). Use also for cell diameter and thickness.

emphasis here is on determinative techniques, do not confuse with ERYTHROCYTES /cytol where emphasis is on structure, MCV for mean cell volume or mean corpuscular volume goes here, only /drug eff /rad eff (80)

X ERYTHROCYTE HEMOGLOBIN, MEAN CELL

X ERYTHROCYTE SIZE DETERMINATION

X ERYTHROCYTE VOLUME, MEAN CELL

X HEMOGLOBIN, ERYTHROCYTE, MEAN CELL

X RED CELL INDICES

ERYTHROCYTE SIZE DETERMINATION see ERYTHROCYTE INDICES

E1 223 459 380

G9 188 490

ERYTHROCYTE VOLUME, MEAN CELL see ERYTHROCYTE INDICES

E1 223 459 380

G9 188 490

ESOTROPIA

C11 841 352

Strabismus in which the deviating eye looks inwards towards the nose (80), was see STRABISMUS 1975-79

search STRABISMUS 1975-79

see under STRABISMUS

X CONVERGENT STRABISMUS

X STRABISMUS, CONVERGENT

EVOKED POTENTIALS, AUDITORY

G7 453 697 100 300 369 G11 561 450 100 300 369

The electric response evoked in the cerebral cortex by acoustic stimulation or stimulation of the auditory pathways

only /drug eff /rad eff

80

X AUDITORY EVOKED POTENTIALS

XU COCHLEAR MICROPHONIC POTENTIALS

EVOKED RESPONSE AUDIOMETRY see **AUDIOMETRY, EVOKED RESPONSE**

E1 276 299 375 297 45

EXTRACRANIAL-INTRACRANIAL ARTERIAL BYPASS see **CEREBRAL REVASCULARIZATION**

E4 494 150

E4 752 814 300

FACTEUR THYMIQUE SERIQUE see **THYMIC FACTOR, CIRCULATING**

D6 472 910 750

D12 644 456 835

FALLOPIAN TUBE DISEASES

C13 371 56 390

inflamm dis = SALPINGITIS

80

FAO, UNITED NATIONS see **UNITED NATIONS**

N3 540 514 718

FAT BODY

A10 165 114 365

A13 365

A nutritional reservoir of fatty tissue found mainly in insects and amphibians in amphibia & insects, do not use /abnorm /growth /inj /innerv

(80)

see under **ADIPOSE TISSUE**

FC RECEPTORS see **RECEPTORS, FC**

D24 611 834 871

G4 610 834 871

G6 184 154 834 871

FEASIBILITY STUDIES

H1 770 644 300

Studies to determine the advantages or disadvantages, practicability or capability of accomplishing a projected plan, study or project

no qualif

80

FEMORAL HEAD PROSTHESIS see **HIP PROSTHESIS**

E4 557 168 530 490

E4 659 550 490

E7 858 442 499 490

E7 858 565 600 490

FENDILINE

D2 92 471 683 450

D18 97 360

D18 918 360

N-(3,3-Diphenylpropyl)-alpha-methylbenzylamine Coronary vasodilator, inhibits calcium function in muscle cells in excitation-contraction coupling, proposed as antiarrhythmic and antianginal agents Synonyms HK 137, phenaxazan, phenoxan, Sensit

do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under **PHENETHYLAMINES**

FERTILIZATION IN VITRO

E5 820 490

G8 520 277 320

Fertilization of an egg outside the body when the egg is normally fertilized in the body

only /drug eff /instrum /methods /rad eff, do not check the tags **IN VITRO, PREGNANCY** or **FEMALE**

TEST-TUBE FERTILIZATION was **TEST TUBE BABIES** see **ECTOGENESIS 1978**

to search **TEST TUBE BABIES** use **FERTILIZATION IN VITRO 1979** & **ECTOGENESIS 1978**

X **TEST-TUBE FERTILIZATION**

FETAL CIRCULATION, PERSISTENT see **PERSISTENT FETAL CIRCULATION SYNDROME**

C14 907 489 531 694

C16 614 694

FIBROCYSTIC DISEASE OF BREAST

C4 182 289

C19 146 378

A chronic disorder comprised of three variants which range from lesions consisting primarily of an overgrowth of fibrous tissue to those characterized by dominance of the proliferation of the epithelial parenchyma to a form of dysplasia characterized by both stromal and epithelial hyperplasia with the formation of cysts

commonly chronic so do not coord with **CHRONIC DISEASE**

(80)

see under **BREAST DISEASES**

X **ADENOSIS OF BREAST**

X **BREAST DYSPLASIA**

X **CYSTIC DISEASE OF BREAST**

X **FIBROCYSTIC MASTOPATHY**

X **MAMMARY DYSPLASIA**

X **MASTITIS, CYSTIC**

FIBROCYSTIC MASTOPATHY see **FIBROCYSTIC DISEASE OF BREAST**

C4 182 289

C19 146 378

FIBRONECTINS

D12 776 377 715 390

D12 776 395 350

D12 776 543 350

Glycoproteins found on the surfaces of cells, particularly in fibrillar structures The proteins are lost or reduced when these cells undergo viral or chemical transformation They are highly susceptible to proteolysis and are substrates for activated blood coagulation factor VIII The forms present in plasma are called cold-insoluble globulins Synonyms CSP galactoprotein a, Gap a, large external transformation-sensitive proteins, SFA Zeta

/biosyn /physiol permitted do not use /analogs

80

X **COLD-INSOLUBLE GLOBULINS**

X **LETS PROTEINS**

FIMBRIAE, BACTERIAL see **PILI, BACTERIAL**

A11 368 702 679

G4 185 515 679

G5 386 679

FINANCING, CAPITAL see **CAPITAL FINANCING**

N3 219 463 85

FLAIL CHEST

C21 866 891 315

A complication of multiple rib fractures, rib and sternum fractures, or thoracic surgery, in which a portion of the chest wall becomes isolated from the thoracic cage and exhibits paradoxical respiration

(80)

see under **THORACIC INJURIES**

X **STOVE-IN CHEST**

FLAPS see **SURGICAL FLAPS**

E4 860 887

FOOD AND AGRICULTURAL ORGANIZATION, UNITED NATIONS see **UNITED NATIONS**

N3 540 514 718

FORMATE DEHYDROGENASES

D8 586 682 75 400

Formate NAD+ oxidoreductases Flavoproteins which catalyze reversibly the reduction of carbon dioxide to formate Many compounds can act as acceptors, but the only physiologically active acceptor is NAD The enzymes are active in the fermentation of sugars and other compounds to carbon dioxide and are the key enzymes in obtaining energy when bacteria are grown on formate as the main carbon source Have been purified from bovine blood EC 1.2.2.1 uses ferricytochrome b1 as the acceptor EC 1.2.1.2 uses NAD as the acceptor do not use /analogs

(80)

see under **ALDEHYDE OXIDOREDUCTASES**

X **FORMATE HYDROGENLYASES**

FORMATE HYDROGENLYASES see **FORMATE DEHYDROGENASES**

D8 586 682 75 400

FUNDING, CAPITAL see **CAPITAL FINANCING**

N3 219 463 85

GANGLIA, PARASYMPATHETIC

A8 99 370 405

A8 99 698 405

A8 340 315 405

Ganglia of the parasympathetic nervous system including the ciliary, pterygopalatine, submandibular and otic ganglia and others

do not use /innerv, includes ciliary, pterygopalatine, submandibular, otic ganglia

80

X **PARASYMPATHETIC GANGLIA**

GANGLIA, SYMPATHETIC

A8 99 411 A8 99 893 477
A8 340 315 477

Ganglia of the sympathetic nervous system including the cervical, mesenteric and celiac ganglia and others

do not use /innerv, includes cervical, mesenteric, celiac, stellate ganglia
80, SYMPATHETIC GANGLIA was see GANGLIA, AUTONOMIC 1975-79, was see under GANGLIA, AUTONOMIC 1963-74, CELIAC GANGLIA was see CELIAC PLEXUS 1975-79, was see under CELIAC PLEXUS 1963-74

to search SYMPATHETIC GANGLIA use GANGLIA, SYMPATHETIC back thru 1980 & GANGLIA, AUTONOMIC 1966-79, to search CELIAC GANGLIA use GANGLIA, SYMPATHETIC back thru 1980 & CELIAC PLEXUS 1966-79

X CELIAC GANGLIA
X SYMPATHETIC GANGLIA

GASTROCOELE see GASTRULA

A16 254 412

GASTRULA

A16 254 412

The early embryonic stage following the blastula, characterized by morphogenetic cell movements, cell differentiation, and the formation of the three germ layers

'early embryonic stage following the blastula', A 11 qualif

80

X ARCHENTERON
X BLASTOPORE
X GASTROCOELE
X PRIMITIVE GUT
X PRIMITIVE STREAK

GENE AMPLIFICATION

E5 393 330 G5 331 350

A selective increase in the number of copies of a gene coding for a specific protein without a proportional increase in other genes. It occurs naturally via the excision of a copy of the repeating sequence from the chromosome and its extrachromosomal replication in a plasmid, or via the production of an RNA transcript of the entire repeating sequence of ribosomal RNA followed by the reverse transcription of the molecule to produce an additional copy of the original DNA sequence. Also laboratory techniques for inducing disproportional replication by unequal crossing over, uptake of DNA from lysed cells or generation of extrachromosomal sequences from rolling circle replication

only /drug eff /methods /rad eff

80

GENE CONVERSION

G5 832 380

The asymmetrical segregation of genes during replication which leads to the production of non-reciprocal recombinant strands and the apparent conversion of one allele into another. Thus, e.g., the meiotic products of an Aa individual may be AAAa or aaaA instead of AAaa, i.e., the A allele has been converted into the a allele or vice versa

only /drug eff /rad eff

80

X POLAR RECOMBINATION
X POLARON

GENERAL SYSTEMS THEORY see SYSTEMS THEORY

H1 770 808

GENES, SYNTHETIC

G5 275 582

Biologically functional sequences of DNA chemically synthesized in vitro

only /drug eff /rad eff, DF GENES SYN

80

GENETIC MARKER

G5 735 450

A phenotypically recognizable genetic trait which can be used to identify a genetic locus, a linkage group, or a recombination event

only /drug eff /rad eff

80

X CHROMOSOME MARKER
X MARKER, GENETIC

GENETIC VECTORS

G5 386 401 G5 832 401

Vehicles suitable for the insertion, recombination, cloning and propagation of exotic fragments of DNA, they are primarily of two types: plasmids and phages

'vehicles suitable for the insertion, recombination, cloning & propagation of exotic fragments of DNA', only /drug eff /rad eff, coord IM with specific bacterium + PLASMIDS or specific phage (IM or NIM)

80

GERM LINE THEORY see ANTIBODY DIVERSITY

G4 610 51 G4 610 626 51
G5 511 51

GHETTOS see POVERTY AREAS

I1 880 840 535 550 N1 824 600 550

GINGIVOSTOMATITIS, HERPETIC see STOMATITIS, HERPETIC

C2 256 466 382 834 C7 465 864 840

GLASS IONOMER CEMENTS

D25 339 291 402

A polymer obtained by reacting polyacrylic acid with a special anion-leachable glass (alumino-silicate), the resulting cement is more durable and tougher than others in that the materials comprising the polymer backbone do not leach out

Synonym Alumino-Silicate Polyacrylic Acid cement

D25-26 qualif

(80)

see under DENTAL CEMENTS
X ASPA CEMENT
X SILICOPOLYACRYLATE CEMENT

GLYCERALDEHYDE 3-PHOSPHATE

D2 47 587 450 D9 203 546 894 449 450

2-Hydroxy-3-(phosphonoxy)-propanal. An aldotoxose which is an important intermediate in glycolysis and in tryptophan biosynthesis

/physiol permitted

(80)

see under GLYCERALDEHYDE
X 3-PHOSPHOGLYCERALDEHYDE

GONADAL DYSGENESIS

C16 131 939 842 309

Any of several developmental anomalies involving the total or partial failure of the indifferent embryonic gonad to differentiate into ovary or testis. Includes gonadal agenesis

in male or female, do not use /congen, includes agenesis

80, was see TURNER'S SYNDROME 1967-79

search TURNER'S SYNDROME 1967-79 & SEX DIFFERENTIATION DISORDERS 1966-79

XU GONADAL DYSGENESIS, 46,XY
XU GONADAL DYSGENESIS, MIXED

GONADAL DYSGENESIS, 46,XY

C16 131 280 748 388 C16 131 939 842 309 388
C19 391 388

A syndrome characterized by 'streak gonads' in a phenotypic female with a 46,XY karyotype. It is due to a mutation which inhibits the function of the Y-borne determinant that would normally cause the indifferent embryonic gonad to differentiate into testis. The streak gonad is incapable of ovulation or estrogen secretion. The syndrome is sometimes called 'pure gonadal dysgenesis,' but this designation may also refer to the presence of streak gonads with a 46,XX karyotype

check tags HUMAN & FEMALE, do not use /congen

(80), see history & online notes under GONADAL DYSGENESIS above

see under GONADAL DYSGENESIS

X SWYER SYNDROME

GONADAL DYSGENESIS, MIXED

C16 131 280 748 391 C16 131 939 842 309 391
C19 391 391

A syndrome of gonadal dysgenesis in which there is a testis on one side and a 'streak gonad' on the other. The phenotype is generally male, but may be female, since the individual is a mosaic, various karyotypes have been identified, including 45,XO/47,XY, 45,XO/46,XY, 45,XO/46,XYo

in male or female use genetic sex of subject, do not use /congen

(80), see history & online notes under GONADAL DYSGENESIS above

see under GONADAL DYSGENESIS

X MIXED GONADAL DYSGENESIS

GORLIN SYNDROME see BASAL CELL NEVUS SYNDROME

C4 182 89 530 690 150 C4 557 117 110 150
C5 500 470 690 150 C16 131 77 130

GRAFT ENHANCEMENT, IMMUNOLOGIC

E2 95 449 440 E5 478 610 500

The induction of prolonged survival and growth of allografts of either tumors or normal tissues which would ordinarily be rejected. May be induced passively by introducing graft-specific antibodies from previously immunized donors, which bind to the graft's surface antigens, masking them from recognition by T-cells, or actively by prior immunization of the recipient with graft antigens which evoke specific antibodies and form antigen-antibody complexes which bind to the antigen receptor sites of the T-cells and block their cytotoxic activity

only /methods /vet, to prevent graft rejection of normal or tumor tissue, do not coord with IMMUNOTHERAPY, DF GRAFT ENHANCEMENT

80

X ENHANCEMENT OF GRAFTS, IMMUNOLOGIC
X IMMUNOLOGIC ENHANCEMENT OF GRAFTS

GRANTS AND SUBSIDIES, HEALTH PLANNING see HEALTH PLANNING SUPPORT

N3 219 483 408

GRANULOMATOSIS, LYMPHOMATOID see LYMPHOMATOID
GRANULOMATOSIS

C4 834 567 C15 604 515 571
C23 484 567

GROUP PRACTICE, PREPAID

N4 452 758 244 600
An organized group of three or more full-time physicians rendering services for a fixed prepayment
only /hist /legis /organ /stand /trends, coord IM with med or other specialty (IM)
(80)
see under GROUP PRACTICE
X PREPAID GROUP PRACTICE

GUIDELINES FOR HEALTH PLANNING see HEALTH PLANNING
GUIDELINES

N3 349 315

GUM ACACIA see GUM ARABIC

D9 203 698 380 D26 698 931 419 399

GUM ARABIC

D9 203 698 380 D26 698 931 419 399
Powdered exudate from various Acacia species, especially *A. senegal* (Leguminosae), forms mucilage or syrup in water, used as suspending agent, excipient, emulsifier in foods and pharmaceuticals. Synonyms: Acacia syrup, Arabic gum, Australian gum, Gum ovaline, Gum Senegal, Indian gum
D25-26 qualif, pharmaceut agents made from various species of ACACIA (Cat B6)
(80)
see under POLYSACCHARIDES
X ACACIA GUM
X GUM ACACIA

HAEM OXYGENASE see HEME OXYGENASE

D8 586 682 420 410

HAEMOBARTONELLA

B3 700 651 129 501
A genus of the family Anaplasmataceae, parasitic on or within the erythrocytes of many vertebrate species
do not use /blood-csf-urine, infection = HAEMOBARTONELLOSIS see ANAPLASMATACEAE INFECTIONS, *H. felis* infection = FELINE INFECTIOUS ANEMIA
80, HAEMOBARTONELLOSIS was heading 1977-79
use HAEMOBARTONELLA & ANAPLASMATACEAE INFECTIONS to search HAEMOBARTONELLOSIS 1977-79

HAIR CELLS, INNER

A8 796 511 725 404 307 315 A9 246 631 246 577 325 315
Bulbous cells that are medially placed in one row in the organ of Corti. In contrast to the outer hair cells, the inner hair cells are fewer in number, have fewer sensory hairs and are less differentiated
see note above, do not use /innerv
(80)
see under HAIR CELLS

HAIR DISEASES

C17 805 305
Diseases affecting the orderly growth and persistence of hair
80, was HAIR FOLLICLE DISEASES (NON MESH) before 1980

HAIR PREPARATIONS

D26 313 300 J1 516 213 450
Hair grooming and cleansing aids or other products meant for topical application to hair, usually human, includes sprays, bleaches, conditioners, rinses, shampoos, nutrient lotions, etc
D25-26 qualif, note HAIR DYES above
80
X COSMETICS, HAIR
XU HAIR DYES

HEALTH CARE RESEARCH see HEALTH SERVICES RESEARCH

N3 349 380

HEALTH FACILITY ENVIRONMENT

N2 278.220
Physical surroundings or conditions of a hospital or other health facility and influence of these factors on patients and staff
do not use /man /methods /organ /supply /util (except by MeSH definition)
(80)
see under HEALTH FACILITIES

HEALTH PLAN IMPLEMENTATION

N3 349 300
Those actions designed to carry out recommendations pertaining to health plans or programs
only /econ /hist /legis /stand /trends, specify geog
(80)
see under HEALTH PLANNING

HEALTH PLANNING COUNCILS

N3 540 452 210
Organized groups serving in advisory capacities related to health planning activities
only /class /econ /hist /legis /organ /stand /trends /util, Public Law 93-641, specify geog
(80)
see under HEALTH PLANNING ORGANIZATIONS
X NATIONAL COUNCIL ON HEALTH PLANNING AND DEVELOPMENT
X STATEWIDE HEALTH COORDINATING COUNCILS

HEALTH PLANNING GUIDELINES

N3 349 315
Recommendations for directing health planning functions and policies. May be mandated by PL93-641 and issued by the Department of Health, Education and Welfare for use by state and local planning agencies
no qualif
(80)
see under HEALTH PLANNING
X GUIDELINES FOR HEALTH PLANNING

HEALTH PLANNING ORGANIZATIONS

N3 540 452
Organizations involved in all aspects of health planning activities
only /class /econ /hist /legis /organ /stand /trends /util, specify geog
CATALOG /geog /form
80
X CENTERS FOR HEALTH PLANNING
XU HEALTH PLANNING COUNCILS
XU STATE HEALTH PLANNING AND DEVELOPMENT AGENCIES

HEALTH PLANNING SUPPORT

N3 219 483 408
Financial resources provided for activities related to health planning and development
only /class /econ /legis /trends /util CATALOG /geog /form
80
X GRANTS AND SUBSIDIES, HEALTH PLANNING
X SUBSIDIES, HEALTH PLANNING

HEALTH PLANNING TECHNICAL ASSISTANCE

N3 349 330
The provision of expert assistance in developing health planning programs, plans as technical materials, etc., as requested by Health Systems Agencies or other health planning organizations
only /econ /hist /legis /stand /trends
(80)
note term over 30 characters
see under HEALTH PLANNING
X TECHNICAL ASSISTANCE FOR HEALTH PLANNING

HEALTH POLICY

I1 880 604 710 608 400 N3 706 710 608 428
Decisions, usually developed by government policymakers, for determining present and future objectives pertaining to the health care system
no qualif, specify state or country or other body if pertinent CATALOG /geog /form
80
X NATIONAL HEALTH POLICY
XR POLICY MAKING

HEALTH PRIORITIES

N3 349 325
Preferentially rated health-related activities or functions to be used in establishing health planning goals, may refer specifically to PL93-641
only /econ /hist /legis /trends
(80)
see under HEALTH PLANNING
X PRIORITIES, HEALTH

HEALTH PROMOTION

N2.370

Encouraging consumer behaviors most likely to optimize health potentials (physical and psychosocial) through health information, preventive programs, and access to medical care.

only /econ /educ /hist /legis /methods /organ /trends /util CATALOG: /geog /form

80

X PROMOTION OF HEALTH

HEALTH SERVICES FOR THE AGED

N2.421.320

Use for general articles discussing health services which pertain to the elderly. only /class /econ /hist /legis /man /organ /supply /trends /util (if by MeSH definition); coord IM with specific serv (IM or NIM) if pertinent

80

XR AGED

HEALTH SERVICES RESEARCH

N3.349.380

only /econ /hist /legis /man /methods /organ /stand /trends /util CATALOG: /geog /form

80

X HEALTH CARE RESEARCH

X MEDICAL CARE RESEARCH

X RESEARCH, HEALTH SERVICES

XU HEALTH SERVICES NEEDS AND DEMAND

HEALTH STATUS

N1.407.540.280

The level of health of the individual, group or population as subjectively assessed by the individual or by more objective measures.

no qualif

(80); was see HEALTH 1979

search HEALTH 1979

see under HEALTH

X LEVEL OF HEALTH

HEALTH SYSTEMS PLANS

N3.349.650.480.310

Statements of goals for the delivery of health services pertaining to the Health Systems Agency service area, established under PL 93-641, and consistent with national guidelines for health planning.

only /econ /hist /legis /organ /stand /trends /util; Public Law 93-641; specify geog & add UNITED STATES also

(80)

see under STATE HEALTH PLANS

X COMPREHENSIVE HEALTH PLANS, LOCAL

HEME OXYGENASE

D8.586.682.420.410

Haem, hydrogen-donor-oxygen oxidoreductase (alpha-methene-oxidizing, hydroxylating). A mixed function oxidase enzyme which during hemoglobin catabolism catalyzes the degradation of heme to ferrous iron, carbon monoxide and biliverdin in the presence of molecular oxygen and reduced NADPH. The enzyme is induced by metals, particularly cobalt. EC 1.14.99.3.

do not use /analogs

(80)

see under HYDROXYLASES

X HAEM OXYGENASE

HEMOBILIA

C6.130.650

C23.542.425

Hemorrhage in or through the biliary tract. The blood may drain into the intestine or form clots within the biliary tract. Causes include trauma, inflammation, cholelithiasis, vascular disease, or neoplasms.

also called 'hematobilia'

80

X BILIARY TRACT HEMORRHAGE

X HEMORRHAGE, BILIARY TRACT

HEMOGLOBIN, ERYTHROCYTE, MEAN CELL see ERYTHROCYTE INDICES

E1.223.459.380

G9.188.490

HEMORRHAGE, BILIARY TRACT see HEMOBILIA

C6.130.650

C23.542.425

HEPATITIS, VIRAL, NON-A, NON-B

C2.440.951

C6.552.380.705.600

A form of hepatitis, similar to type B post-transfusion hepatitis, but caused by a virus which is serologically distinct from the agents of hepatitis A and B, and which may persist in the blood of chronic asymptomatic carriers.

this name will be used in the article: follow the text

(80)

see under HEPATITIS, VIRAL, HUMAN

HERPES SIMPLEX, ORAL see STOMATITIS, HERPETIC

C2.256.466.382.834

C7.465.864.840

HETERODUPLEXES, NUCLEIC ACID see NUCLEIC ACID HETERODUPLEXES

D13.444.500

HIGH-COST TECHNOLOGY see TECHNOLOGY, HIGH-COST

N3.880.502

HIP PROSTHESIS

E4.557.168.530.490

E4.659.550.490

E7.858.442.499.490

E7.858.565.600.490

Partial or total replacement of the hip joint.

do not use /util except by MeSH definition

80

X ARTHROPLASTY, REPLACEMENT, HIP

X FEMORAL HEAD PROSTHESIS

HOLISTIC HEALTH

K1.752.667.710

Health as viewed from the perspective that man and other organisms function as complete, integrated units rather than as aggregates of separate parts.

only /hist; also called 'holistic medicine'

80

HOSPITAL BED CAPACITY, UNDER 100

N2.278.306.472.80

no qualif; specify geog; DF: HOSP BED CAPAC UNDER 100

(80); HOSPITAL BED CAPACITY, UNDER 200 was heading 1978-79

note: term over 30 characters; search HOSPITAL BED CAPACITY, UNDER

200 under HOSPITAL BED CAPACITY, 100 TO 299 1978-79

see under HOSPITAL BED CAPACITY

HOSPITAL LAUNDRY SERVICE see LAUNDRY SERVICE, HOSPITAL

N2.278.354.422.428

N4.452.442.422.428

HOST-PARASITE RELATIONS

G4.185.410

The interactions between two organisms, one of which lives at the expense of the other.

no qualif; coord NIM with host /parasitol (IM) + parasite /physiol or other more specific qualif (IM)

80

X PARASITE-HOST RELATIONS

HYDROXYANDROSTANES see ANDROSTANOLS

D4.808.54.40

3-HYDROXY-3-METHYLGLUTARIC ACID

D2.241.81.337.351.400

D10.162.400

3-Hydroxy-3-methylpentanedioic acid. An antilipemic agent which lowers cholesterol, triglycerides, serum beta-lipoproteins and phospholipids. It acts by interfering with the enzymatic steps involved in the conversion of acetate to hydroxymethylglutaryl coenzyme A as well as inhibiting the activity of hydroxymethylglutaryl CoA reductase which is the rate limiting enzyme in the biosynthesis of cholesterol.

do not use /biosyn /defic /physiol; /analogs NIM only

(80)

note: term over 30 characters

see under GLUTARATES

HYPERBETALIPOPROTEINEMIA see HYPERCHOLESTEROLEMIA, FAMILIAL

C18.452.648.556.481.475

HYPERCHOLESTEROLEMIA, ESSENTIAL see

HYPERCHOLESTEROLEMIA, FAMILIAL

C18.452.648.556.481.475

HYPERCHOLESTEROLEMIA, FAMILIAL

C18 452 648 556 481 475

A familial disorder characterized by increased plasma concentration of cholesterol carried in low density lipoproteins (LDL) and by a deficiency in a cell surface receptor which regulates LDL degradation and cholesterol synthesis, frequently associated with arcus senilis and premature atherosclerosis

80, HYPERLIPOPROTEINEMIA was see HYPERLIPIDEMIA 1975-79, HYPERLIPIDEMIA, ESSENTIAL FAMILIAL was heading 1963-79 (see note under HYPERLIPIDEMIA for former cross refs to it)

search HYPERLIPOPROTEINEMIA under HYPERLIPIDEMIA 1975-79, search HYPERLIPIDEMIA, ESSENTIAL FAMILIAL under HYPERLIPIDEMIA /FG 1966-79

X HYPERBETALIPOPROTEINEMIA

X HYPERCHOLESTEROLEMIA, ESSENTIAL

X HYPERLIPOPROTEINEMIA TYPE II

HYPERCHYLOMICRONEMIA, FAMILIAL see LIPOPROTEIN LIPASE DEFICIENCY, FAMILIAL

C18 452 648 556 481 552

HYPERLIPIDEMIA, MIXED see HYPERLIPOPROTEINEMIA TYPE V

C18 452 648 556 481 495

HYPERLIPIDEMIA, FAMILIAL COMBINED

C18 452 648 556 481 480

A disorder genetically distinct from the other inherited hyperlipidemias characterized by the type II or type IV lipoprotein pattern (the pattern may change from time to time and the lipid level may be normal at one time and abnormal at another time)

familial or acquired

80, HYPERLIPOPROTEINEMIA was see HYPERLIPIDEMIA 1975-79, HYPERLIPIDEMIA, ESSENTIAL FAMILIAL was heading 1963-79 (see note under HYPERLIPIDEMIA for former cross refs to it)

note term over 30 characters, search HYPERLIPOPROTEINEMIA under HYPERLIPIDEMIA 1975-79, search HYPERLIPIDEMIA, ESSENTIAL FAMILIAL under HYPERLIPIDEMIA /FG 1966-79

X HYPERLIPIDEMIA, MULTIPLE LIPOPROTEIN-TYPE

HYPERLIPIDEMIA, MULTIPLE LIPOPROTEIN-TYPE see

HYPERLIPIDEMIA, FAMILIAL COMBINED

C18 452 648 556 481 480

HYPERLIPOPROTEINEMIA

C18 452 494 481 C18 452 648 556 481

Metabolic disease characterized by elevated plasma cholesterol and/or triglyceride levels, the inherited form is attributed to a single gene mechanism familial or acquired, note specific Types I-V below, TN 244 suppl pp 23-26 indexing instructions on hyperlipoproteinemias 1975-79

80, was see HYPERLIPIDEMIA 1975-79, HYPERLIPIDEMIA, ESSENTIAL FAMILIAL was heading 1963-79 (see note under HYPERLIPIDEMIA for former cross refs to it)

search HYPERLIPIDEMIA 1975-79, search HYPERLIPIDEMIA, ESSENTIAL FAMILIAL under HYPERLIPIDEMIA /FG 1966-79

XU LIPOPROTEIN LIPASE DEFICIENCY, FAMILIAL

HYPERLIPOPROTEINEMIA TYPE I see LIPOPROTEIN LIPASE

DEFICIENCY, FAMILIAL

C18 452 648 556 481 552

HYPERLIPOPROTEINEMIA TYPE II see HYPERCHOLESTEROLEMIA,

FAMILIAL

C18 452 648 556 481 475

HYPERLIPOPROTEINEMIA TYPE III

C18 452 648 556 481 485

A rather uncommon form of familial hyperlipemia characterized by the presence of lipoproteins of abnormal composition. The main abnormal lipoproteins are called beta-VLDL and have a different apoprotein content and a higher proportion of cholesterol relative to triglyceride than normal VLDL

80, HYPERLIPOPROTEINEMIA was see HYPERLIPIDEMIA 1975-79, HYPERLIPIDEMIA, ESSENTIAL FAMILIAL was heading 1963-79 (see note under HYPERLIPIDEMIA for former cross refs to it)

search HYPERLIPOPROTEINEMIA under HYPERLIPIDEMIA 1975-79, search HYPERLIPIDEMIA, ESSENTIAL FAMILIAL under HYPERLIPIDEMIA /FG 1966-79

X BROAD BETA DISEASE

X DYSBETALIPOPROTEINEMIA

HYPERLIPOPROTEINEMIA TYPE IV

C18 452 648 556 481 490

A familial disorder characterized by an isolated elevation in the plasma level of endogenously synthesized triglyceride carried in VLDL, considered to be an autosomal dominant trait

80, HYPERLIPOPROTEINEMIA was see HYPERLIPIDEMIA 1975-79, HYPERLIPIDEMIA, ESSENTIAL FAMILIAL was heading 1963-79 (see note under HYPERLIPIDEMIA for former cross refs to it)

search HYPERLIPOPROTEINEMIA under HYPERLIPIDEMIA 1975-79, search HYPERLIPIDEMIA, ESSENTIAL FAMILIAL under HYPERLIPIDEMIA /FG 1966-79

X HYPERPREBETALIPOPROTEINEMIA

X HYPERTRIGLYCERIDEMIA, FAMILIAL

HYPERLIPOPROTEINEMIA TYPE V

C18 452 648 556 481 495

A severe familial adult-onset hypertriglyceridemia different from that due to lipoprotein lipase deficiency

80, HYPERLIPOPROTEINEMIA was see HYPERLIPIDEMIA 1975-79, HYPERLIPIDEMIA, ESSENTIAL FAMILIAL was heading 1963-79 (see note under HYPERLIPIDEMIA for former cross refs to it)

search HYPERLIPOPROTEINEMIA under HYPERLIPIDEMIA 1975-79, search HYPERLIPIDEMIA, ESSENTIAL FAMILIAL under HYPERLIPIDEMIA /FG 1966-79

X HYPERLIPIDEMIA, MIXED

HYPERPREBETALIPOPROTEINEMIA see HYPERLIPOPROTEINEMIA

TYPE IV

C18 452 648 556 481 490

HYPERSOMNIA WITH PERIODIC RESPIRATION see SLEEP APNEA

SYNDROMES

C8 618 85 852

HYPERTRIGLYCERIDEMIA, FAMILIAL see HYPERLIPOPROTEINEMIA

TYPE IV

C18 452 648 556 481 490

HYPOVENTILATION, CENTRAL ALVEOLAR see SLEEP APNEA

SYNDROMES

C8 618 85 852

ILEAL DISEASES

C6 405 469 420

Diseases of the ileum including the ileocecal valve

inflamm dis = ILEITIS

80

ILEAL NEOPLASMS

C4 588 274 476 411 501

C6 405 469 420 501

Neoplasms of the ileum including the ileocecal valve

/anal /blood supply /secret /ultrastruct permitted, coord IM with histol type of neopl (IM)

80

IMIDATES see IMIDOESTERS

D2 478 400

D26 550 430

IMIDOESTERS

D2 478 400

D26 550 430

Esters of the hypothetical imidic acids. They react with amines or amino acids to form amidines and are therefore used to modify protein structures and as cross-linking agents

do not use /analog /biosyn /defic /physiol

80

X IMIDATES

XU DIMETHYL ADIPIMIDATE

XU DIMETHYL SUBERIMIDATE

IMMUNOCOMPETENCE

G4 610 612

The ability of lymphoid cells to mount a humoral or cellular immune response when challenged by antigen

only /drug eff /rad eff, 'immunologically competent cells' = B-LYMPHOCYTES or T-LYMPHOCYTES but do not add IMMUNOCOMPETENCE

80

X COMPETENCE, IMMUNOLOGIC

X IMMUNOLOGIC COMPETENCE

IMMUNOLOGIC COMPETENCE see IMMUNOCOMPETENCE

G4 610 612

IMMUNOLOGIC ENHANCEMENT OF GRAFTS see GRAFT

ENHANCEMENT, IMMUNOLOGIC

E2 95 449 440

E5 478 610 500

IMMUNOLOGIC RECEPTORS see RECEPTORS, IMMUNOLOGIC

D24 611 834

G4 610 834

G6 184 154 834

IMMUNOLOGIC SURVEILLANCE

G4 610 555 412

The theory that T-cells monitor cell surfaces and detect structural changes in the plasma membrane and/or surface antigens of virally or neoplastically transformed cells

a function of T-lymphocytes nothing to do with epidemiol surveillance, only /drug eff /rad eff

(80)

see under IMMUNITY, CELLULAR

X SURVEILLANCE, IMMUNOLOGIC

IMPLANT RADIOTHERAPY see BRACHYTHERAPY

E2 810 150

INFLATION, ECONOMIC

N3 219 680

An increase in the volume of money and credit relative to available goods resulting in a substantial and continuing rise in the general price level

only /hist /trends

(80)

see under ECONOMICS

X ECONOMIC INFLATION

INHALATION PROVOCATION TESTS see BRONCHIAL PROVOCATION TESTS

E1 302 796 170

INNOVATION DIFFUSION see DIFFUSION OF INNOVATION

L1 143 320

INTROPIC AGENTS, POSITIVE CARDIAC see CARDIOTONIC AGENTS

D18 222

INPATIENTS

M1 643 470

Persons admitted to health facilities which provide board and room for the purpose of observation, care, diagnosis or treatment

only /psychol inpatients as people or as a social, sociol, psychol, etc., group, do not confuse with HOSPITALIZATION

(80)

see under PATIENTS

INSERTION ELEMENTS, DNA see DNA INSERTION ELEMENTS

G5 331 150

G5 832 290

INSERTION SEQUENCE ELEMENTS

G5 331 150 510

G5 832 290 510

Short, translocatable segments of DNA containing from 700 to 1400 bases, which can be inserted into plasmids, phages, and chromosomes. They contain no genes unrelated to insertion function and have no phenotypic appearance other than that caused by the insertion mutation in the host genome. Their polynucleotide sequences are bounded by repeated terminal sequences which function to provide site-specific insertion into the genome.

a DNA segment only /drug eff /rad eff

80

X IS ELEMENTS

INTERAGENCY RELATIONS see INTERINSTITUTIONAL RELATIONS

F1 829 674 400

N4 452 822 400

INTERCALATING AGENTS

D26 550 435

Agents that are capable of inserting themselves between the successive bases in DNA thus kinking, uncoiling or otherwise deforming it and therefore preventing its proper functioning used in the study of DNA. Synonyms: intercalators, intercalative compounds, intercalating ligands.

agents capable of inserting themselves between the successive bases in DNA, used in DNA studies. D25-26 qualif

80

INTERINSTITUTIONAL RELATIONS

F1 829 674 400

N4 452 822 400

The interactions between representatives of institutions, agencies, or organizations.

no qualif coord IM with specific institution, agency or organization (IM)

80

X INTERAGENCY RELATIONS

INTERNATIONAL COUNCIL OF NURSES

N3 540 828 672 463

An international professional organization composed of one association per country for the purpose of improving and developing nursing's contribution to the promotion of health and care of the sick.

only /hist /organ CATALOG use NAF entry

(80)

note term over 30 characters

see under SOCIETIES NURSING

INTERVIEWS

L1 382 440 520

Conversations with an individual held in order to obtain information includes school admission or job interviews.

for articles on how to conduct interviews, their value, behavior of participants, etc. do not use or confuse with the rubric [interview] in titles of articles (Manual 14 5 1 8) only /methods /stand /util (if by MeSH definition)

80

INTRAOPERATIVE CARE

E4 365

Patient care procedures performed during the operation that are ancillary to the actual surgery. Includes monitoring, fluid therapy, medication, transfusion, anesthesia, radiography, and laboratory tests.

during surg, only /econ /methods /psychol /stand /trends /vet, DF

INTRAOP CARE

80

X PEROPERATIVE CARE

INTRAOPERATIVE COMPLICATIONS

C23 612

Disorders affecting patients during surgery. They may or may not be related to the disease for which the surgery is done. They may or may not be direct results of the surgery.

do not use /chem ind /compl /congen /embryol /enzymol /familial /hist /immunol, for iatrogenic compl (as surg inj) or other, coord NIM with Cat E4 term (IM) with or without /adv eff depending on its relation to the intraop compl for policy apply principles of POSTOPERATIVE COMPLICATIONS, Manual 23 24+ DF INTRAOP COMPL

80

X PEROPERATIVE COMPLICATIONS

XR SURGERY, OPERATIVE

INTRAOPERATIVE PERIOD

E4 375

The period during a surgical operation.

almost never IM, no qualif, DF INTRAOP PERIOD

(80)

see under SURGERY, OPERATIVE

X PEROPERATIVE PERIOD

IS ELEMENTS see INSERTION SEQUENCE ELEMENTS

G5 331 150 510

G5 832 290 510

ISOELECTRIC FOCUSING AGENTS see AMPHOLYTE MIXTURES

D26 172 45

JAUNDICE, CHOLESTATIC, EXTRAHEPATIC see BILE DUCT OBSTRUCTION, EXTRAHEPATIC

C6 130 120 150

C6 130 450 150

C23 888 498 250 150

JAUNDICE, CHOLESTATIC, INTRAHEPATIC see CHOLESTASIS, INTRAHEPATIC

C6 130 450 250

C6 552 150

C23 888 498 250 250

JAUNDICE, OBSTRUCTIVE, EXTRAHEPATIC see BILE DUCT OBSTRUCTION, EXTRAHEPATIC

C6 130 120 150

C6 130 450 150

C23 888 498 250 150

JAUNDICE, OBSTRUCTIVE, INTRAHEPATIC see CHOLESTASIS, INTRAHEPATIC

C6 130 450 250

C6 552 150

C23 888 498 250 250

JAW CYSTS

C4 182 89 530

C5 500 470

Saccular lesions lined with epithelium and contained within pathologically formed cavities in the jaw, also nonepithelial cysts (pseudocysts) as they apply to the jaw, e.g. traumatic or solitary cyst, static bone cavity, and aneurysmal bone cyst. True jaw cysts are classified as odontogenic or nonodontogenic non neoplastic, coord IM with precoord organ/dis term (IM)

80

JAW, EDENTULOUS

C7 465 340

Use for total absence of teeth from either the mandible or maxilla, but not both. Total absence of teeth from both is MOUTH, EDENTULOUS. Partial absence of teeth in either is JAW, EDENTULOUS, PARTIALLY.

note category do not confuse with ANODONTIA (see note there), = total absence of teeth from mandible or maxilla, partial absence of teeth from mandible or maxilla = JAW, EDENTULOUS, PARTIALLY, total absence of teeth from both jaws = MOUTH, EDENTULOUS, coord IM with

MANDIBLE (NIM) or MAXILLA (NIM), only /econ /etiol /microbiol

/parasitol /pathol /physiopathol /prev /psychol /radiogr /radionuclide

/rehabil /surg /vet

80, was included in MOUTH, EDENTULOUS 1965-79

search MOUTH, EDENTULOUS 1966-79

JAW, EDENTULOUS, PARTIALLY

C7 465 360

Absence of teeth from a portion of the mandible and/or maxilla
see note above for definition coord IM with MANDIBLE (NIM) or
MAXILLA (NIM) only /econ /etiol /microbiol /parasitol /pathol
/physiopathol /prev /psychol /radiogr /radionuclide /rehabil /surg /vet
80 was included in MOUTH EDENTULOUS 1965-79
search MOUTH, EDENTULOUS 1966-79

JEJUNAL DISEASES

C6 405 469 600

inflamm dis or jejunitis coord IM with ENTERITIS (NIM)
80

JEJUNAL NEOPLASMS

C4 588 274 476 411 523 C6 405 469 600 523

/anal /blood supply /secret /ultrastruct permitted, coord IM with histol type
of neopl (IM)
80

KAOLIN-CEPHALIN COAGULATION TIME see PARTIAL

THROMBOPLASTIN TIME

E1 223 459 153 580

KETOCHOLESTEROLS

D4 808 247 222 265 450 D4 808 247 808 197 600

D10 516 851 208 650

Cholesterol substituted in any position by a keto moiety The 7-keto isomer
inhibits the 3-hydroxy-3 methylglutaryl-CoA reductase activity and inhibits
cholesterol uptake in coronary arteries and aortas in vitro

/biosyn /physiol permitted

(80)

see under CHOLESTEROL

X OXOCHOLESTEROLS

KIRSTEN SARCOMA VIRUS

B4 909 574 449 674 700 540 B4 909 777 449 674 700 540

B4 909 777 779 674 700 540

A defective murine sarcoma virus capable of transforming mouse lymphoid
cells and producing erythroid leukemia after superinfection with murine
leukemia viruses. It has also been found to transform cultured human fibroblasts,
rat liver epithelial cells, and rat adrenocortical cells

do not use /blood-csf-urine /cytol, infection coord NIM with SARCOMA,
EXPERIMENTAL (IM)

(80)

see under MOUSE SARCOMA VIRUSES

KNEE PROSTHESIS

E4 557 168 530 540

E4 659 550 540

E7 858 442 499 540

E7 858 565 600 540

Partial or total replacement of the knee joint

do not use /util except by MeSH definition

80

X ARTHROPLASTY, REPLACEMENT, KNEE

LAMBDA PHAGE see PHAGE LAMBDA

B4 123 205 545

LAMINARIA

B5 104 837 550

A genus of seaweed Dried pencil like pieces may be inserted in the cervix
where they swell as they absorb moisture, and thus dilate the cervix

do not use /anat /embryol /microbiol /parasitol, for dried Laminaria for
cervical dilat & X refs, use no qualif

(80)

see under SEAWEED

LANGUAGE DELAY see LANGUAGE DEVELOPMENT DISORDERS

C10 597 531 543

C23 888 592 531 543

F3 126 557 543

LANGUAGE DEVELOPMENT DISORDERS

C10 597 531 543

C23 888 592 531 543

F3 126 557 543

Failure to understand or speak the language at the expected age Causal factors
include slow maturation, hearing loss, brain injury, mental retardation and
emotional disorders

do not use /congen /drug eff /physiol /rad eff, do not confuse with
LANGUAGE DISORDERS, disord of use or comprehension of language
LANGUAGE DEVELOPMENT DISORDERS is 'failure to understand or
speak the language at the expected age'

(80)

see under LANGUAGE DISORDERS

X LANGUAGE DELAY

LANGUAGE THERAPY

E2 831 727 344

Rehabilitation of persons with language disorders or training of children with
language development disorders

only /econ /educ /hist /instrum /man /methods /psychol /trends, do not
confuse with SPEECH THERAPY LANGUAGE THERAPY is for
LANGUAGE DISORDERS, SPEECH THERAPY is for SPEECH
DISORDERS, coord IM with specific lang disord /ther, not /rehabil

80

X LANGUAGE TRAINING

LANGUAGE TRAINING see LANGUAGE THERAPY

E2 831 727 344

LARYNGEAL PROSTHESIS see LARYNX, ARTIFICIAL

E4 659 581

E7 858 82 601

E7 858 565 639

LARYNX, ARTIFICIAL

E4 659 581

E7 858 82 601

E7 858 565 639

A device, activated electronically or by expired pulmonary air, which simulates
laryngeal activity and enables a laryngectomized person to speak Examples
of the pneumatic mechanical device are the Tokyo and Van Hünen artificial
larynges of the electronic device, Western Electric electrolarynx, Tait oral
vibrator, Cooper-Rand electrolarynx and the Ticchioni pipe

do not use /methods /util (unless by MeSH definition)

80

X LARYNGEAL PROSTHESIS

X VOICE PROSTHESIS

XR SPEECH, ALARYNGEAL

LAUNDRY SERVICE, HOSPITAL

N2 278 354 422 428

N4 452 442 422 428

Hospital department which administers all activities pertaining to the hospital
laundry service

only /econ /legis /man /organ /stand /trends /util

80

X HOSPITAL LAUNDRY SERVICE

LECITHINASE A1 see PHOSPHOLIPASES A

D8 586 277 352 100 680 750

LECITHINASE A2 see PHOSPHOLIPASES A

D8 586 277 352 100 680 750

LECITHINASE B see LYSOPHOSPHOLIPASE

D8 586 277 352 100 680 510

LECITHINASE C see PHOSPHOLIPASE C

D8 586 277 352 100 680 700

LECITHINASE D see PHOSPHOLIPASE D

D8 586 277 352 100 680 720

LETS PROTEINS see FIBRONECTINS

D12 776 377 715 390

D12 776 395 350

D12 776 543 350

LEUKEMIA L5178

C4 557 337 372 602

C4 619 531 602

An experimental lymphocytic leukemia of mice

do not use /vet

(80)

see under LEUKEMIA, EXPERIMENTAL

X LYMPHOMA L5178

LEUKEMIA P388

C4 557 337 372 782

C4 619 531 782

An experimental lymphocytic leukemia originally induced in DBA/2 mice by
painting with methylcholanthrene

do not use /vet

(80)

see under LEUKEMIA, EXPERIMENTAL

LEUKOCYTE MIGRATION INHIBITORY FACTORS

D24 611 632 428

Protein factor(s) released by sensitized lymphocytes (and possibly other cells)
that inhibit the movement of leukocytes, especially polymorphonuclear cells,
away from its site of release, assays for these are used as tests for cellular
immunity, they are Leukocyte Migration Capillary Tube Technic (LMCT)
and Leukocyte Migration Agarose Technic (LMAT)

/biosyn /physiol permitted, do not use /analogs /defic, also called LIF, DF
LMIF

(80)

note term over 30 characters

see under LYMPHOKINES

X MIGRATION INHIBITION FACTORS, LEUKOCYTE

LEVEL OF HEALTH see HEALTH STATUS
N1 407 540 280

LIPANTHYL see PROCETOFEN
D2 241 81 751 650 D10 162 700

LIPID BILAYERS

D10 516 570 510 H1 181 529 530 510

Layers of lipid molecules which are two molecules thick Bilayer systems are frequently studied as models of biological membranes

do not use /analog /biosyn /defic /physiol /secret, coord IM with specific lipid (IM or NIM)

80

X BILAYERS, LIPID

LIPID PEROXIDES

D1 655 498 631 400 D10 516 440

Peroxides produced in the presence of a free radical by the oxidation of unsaturated fatty acids in the cell in the presence of molecular oxygen The formation of lipid peroxides results in the destruction of the original lipid leading to the loss of integrity of the membranes They therefore cause a variety of toxic effects in vivo and their formation is considered a pathological process in biological systems Their formation can be inhibited by antioxidants, such as vitamin E, structural separation or low oxygen tension

do not use /analog

80

LIPOLYSIS

G6 535 590

The hydrolysis of lipids

only /drug eff /rad eff

80

LIPOPROTEIN LIPASE DEFICIENCY, FAMILIAL

C18 452 648 556 481 552

A rare familial condition characterized by massive chylomicronemia and decreased levels of other lipoproteins, due to deficiency of lipoprotein lipase, an alkaline triglyceride hydrolase which catalyzes an important step in the extrahepatic removal of triglyceride-rich lipoproteins from the blood

(80), HYPERLIPOPROTEINEMIA was see HYPERLIPEMIA 1975-79, HYPERLIPEMIA, ESSENTIAL FAMILIAL was heading 1963-79 (see note under HYPERLIPIDEMIA for former cross refs to it)

note term over 30 characters, search HYPERLIPOPROTEINEMIA under HYPERLIPIDEMIA 1975-79, search HYPERLIPEMIA, ESSENTIAL FAMILIAL under HYPERLIPIDEMIA /FG 1966-79

see under HYPERLIPOPROTEINEMIA

X HYPERCHYLOMICRONEMIA, FAMILIAL

X HYPERLIPOPROTEINEMIA TYPE 1

LIPOPROTEIN-X

D10 516 532 400 D12 776 521 450

An abnormal lipoprotein which is present in large amounts in individuals suffering from obstructive liver diseases It exists as a bilayer vesicle of equimolar phospholipids and unesterified cholesterol containing small amounts of plasma proteins (mainly albumin) in its internal aqueous compartment together with some apolipoproteins adsorbed on its surface Separates with LDL by ultracentrifugation

/biosyn /physiol permitted

80

X LP-X

LOW CARDIAC OUTPUT

see CARDIAC OUTPUT, LOW

C14 280 148

LOWER BODY NEGATIVE PRESSURE

E5 245 570

External decompression applied to the lower body Used to study orthostatic intolerance, produce simulated hemorrhage in physiologic research, assess cardiovascular function, and reduce abdominal stress during childbirth

'external decompression applied to the lower body', used in physiologic research & ther, only /adv eff /instrum /methods /util (if by MeSH definition) /vet (80)

see under DECOMPRESSION

X ABDOMINAL DECOMPRESSION

X DECOMPRESSION, ABDOMINAL

LP-X

see LIPOPROTEIN-X

D10 516 532 400 D12 776 521 450

LUMICOLCHICINES

D3 132 225 500

N-(5,6,7,7b,8,10a-Hexahydro-1,2,3,9-Tetramethoxy- 8-oxobenzo(A) cyclopenta(3,4)cyclobuta(1,2-c)cyclopenten- 7-ylacetamide Threo, alpha, beta, and gamma isomers of ultraviolet degradation products of colchicine that lack many of the physiological actions of the parent, used as experimental control for colchicine actions

do not use /analog /defic /physiol /biosyn permitted if by plant (80)

see under COLCHICINE

LYMPHANGIOLEIOMYOMA

see LYMPHANGIOMYOMA

C4 557 690 660 C15 604 515 562

LYMPHANGIOMYOMA

C4 557 690 660 C15 604 515 562

A tumorlike condition characterized by smooth muscle and endothelium proliferation of lymphatic vessels and lymph nodes in the mediastinum and retroperitoneum, also in the lung May be manifested by chylous pleural effusion and ascites

/anal /blood supply /secret /ultrastruct permitted, coord IM with precoord organ/neopl term (IM)

(80)

see under LYMPHOPROLIFERATIVE DISORDERS

X LYMPHANGIOLEIOMYOMA

LYMPHOMA L5178

see LEUKEMIA L5178

C4 557 337 372 602 C4 619 531 602

LYMPHOMATOID GRANULOMATOSIS

C4 834 567 C15 604 515 571

C23 484 567

An angiocentric and angiodestructive lymphoreticular proliferative disorder primarily involving the lungs Histologically it simulates malignant lymphoma and in some cases may progress to lymphoma

/anal /blood supply /secret /ultrastruct permitted if non-neopl coord IM with precoord organ/dis term (IM), if neopl, coord IM with precoord organ/neopl term (IM)

80

X GRANULOMATOSIS, LYMPHOMATOID

LYSOLECITHINASE

see LYSOPHOSPHOLIPASE

D8 586 277 352 100 680 510

LYSOPHOSPHOLIPASE

D8 586 277 352 100 680 510

Lysolecithin acylhydrolase Catalyzes the hydrolysis of a single fatty acid ester bond in lysoglycerophosphatidates with the formation of glyceryl phosphatidates and a fatty acid EC 3 1 1 5

do not use /analog

(80)

see under PHOSPHOLIPASES

X LECITHINASE B

X LYSOLECITHINASE

X PHOSPHOLIPASE B

MACROPHAGE CHEMOTACTIC FACTORS

see CHEMOTACTIC FACTORS, MACROPHAGE

D24 185 125 585

MACROPHAGE CHEMOTAXINS

see CHEMOTACTIC FACTORS, MACROPHAGE

D24 185 125 585

MAMMARY DYSPLASIA

see FIBROCYSTIC DISEASE OF BREAST

C4 182 289 C19 146 378

MANDIBULAR RIDGE AUGMENTATION

see ALVEOLAR RIDGE AUGMENTATION

E4 833 800 100 E6 892 800 100

MARKER, GENETIC

see GENETIC MARKER

G5 735 450

MASS MEDIA

L1 178 590

Instruments or technological means of communication that reach large numbers of people with a common message press, radio, television, etc

IM with general reference to NEWSPAPERS, PERIODICALS, RADIO, TELEVISION, MOTION PICTURES, etc as mass media, do not use as routine coord with the specific coord only when specific is discussed as a mass medium, as 'magazines as mass media', only /class /hist /man /stand /uti (if by MeSH definition)

80

MASSETER MUSCLE

A2 633 560 630

A masticatory muscle whose action is closing the jaws (80)

see under MASTICATORY MUSCLES

MASTITIS, CYSTIC see FIBROCYSTIC DISEASE OF BREAST

C4 182 289

C19 146 378

MAXILLARY RIDGE AUGMENTATION see ALVEOLAR RIDGE AUGMENTATION

E4 833 800 100

E6 892 800 100

MEDICAL CARE RESEARCH see HEALTH SERVICES RESEARCH

N3 349 380

MEDICAL CENTERS, ACADEMIC see ACADEMIC MEDICAL CENTERS

N2 278 20

MEDICAL CENTERS, UNIVERSITY see ACADEMIC MEDICAL CENTERS

N2 278 20

MEDICAL OFFICE BUILDINGS

N2 278 562

Office and laboratory facilities constructed for the use of physicians and other health personnel

only /class /econ /hist /legis /organ /stand /supply /trends /util (80)

see under HEALTH FACILITIES

MEN

M1 390

Human adult males As cultural, psychological, sociological, political, and economic entity

for men only as a cultural, social, sociol, polit, economic force do not confuse with MALE for disease, organs, physiol, genetics, etc, only /educ /psychol check tags HUMAN & MALE, Manual 18 9 6, 34 18 do not use for mankind see note on Man under PRIMATES

80

MEPTAZINOL

D3 383 66 400

D14 73 588

D14 712 588

m-(3-Ethyl-1-methylhexahydro-1H-azepin-3-yl)phenol Narcotic antagonist with analgesic properties, proposed for severe pain Synonym WY 22811

do not use /biosyn /defic /physiol, /analogs NIM only (80)

see under AZEPINES

MESENTERIC DUODENAL COMPRESSION SYNDROME see SUPERIOR MESENTERIC ARTERY SYNDROME

C6 405 469 275 395 890

METHOXYDIMETHYLTRYPTAMINE

D3 438 473 914 237 150 500

D3 438 473 914 814 150 500

D15 236 372 317 592

D16 538 852 592

5-Methoxy-N,N-dimethyltryptamine Potent serotonergic hallucinogen found in several unrelated plants, skins of certain toads and in mammalian brains possibly involved in the etiology of schizophrenia Synonyms N,N-dimethyl-5-methoxytryptamine, O-methylbufotenine

/biosyn /physiol permitted

(80)

see under SEROTONIN

X METHYLBUFOTENIN

METHYLBUFOTENIN see METHOXYDIMETHYLTRYPTAMINE

D3 438 473 914 237 150 500

D3 438 473 914 814 150 500

D15 236 372 317 592

D16 538 852 592

METHYLDINOPROST see CARBOPROST

D2 241 81 436 687 700 75

D7 131 100 200

D10 516 251 355 708 700 75

D24 185 798 575 750 800 75

METHYLDINOPROSTONE see ARBAPROSTIL

D2 241 81 436 687 700 75

D10 516 251 355 708 700 75

D19 316 203 69

D24 185 798 575 750 800 69

METHYLPREDNISOLONE SUCCINATE

D4 808 745 432 769 795 550

D6 597 481 561 353 744 635

D6 597 481 561 478 702 635

11-beta 17-alpha 21-Trihydroxy-6 alpha-methyl 14-pregnadiene-3,20-dione 21 succinate sodium salt Water soluble salt of 6 alpha-methylprednisolone a fast acting glucocorticoid used for cardiac, allergic and hypoxic emergencies Synonyms SoluMedrol Urbason Soluble, 6-alpha-methylprednisolone sodium hemisuccinate

do not use /biosyn /defic /physiol (80)

see under METHYLPREDNISOLONE

METHYLPROMETHAZINE see THIAZINAMIUM

D3 494 741 670 900

D16 653 895

D23 654 432 741 895

15-METHYLPROSTAGLANDIN E2 see ARBAPROSTIL

D2 241 81 436 687 700 30

D10 516 251 355 708 700 30

D19 316 203 69

D24 185 798 575 750 600 69

15-METHYLPROSTAGLANDIN E2 METHYL ESTER see ARBAPROSTIL

D2 241 81 436 687 700 30

D10 516 251 355 708 700 30

D19 316 203 69

D24 185 798 575 750 600 69

15-METHYLPROSTAGLANDIN F2ALPHA see CARBOPROST

D2 241 81 436 687 700 75

D7 131 100 200

D10 516 251 355 708 700 75

D24 185 798 575 750 800 75

15-METHYLPROSTAGLANDIN F2ALPHA METHYL ESTER see CARBOPROST

D2 241 81 436 687 700 75

D7 131 100 200

D10 516 251 355 708 700 75

D24 185 798 575 750 800 75

MIBOLERONE

D4 808 365 415 638 500

D6 597 100 194 590 500

17 beta-Hydroxy 7 alpha,17-dimethylestr-4-en 3-one A synthetic androgen which prevents estrus in animals also prevents experimental lymphoid leuko Synonym U-10997

do not use /biosyn /defic /physiol (80)

see under NANDROLONE

X 17,17-DIMETHYL-19-NORTESTOSTERONE

MICROCOMPUTERS

L1 382 119 550

Small computers using LSI (large-scale integration) microprocessor chips as the CPU (central processing unit) and semiconductor memories for compact, inexpensive storage of program instructions and data They are smaller and less expensive than minicomputers and are usually built into a dedicated system where they are optimized for a particular application 'Microprocessor' may refer to just the CPU or the entire microcomputer

only /class /hist /stand /supply do not confuse with MINICOMPUTERS (80)

see under COMPUTERS

X MICROPROCESSORS

MICROPROCESSORS see MICROCOMPUTERS

L1 382 119 550

MICROSURGICAL REVASCLARIZATION, CEREBRAL see CEREBRAL REVASCLARIZATION

E4 494 150

E4 752 814 300

MIGRATION INHIBITION FACTORS, LEUKOCYTE see LEUKOCYTE MIGRATION INHIBITORY FACTORS

D24 611 632 428

MINICOMPUTERS

L1 382 119 580

Small computers that lack the speed, memory capacity, and instructional capability of the full-size computer but usually retain its programmable flexibility They are larger, faster, and more flexible, powerful, and expensive than microcomputers

only /class /hist /stand /supply, do not confuse with MICROCOMPUTERS (80)

see under COMPUTERS

MITOGEN RECEPTORS see RECEPTORS, MITOGEN

D24 611 834 880

G4 610 834 880

G6 184 154 834 880

MIXED GONADAL DYSGENESIS see GONADAL DYSGENESIS, MIXED

C16 131 280 748 391

C16 131 939 842 309 391

C19 391 391

MODELS, CARDIOVASCULAR

H1 770 461 395 161

Theoretical representations that simulate the behavior or activity of the cardiovascular system, processes, or phenomena, includes the use of mathematical equations, computers and other electronic equipment
no qualif, apply TN 128 for relation to MODELS, THEORETICAL
80

MODELS, GENETIC

G5 621

H1 770 461 395 397

Theoretical representations that simulate the behavior or activity of genetic processes or phenomena, includes the use of mathematical equations, computers and other electronic equipment
no qualif, apply TN 128 for relation to MODELS, THEORETICAL, DF
MODELS GENET
80

MOLECULAR CLONING see CLONING, MOLECULAR

E5 393 220

G5 331 120

MORULA

A16 254 270 550

The early embryo at the developmental stage in which the blastomeres, resulting from repeated mitotic divisions of the fertilized ovum, form a compact mass
A 11 qualif
(80)
see under CLEAVAGE STAGE, OVUM

MU 1 PHAGE see PHAGE MU 1

B4 123 205 610

MULTIHOSPITAL SYSTEMS see MULTI-INSTITUTIONAL SYSTEMS

N4 452 540

MULTI-INSTITUTIONAL SYSTEMS

N4 452 540

Institutional systems consisting of more than one health facility which have cooperative administrative arrangements through merger, affiliation, shared services, or other collective ventures
only /class /econ /hist /legis /man /organ /stand /supply /trends /util
CATALOG /geog /form
80

X MULTIHOSPITAL SYSTEMS

MUSCLE, SMOOTH, VASCULAR

A10 690 467 491

The nonstriated, involuntary muscle tissue of blood vessels
do not use /abnorm /growth /inj /innerv, coord IM with specific vein or artery (NIM & then only if pertinent)
80

MUZOLIMINE

D3 383 694 550

D19 770 224 680

3-Amino-1-(3,4-dichloro-alpha methylbenzyl)-2-pyrazolin-5-one Pyrazole diuretic with long duration and high capacity of action, proposed for kidney failure and hypertension
do not use /biosyn /defic /physiol, /analogs NIM only
(80)

see under PYRAZOLES

X BAY G 2821

MYCOPLASMA PNEUMONIA see PNEUMONIA, MYCOPLASMA

C1 252 610 620 760

C8 381 677 650

C8 730 610 500

MYCOPLASMA PNEUMONIAE

B3 600 580 553 553 650

Short filamentous organism of the genus Mycoplasma, which binds firmly to the cells of the respiratory epithelium, the etiologic agent of non-viral primary atypical pneumonia in man
do not use /blood-csf-urine, do not confuse with MYCOPLASMA PNEUMONIA, the dis, infection = PNEUMONIA, MYCOPLASMA
80

MYOCARDIAL STIMULANTS see CARDIOTONIC AGENTS

D18 222

NADH CYTOCHROME C REDUCTASE see NADH DEHYDROGENASE

D8 586 682 608 191 475

NADH DEHYDROGENASE

D8 586 682 608 191 475

NADH (acceptor) oxidoreductase A flavoprotein containing iron Cytochrome c may act as receptor Catalyzes the oxidation of NADH to NAD and reduced acceptor EC 1 6 99 3 Formerly EC 1 6 2 1

do not use /analogs, do not confuse with NADPH DEHYDROGENASE, do not confuse X ref NADH CYTOCHROME C REDUCTASE with NADPH CYTOCHROME C REDUCTASE
(80)

see under CYTOCHROME REDUCTASES

X CYTOCHROME C REDUCTASE

X NADH CYTOCHROME C REDUCTASE

NARCOTIC ADDICTION

F3 709 597 285 665

Strong dependence, both physiological and emotional, upon any derivative, synthetic or natural, of opium, or any substance that has the same pharmacologic effects

GEN or unspecified, restrict to only those narcotics indented under NARCOTICS (Cat D14), coord IM with specific narcotic (IM) but MORPHINE ADDICTION & HEROIN ADDICTION are also available, X ref OPIATE ADDICTION does not mean 'opium' it refers to syn or nat opium deriv & other substances with similar eff, do not use /chem ind /drug eff /educ /instrum /physiol /rad eff
80

X OPIATE ADDICTION

NASAL PROVOCATION TESTS

E1 276 660

Application of allergens to the nasal mucosa Interpretation includes observation of nasal symptoms, rhinoscopy, and rhinomanometry Used in diagnosis of nasal hypersensitivity, including hay fever

diag of nasal allergy, only /instrum /methods, DF NP TESTS

80

X PROVOCATION TESTS, NASAL

NATIONAL ACADEMY OF SCIENCES

N3 540 608

A United States organization of distinguished scientists and engineers established for the purpose of investigating and reporting upon any subject of art or science as requested by any department of government The National Research Council organized by NAS serves as the principal operating agency to stimulate and support research

only /hist /organ, add UNITED STATES (NIM), research support by NATIONAL ACADEMY OF SCIENCE or NATIONAL RESEARCH COUNCIL is not checked as GOVT SUP CATALOG use NAF entry
(80)

see under ORGANIZATIONS

X NATIONAL RESEARCH COUNCIL

NATIONAL COUNCIL ON HEALTH PLANNING AND DEVELOPMENT see HEALTH PLANNING COUNCILS

N3 540 452 210

NATIONAL HEALTH PLANNING INFORMATION CENTER

N3 540 427 300 425 600 520

A center in the Health Resources Administration Division of Planning Methods and Technology which provides access to current information on health planning and resources development

only /hist /organ, add UNITED STATES (NIM)
(80)

note term over 30 characters

see under UNITED STATES HEALTH RESOURCES ADMINISTRATION

X NHPIC

NATIONAL HEALTH POLICY see HEALTH POLICY

I1 880 604 710 608 400

N3 706 710 608 428

NATIONAL RESEARCH COUNCIL see NATIONAL ACADEMY OF SCIENCES

N3 540 608

NEOVASCULARIZATION

G7 553 702

G9 330 850

Formation of new blood vessels, especially capillaries

only /drug eff /rad eff, do not confuse with COLLATERAL CIRCULATION neovasc is formation of new blood vessels, collat circ is circ through secondary channels after obstruct of principal vessel supplying a part
80

X ANGIOGENESIS

NEPHROLOGY

G2 403 776 409 752

A subspecialty of internal medicine concerned with the anatomy, physiology and pathology of the kidney

SPEC, SPEC qualif CATALOG use with form qualif instead of KIDNEY /form or KIDNEY DISEASES /form
80

NERVOUS SYSTEM NEOPLASMS

C4 588 614

GEN prefer specific precod, do not confuse with NEOPLASMS, NERVOUS TISSUE (neopl composed of nerve tissue, TN 135), /anal /blood supply /secret /ultrastruct permitted, coord IM with histol type of neopl (IM) 80, was NON MESH before 1980

NEVOID BASAL CELL CARCINOMA SYNDROME see BASAL CELL NEVUS SYNDROME

C4 182 89 530 690 150 C4 557 117 110 150
C5 500 470 690 150 C16 131 77 130

NHPIC see NATIONAL HEALTH PLANNING INFORMATION CENTER

N3 540 427 300 425 600 520

NUCLEIC ACID HETERODUPLEXES

D13 444 500

Double-stranded nucleic acid molecules (DNA-DNA or DNA-RNA) which contain regions of nucleotide mismatches (non-complementary) In vivo, these heteroduplexes can result from mutation of genetic recombination, in vitro, they are formed by nucleic acid hybridization Electron microscopic analysis of the resulting heteroduplexes facilitates the mapping of regions of base sequence homology of nucleic acids

IM, coord with DNA or RNA or both (IM), do not use /analogs /defic
80

X HETERODUPLEXES, NUCLEIC ACID

NUCLEOLAR ORGANIZER see NUCLEOLUS ORGANIZER REGION

A11 223 475 658 G5 275 658

NUCLEOLUS ORGANIZER REGION

A11 223 475 658 G5 275 658

The chromosome region which is active in nucleolus formation and which functions in the synthesis of ribosomal RNA

A 11 qualif except /cytol

80

X NUCLEOLAR ORGANIZER

NUCLEOSIDE Q

D13 570 583 454 500 D13 570 800 453 500

7-(4,5-cis-Dihydroxy-1-cyclopenten-3-ylaminomethyl)-7-deazaguanosine A modified nucleoside which is present in the first position of the anticodon of tRNA-tyrosine, tRNA-histidine, tRNA-asparagine and tRNA-aspartic acid of many organisms It is believed to play a role in the regulatory function of tRNA Nucleoside Q can be further modified to nucleoside Q*, which has a mannose or galactose moiety linked to position 4 of its cyclopentenediol moiety

/biosyn /physiol permitted

(80)

see under GUANOSINE

NUCLEOSOMES

A11 223 349 625 D12 776 664 224 550

The repeating structural units of chromatin, each consisting of approximately 200 base pairs of DNA wound around a protein core This core is composed of the histones H2A, H2B, H3, and H4

A 11 qualif except /cytol

80

NURSING PROCESS

N4 590 233 508

The sum total of nursing activities which includes assessment (identifying needs), intervention (ministering to needs), and evaluation (validating the effectiveness of the help given)

'total of nursing care activities', do not confuse with NURSING (the profession), NURSING CARE (the patient), NURSING SERVICES, only /econ /legis /man /organ /stand /trends

80

XU NURSING ASSESSMENT

OFFICE SURGERY see AMBULATORY SURGERY

E4 30

ONDINE'S CURSE see SLEEP APNEA SYNDROMES

C8 618 85 852

OPIATE ADDICTION see NARCOTIC ADDICTION

F3 709 597 285 665

OUTPATIENT SURGERY see AMBULATORY SURGERY

E4 30

OUTPATIENTS

M1 643 630

Persons who receive ambulatory care at an outpatient department or clinic without room and board being provided

only /psychol, outpatients as people or as a social, sociol, psychol, etc , group, do not confuse the outpatient with the care given him (= AMBULATORY CARE)

(80), was see AMBULATORY CARE 1978-79

search AMBULATORY CARE 1978-79

see under PATIENTS

OXOCHOLESTEROLS see KETOCHOLESTEROLS

D4 808 247 222 265 450 D4 808 247 808 197 600
D10 516 851 208 650

PAAG see PREGNANCY ZONE PROTEINS

D6 472 785 760 D12 776 780 760

PANCREATIC FUNCTION TESTS

E1 184 670

Tests based on the biochemistry and physiology of the exocrine pancreas and involving analysis of blood, duodenal contents, feces, or urine for products of pancreatic secretion

only /instrum /methods /vet

80

PAPP-A see PREGNANCY-ASSOCIATED ALPHA PLASMA PROTEIN

D6 472 785 700 D12 776 780 700

PAPP-B see PREGNANCY-ASSOCIATED BETA PLASMA PROTEIN

D6 472 785 710 D12 776 780 710

PAPP-C see PREGNANCY-SPECIFIC BETA 1-GLYCOPROTEIN

D6 472 759 730 D6 472 785 730
D12 776 780 730

PARANEOPLASTIC SYNDROMES

C4 730

In patients with neoplastic diseases a wide variety of clinical pictures which are indirect and usually remote effects produced by tumor cell metabolites or other products

do not use /anal /blood supply /secret /ultrastruct

80

PARASITE-HOST RELATIONS see HOST-PARASITE RELATIONS

G4 185 410

PARASYMPATHETIC GANGLIA see GANGLIA, PARASYMPATHETIC

A8 99 370 405 A8 99 698 405
A8 340 315 405

PAROTID DISEASES

C7 465 815 470

inflamm dis = PAROTITIS

80

PARTIAL THROMBOPLASTIN TIME

E1 223 459 153 580

Test of the intrinsic (factors VIII, IX, XI, and XII) and common (fibrinogen, prothrombin, factors V and X) pathways of coagulation in which a mixture of plasma and phospholipid platelet substitute (e.g., crude cephalins, soybean phosphatides) is recalcified and the time required for the appearance of fibrin strands measured Activation may be provided by contact with the glass tube or exposure to activators (e.g., ellagic acid, particulate silicates such as diatomaceous earth or kaolin) before addition of the calcium chloride Used as a screening test and to monitor heparin therapy Synonyms PTT, APTT NIM, only /vet

(80)

see under BLOOD COAGULATION TESTS

X ACTIVATED PARTIAL THROMBOPLASTIN TIME

X CEPHALIN-KAOLIN COAGULATION TIME

X KAOLIN-CEPHALIN COAGULATION TIME

X THROMBOPLASTIN TIME, PARTIAL

PATHOLOGY, CLINICAL

G2 403 790 480 522

A subspecialty of pathology which deals with the laboratory analysis of specimens of human blood and other fluids

SPEC only SPEC qualif, spec dealing with lab anal of human blood & other specimens, do not use as NIM coord use /pathol with organs & diseases Manual 19 5+

80

PATIENTS' ROOMS

N2 278 220 640

Rooms occupied by one or more individuals during a stay in a health facility, includes aspects of environment, design, care or economics

do not use /educ /man /methods /organ /supply /util (except by MeSH definition)

(80)

see under HEALTH FACILITIES

X PRIVATE ROOMS

X ROOMS, PATIENT

X SEMI-PRIVATE ROOMS

X WARDS, PATIENT

PENTOXYL

D3 383 742 698 875 700

5-Hydroxymethyl-6-methyl- 2,4-(1H,3H)-pyrimidinedione Uracil derivative used in combination with toxic antibiotics to lessen their toxicity, also to stimulate leukopoiesis and immunity Synonyms pentoxsil, hydroxymethylmethyluracil

do not use /biosyn /defic /physiol

(80)

see under URACIL

PERIAPICAL DISEASES

C7 465 690

Diseases of the periapical tissue

inflamm dis = PERIAPICAL PERIODONTITIS

80

PERIAPICAL PERIODONTITIS

C7 465 690 700

Inflammation of the periapical tissue Use for general, unspecified, or acute nonsuppurative inflammation Chronic nonsuppurative inflammation is PERIAPICAL GRANULOMA Suppurative inflammation is PERIAPICAL ABSCESS

GEN, unspecified or acute nonsuppurative chronic nonsuppur = PERIAPICAL GRANULOMA, suppur = PERIAPICAL ABSCESS

80

X PERIODONTITIS, APICAL

PERIODONTITIS, APICAL see PERIAPICAL PERIODONTITIS

C7 465 690 700

PEROPERATIVE CARE see INTRAOPERATIVE CARE

E4 365

PEROPERATIVE COMPLICATIONS see INTRAOPERATIVE COMPLICATIONS

C23 612

PEROPERATIVE PERIOD see INTRAOPERATIVE PERIOD

E4 375

PERSISTENT FETAL CIRCULATION SYNDROME

C14 907 489 531 694

C16 614 694

A syndrome of persistent pulmonary hypertension in the newborn infant, without demonstrable cardiac disease, characterized by cyanosis and acidosis, severe pulmonary vasoconstriction, hypertrophy of pulmonary arterial muscle, and elevated pulmonary vascular resistance, with resultant right-to-left shunting of blood through a patent ductus arteriosus and at times a patent foramen ovale

do not use /congen, check the tags HUMAN & INFANT, NEWBORN, DF PFC SYNDROME

80

note term over 30 characters

X FETAL CIRCULATION, PERSISTENT

PHAGE LAMBDA

B4 123 205 545

A temperate inducible phage whose natural host is E Coli K12 Its virion contains linear double-stranded DNA, except for 12 complementary bases at the 5' terminus of the polynucleotide chains The DNA circularizes on infection do not use /cytol

80, BACTERIOPHAGE LAMBDA & LAMBDA PHAGE were see COLIPHAGES 1975-79

to search BACTERIOPHAGE LAMBDA & LAMBDA PHAGE use PHAGE LAMBDA back thru 1980 & COLIPHAGES 1975-79

X BACTERIOPHAGE LAMBDA

X COLIPHAGE LAMBDA

X LAMBDA PHAGE

PHAGE MU 1

B4 123 205 610

A temperate coliphage composed of a linear double-stranded molecule of DNA, which is able to insert itself at random at any point on the host chromosome, frequently causing a mutation by interrupting the continuity of the bacterial operon at the site of insertion

do not use /cytol, do not confuse with PHAGE MU 2, an RNA phage

80

X BACTERIOPHAGE MU 1

X COLIPHAGE MU 1

X MU 1 PHAGE

PHAGE MU 2 see RNA PHAGES

B4 123 691

PHAGE PHI X 174

B4 123 205 690

The prototype of the small virulent DNA coliphages, composed of a single strand of supercoiled circular DNA, which on infection, is converted to a double-stranded replicative form by a host enzyme

do not use /cytol

80

X BACTERIOPHAGE PHI X 174

X COLIPHAGE PHI X 174

X PHI X 174

PHAGES, RNA see RNA PHAGES

B4 123 691

PHAGES T see T-PHAGES

B4 123 205 891

PHARMACOLOGY, CLINICAL

G1 703 152

The branch of pharmacology that deals directly with the effectiveness and safety of drugs in humans

SPEC SPEC qualif, do not use as NIM coord the pharmacol of a drug or chem in humans = Cat D term with /pharm + HUMAN, not PHARMACOLOGY, CLINICAL

80

X CLINICAL PHARMACOLOGY

PHENYLGLYOXAL

D2 47 644 620

D8 373 725

D26 550 642

alpha-Oxo-benzeneacetaldehyde A reagent which is highly selective for the modification of arginyl residues It is used to selectively inhibit various enzymes and acts as an energy transfer inhibitor in photophosphorylation

do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under ALDEHYDES

PHI X 174 see PHAGE PHI X 174

B4 123 205 690

PHOSPHOENOLPYRUVATE HEXOSE PHOSPHOTRANSFERASES see PHOSPHOENOLPYRUVATE SUGAR PHOSPHOTRANSFERASE SYSTEM

D8 586 600 700

D8 586 913 696 580

PHOSPHOENOLPYRUVATE SUGAR PHOSPHOTRANSFERASE SYSTEM

D8 586 600 700 D8 586 913 696 580

The bacterial sugar phosphotransferase system (PTS) catalyzes the transfer of the phosphoryl group from phosphoenolpyruvate to its sugar substrates (the PTS sugars) concomitant with the translocation of these sugars across the bacterial membrane. The phosphorylation of a given sugar requires four proteins, two general proteins, Enzyme I and HPr and a pair of sugar specific proteins designated as the Enzyme II complex. The PTS has also been implicated in the induction of synthesis of some catabolic enzyme systems required for the utilization of sugars that are not substrates of the PTS as well as the regulation of the activity of adenylate cyclase EC 2.7.1 -

do not use /analogs DF PEPPTS

80

note term over 30 characters

X PHOSPHOENOLPYRUVATE HEXOSE PHOSPHOTRANSFERASES
XU LACTOSE PHOSPHOTRANSFERASE

3-PHOSPHOGLYCERALDEHYDE see GLYCERALDEHYDE 3-PHOSPHATE

D2 47 587 450 D9 203 546 894 449 450

PHOSPHOLIPASE A1 see PHOSPHOLIPASES A

D8 586 277 352 100 680 750

PHOSPHOLIPASE A2 see PHOSPHOLIPASES A

D8 586 277 352 100 680 750

PHOSPHOLIPASE B see LYSOPHOSPHOLIPASE

D8 586 277 352 100 680 510

PHOSPHOLIPASE C

D8 586 277 352 100 680 700

An enzyme found in the alpha toxin of *Clostridium welchii* and other strains of clostridia and bacilli. It hydrolyzes glycerophosphatidates with the formation of 1,2-diacylglycerol and a phosphorylated nitrogenous base such as choline EC 3.1.4.3

do not use /analogs

(80)

see under PHOSPHOLIPASES

X ALPHA-TOXIN
X LECITHINASE C

PHOSPHOLIPASE D

D8 586 277 352 100 680 720

An enzyme found mostly in plant tissue. It hydrolyzes glycerophosphatidates with the formation of a phosphatidic acid and a nitrogenous base such as choline. Also catalyzes transphosphatidyl transfer reactions EC 3.1.4.4

do not use /analogs

(80)

see under PHOSPHOLIPASES

X LECITHINASE D

PHOSPHOLIPASES A

D8 586 277 352 100 680 750

Phosphatidyl acylhydrolases. Catalyze the hydrolysis of one of the acyl groups of phosphoglycerides or glycerophosphatidates. Phospholipase A1 hydrolyzes the acyl group attached to the 1-position (EC 3.1.1.32) and phospholipase A2 hydrolyzes the acyl group attached to the 2-position (EC 3.1.1.4)

do not use /analogs

(80)

see under PHOSPHOLIPASES

X LECITHINASE A1
X LECITHINASE A2
X PHOSPHOLIPASE A1
X PHOSPHOLIPASE A2

PHOSPHOSERINE

D2 705 679 D12 125 837 800

DL-Serine, dihydrogen phosphate. The phosphoric acid ester of serine. Used as an identifier in the analysis of peptides, proteins and enzymes

do not use /biosyn /defic /physiol

(80)

see under SERINE

X SERINE PHOSPHATE

PHOSPHOTHREONINE

D2 705 683 D12 125 901 800

L-Threonine, dihydrogen phosphate. The phosphoric acid ester of threonine. Used as an identifier in the analysis of peptides, proteins and enzymes

do not use /biosyn /defic /physiol

(80)

see under THREONINE

X THREONINE PHOSPHATE

PHYSICIANS' OFFICES

N2 278 692

The room or rooms in which the physician and his staff provide patient health care, includes all rooms in the physician's office suite

only /class /econ /hist /legis /organ /stand /supply /trends /util (if by MeSH definition), restrict to physical office includes reception rooms, examining rooms, treatment rooms, office, labs, etc not for articles with title reading, e.g., 'office assessment of nutrition disorder' or 'office use of microscopes in otology'

(80)

see under HEALTH FACILITIES

PICORNAVIRUS INFECTIONS

C2 782 687

80, was NON MESH before 1980

PILI, BACTERIAL

A11 368 702 679

G4 185 515 679

G5 386 679

Thin, hairlike appendages, 1 to 20 microns in length, present on the cells of Gram-negative bacteria, particularly Enterobacteriaceae and Neisseria. Unlike flagella, they do not confer motility, but being protein (pilin) in nature, they possess antigenic and haemagglutinating properties. They are of two types 'common' pili and sex or F pili. The common pili are of medical importance because they mediate the attachment of bacteria to cells, sex pili are present only on donor bacteria and are the organs associated with genetic transfer

A 11 qualif except /cytol

80

X BACTERIAL PILI
X FIMBRIAE, BACTERIAL

PITCH PERCEPTION

F2 463 593 71 700

A dimension of auditory sensation varying with cycles per second of the sound stimulus

only /drug eff /physiol

80

PLACENTAL PROTEINS see PREGNANCY PROTEINS

D6 472 785

D12 776 780

PLANNING TECHNICS

N4 452 718

Procedures, strategies, and theories of planning

NIM, no qualif

80

X PLANNING THEORIES

PLANNING THEORIES see PLANNING TECHNICS

N4 452 718

PLAQUE THERAPY, RADIOISOTOPE see BRACHYTHERAPY

E2 810 150

PLATELET COUNT

E1 223 459 107 700

E1 223 459 770 790

G7 380 107 740

NIM, only /instrum /methods /vet

80

X BLOOD PLATELET COUNT
X BLOOD PLATELET NUMBER
X PLATELET NUMBER
XR BLOOD PLATELETS

PLATELET FUNCTION TESTS

E1 223 459 770

NIM, only /instrum /methods /vet

80

XU BLEEDING TIME
XR BLOOD PLATELETS

PLATELET NUMBER see PLATELET COUNT

E1 223 459 107 700

E1 223 459 770 790

G7 380 107 740

PLEURAL RUB see RESPIRATORY SOUNDS

C23 888 852 779

E1 302 850

G9 772 521 701

PNEUMONIA, MYCOPLASMA

C1 252 610 620 760 C8 381 677 650
C8 730 610 500

Interstitial pneumonia caused by extensive infection of the lungs and bronchi, particularly the lower lobes of the lungs, by *Mycoplasma pneumoniae*. It may be distinguished from viral pneumonia by the presence of cold agglutinins caused by MYCOPLASMA PNEUMONIAE, synonym is 'primary atypical pneumonia' but do not confuse with 'primary atypical viral pneumonia' (= PNEUMONIA, VIRAL)

80

X MYCOPLASMA PNEUMONIA

POLAR RECOMBINATION see GENE CONVERSION

G5 832 380

POLARITY OF TRANSCRIPTION see POLARITY OF TRANSLATION

G5 331 914 770

POLARITY OF TRANSLATION

G5 331 914 770

Decrease in the synthesis of proteins specified by genes distal to the operator and to the site of a nonsense, frameshift, deletion or insertion mutation in an operon. A mutation which produces polarity is called a polar mutation or a polarity mutation.

only /drug eff /rad eff

(80)

see under TRANSLATION, GENETIC

X POLARITY OF TRANSCRIPTION

POLARON see GENE CONVERSION

G5 832 380

POLICY MAKING

N3 706 742

The decision process by which individuals, groups or institutions establish policies pertaining to plans, programs or procedures.

no qualif

80

see related

HEALTH POLICY

XR DECISION MAKING

POLITICAL SYSTEMS

I1 696

Systems of government

only /class /hist, specify geog

80, was NON MESH before 1980

POVERTY AREAS

I1 880 840 535 550 N1 824 600 550

City, urban, rural or suburban areas which are characterized by severe economic deprivation and by accompanying physical and social decay.

no qualif, specify geog

(80)

see under POVERTY

X GHETTOS

X SLUMS

PRAJMALINE

D3 132 973 641 119 650 D3 549 937 641 144 650

D16 848 415 804 28 612 D18 97 69 612

17R,21 alpha-Dihydroxy-4-propylajmalinum. Derivative of the rauwolfia alkaloid ajmaline, proposed as an antiarrhythmic agent, may cause liver damage.

Synonyms GT 1012, Neo-Gilurytmal

/biosyn permitted if by plant, do not use /defic /physiol

(80)

see under AJMALINE

X PRAJMALIUM

X N-PROPYLAJMALINE

PRAJMALIUM see PRAJMALINE

D3 132 973 641 119 650 D3 549 937 641 144 650

D16 848 415 804 28 612 D18 97 69 612

PRAZIQUANTEL

D3 438 531 690 D21 201 412 534

2-(Cyclohexylcarbonyl)-1,2,3,6,7,11b-hexahydro-

4H-pyrazino-(2,1-a)-isoquinolin-4-one. Anthelmintic used in most schistosome and many cestode infestations, may be given orally, parenterally or by nasal spray. Synonyms Droncit, Embay 8440

do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under ISOQUINOLINES

PREDNIMUSTINE

D2 455 526 728 650 156 700 D4 808 745 432 769 795 700

D22 204 57 649 156 742

11-beta,17,21-Trihydroxypregna-1,4-diene-3,20-dione 21-[4[bis(2-chloroethyl)amino]phenyl]butyrate. Ester of chlorambucil and prednisolone, combination alkylating agent and synthetic steroid used in various leukemias and other neoplasms, causes gastrointestinal and bone marrow toxicity.

Synonyms EORTC 1502, Leo 1031, NSC 134087, Stereocyt

do not use /biosyn /defic /physiol

(80)

see under CHLORAMBUCIL

PREGNANCY-ASSOCIATED ALPHA 2-GLOBULINS see PREGNANCY ZONE PROTEINS

D6 472 785 760

D12 776 780 760

PREGNANCY-ASSOCIATED ALPHA 2-GLYCOPROTEINS see PREGNANCY ZONE PROTEINS

D6 472 785 760

D12 776 780 760

PREGNANCY-ASSOCIATED ALPHA 2-MACROGLOBULINS see PREGNANCY ZONE PROTEINS

D6 472 785 760

D12 176 780 760

PREGNANCY-ASSOCIATED ALPHA PLASMA PROTEIN

D6 472 785 700

D12 776 780 700

An alpha 2-macroglobulin, molecular weight approximately 750,000. Now believed to be a pregnancy specific protein. Its plasma levels increase steadily during the second trimester and continue to rise until the end of gestation.

/biosyn /physiol permitted, do not use /analogs /blood

(80)

note term over 30 characters

see under PREGNANCY PROTEINS

X PAPP-A

PREGNANCY-ASSOCIATED BETA PLASMA PROTEIN

D6 472 785 710

D12 776 780 710

A beta globulin. Now believed to be a pregnancy specific protein. Its plasma levels increase steadily during pregnancy until the end of gestation.

/biosyn /physiol permitted, do not use /analogs /blood

(80)

note term over 30 characters

see under PREGNANCY PROTEINS

X PAPP-B

PREGNANCY PROTEINS

D6 472 785

D12 776 780

Proteins produced by organs of the mother or the placenta during pregnancy. They may be either pregnancy specific (present only during pregnancy) or pregnancy associated (always present during pregnancy, but may also be present in individuals undergoing estrogen therapy, taking oral contraceptives or in patients with certain malignancies).

proteins produced by organs or placenta of pregn females, in small amts in non-pregn females, in women under estrogen ther or taking oral contraceptives or in women with certain cancers, /biosyn /physiol permitted, do not use /analogs

80

X PLACENTAL PROTEINS

XU PREGNANCY-ASSOCIATED ALPHA PLASMA PROTEIN

XU PREGNANCY-ASSOCIATED BETA PLASMA PROTEIN

XU PREGNANCY-SPECIFIC BETA 1-GLYCOPROTEIN

XU PREGNANCY ZONE PROTEINS

PREGNANCY-SPECIFIC BETA 1-GLYCOPROTEIN

D6 472 759 730

D6 472 785 730

D12 776 780 730

A glycoprotein with the electrophoretic mobility of a beta 1 globulin. It is produced by the placental trophoblast and secreted into the maternal bloodstream during pregnancy. It can be detected 18 days after ovulation and its concentration in plasma rises steadily until at the end of gestation it reaches 200 mg/ml. It has been proposed as a measure of placental function, for fertility control and is a candidate for an early pregnancy test.

/biosyn /physiol permitted, do not use /analogs /blood

(80)

note term over 30 characters

see under PREGNANCY PROTEINS

X PAPP-C

X SP1

PREGNANCY ZONE PROTEINS

D6 472 785 760 D12 776 780 760

Glycoprotein with the electrophoretic mobility of an alpha 2-globulin. Found in small amounts in normal human plasma but in much larger volume in the plasma of pregnant women. Believed to be of maternal rather than placental origin. Has also been found in increased amounts in individuals undergoing estrogen therapy and is sometimes produced ectopically by tumors of non-placental origin. Synonyms Alpha-2-pregnoglobulins, new serum alpha-macroglobulins, Xh.

/biosyn /physiol permitted do not use /analogs /blood

(80)

see under PREGNANCY PROTEINS

- X PAAG
- X PREGNANCY-ASSOCIATED ALPHA 2-GLOBULINS
- X PREGNANCY-ASSOCIATED ALPHA 2-GLYCOPROTEINS
- X PREGNANCY-ASSOCIATED ALPHA 2-MACROGLOBULINS
- X SP3

PREPAID GROUP PRACTICE see GROUP PRACTICE, PREPAID

N4 452 758 244 600

PREPROSTHETIC ORAL SURGERY see SURGERY, ORAL

PREPROSTHETIC

E4 833 800 E6 892 800

PRIMITIVE GUT see GASTRULA

A16 254 412

PRIMITIVE STREAK see GASTRULA

A16 254 412

PRIORITIES, HEALTH see HEALTH PRIORITIES

N3 349 325

PRIVATE ROOMS see PATIENTS' ROOMS

N2 278 220 640

PROCETOFEN

D2 241 81 751 650 D10 162 700

2-(4-(4-Chlorobenzoyl)phenoxy)-2-methylpropionic acid-1-methylethyl ester. An antilipemic agent which reduces both cholesterol and triglycerides in the blood. Synonyms LF 178, Lipantyl.

do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under PROPIONATES

X LIPANTHYL

PROLINE DEHYDROGENASE see PROLINE OXIDASE

D8 586 682 107 640

PROLINE OXIDASE

D8 586 682 107 640

The first enzyme of the proline degradative pathway. It catalyzes the reduction of proline to pyrroline-5-carboxylic acid in the presence of oxygen and water. The action is not reversible. The specific activity of proline oxidase increases with age. EC 1.5.3.-

do not use /analogs

(80)

see under AMINE OXIDOREDUCTASES

X PROLINE DEHYDROGENASE

PROMOTION OF HEALTH see HEALTH PROMOTION

N2 370

PROPHAGE EXCISION see VIRUS ACTIVATION

G4 185 515 946 940

PROPHAGE INDUCTION see VIRUS ACTIVATION

G4 185 515 946 940

PROPLAST

D25 720 395 616 755

Polymer of polytetrafluoroethylene and carbon filaments, porous biocompatible material used in orofacial and middle ear reconstruction and as coating for metal implants.

D25-26 qualif

(80)

see under POLYTETRAFLUOROETHYLENE

N-PROPYLAJMALINE see PRAJMALINE

D3 132 973 641 119 650 D3 549 937 641 144 650

D16 848 415 804 28 612 D18 97 69 612

PROTOTHECA

B5 104 234 469 801

An achlorophyllous mutant of the green alga *Chlorella*. It is found in decayed matter, water, sewage and soil and produces cutaneous and disseminated infections in various vertebrates including man. It infects the skin, lymph nodes, eye, myocardium, kidney, muscle, and bovine mammary gland.

A mutant of green alga *Chlorella*, do not use /anat /embryol /microbiol /parasitol, infection by Prototheca coord IM with INFECTION (NIM) + precoord organ/dis or organ/infection term (IM)

80

PROVOCATION TESTS, BRONCHIAL see BRONCHIAL PROVOCATION TESTS

E1 302 796 170

PROVOCATION TESTS, NASAL see NASAL PROVOCATION TESTS

E1 276 660

PTERYGOID MUSCLES

A2 633 560 790

Two of the masticatory muscles: the internal, or medial, pterygoid muscle and external, or lateral, pterygoid muscle. Action of the former is closing the jaws and that of the latter is opening the jaws, protruding the mandible, and moving the mandible from side to side.

masticatory muscles opening, closing & moving jaws forward or sideways

(80)

see under MASTICATORY MUSCLES

QUALITY ASSURANCE, HEALTH CARE

N4 761 700

Activities and programs intended to assure the quality of care in either a defined medical setting or a program.

only /econ /legis /trends CATALOG /geog /form

80. QUALITY ASSURANCE PROGRAM was see QUALITY OF HEALTH CARE 1978-79

to search QUALITY ASSURANCE PROGRAM use QUALITY ASSURANCE, HEALTH CARE back thru 1980 & QUALITY OF HEALTH CARE 1978-79

QUEUING THEORY see SYSTEMS THEORY

H1 770 808

QUINUCLIDINYL BENZILATE

D2 241 223 601 238 306 740 D2 241 511 85 740

D3 605 687 800 D16 653 795

1-Azabicyclo(2.2.2)oct-3-yl-alpha-hydroxy-alpha-phenyl ester of benzenoacetic acid. Hallucinogenic anticholinergic agent with a high affinity for muscarinic receptors, used to study those receptors and their ligands.

Synonyms RO 2-3308, QNB

do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under QUINUCLIDINES

RADIOISOTOPE BRACHYTHERAPY see BRACHYTHERAPY

E2 810 150

RADIONUCLIDE TOMOGRAPHY, COMPUTED see TOMOGRAPHY, EMISSION COMPUTED

E1 289 702 900 E1 927 650

RADIOTHERAPY, INTERSTITIAL see BRACHYTHERAPY

E2 810 150

RADIOTHERAPY, INTRACAVITY see BRACHYTHERAPY

E2 810 150

RADIOTHERAPY, SURFACE see BRACHYTHERAPY

E2 810 150

RALES see RESPIRATORY SOUNDS

C23 888 852 779 E1 302 850

G9 772 521 701

RATE SETTING AND REVIEW

N3 219 442 800 N3 219 463 60 800

A method of examining and setting levels of payments

only /legis /methods /stand /trends, DF RATE SETTING CATALOG

/geog /form

80

RECEPTORS, ANTIGEN

D24 611 834 816 G4 610 834 816
G6 184 154 834 816

Molecules on the surface of B and T lymphocytes which recognize and combine with specific antigens

only /anal /biosyn /drug eff /genet /immunol /isol /metab /physiol /rad eff,
DF RECEPT ANTIGEN

80

X ANTIGEN RECEPTORS

RECEPTORS, ANTIGEN, B-CELL

D24 611 834 816 821 G4 610 834 816 821
G6 184 154 834 816 821

Immunoglobulin molecules on the surface of B-lymphocytes which recognize and bind antigen

only /anal /biosyn /drug eff /genet /immunol /isol /metab /physiol /rad eff,
DF RECEPT ANTIGEN B CELL

80

X ANTIGEN RECEPTORS, B-CELL

RECEPTORS, ANTIGEN, T-CELL

D24 611 834 816 824 G4 610 834 816 824
G6 184 154 834 816 824

Molecules on the surface of T-lymphocytes which recognize and combine with antigens. The nature and specificity of the T-cell receptors is a subject of much controversy, they do not appear to belong to any of the currently recognized classes of immunoglobulins

only /anal /biosyn /drug eff /genet /immunol /isol /metab /physiol /rad eff,
DF RECEPT ANTIGEN T CELL

80

X ANTIGEN RECEPTORS, T-CELL

RECEPTORS, COMPLEMENT

D24 611 834 833 G4 610 834 833
G6 184 154 834 833

Molecules on the surface of some B-lymphocytes and macrophages, which recognize and combine with the C3b, C3d, C1q, and C4b components of complement

only /anal /biosyn /drug eff /genet /immunol /isol /metab /physiol /rad eff,
DF RECEPT COMPLEMENT

80

X COMPLEMENT RECEPTORS

RECEPTORS, FC

D24 611 834 871 G4 610 834 871
G6 184 154 834 871

Molecules found on the surface of some, but not all, B-lymphocytes, T-lymphocytes, and macrophages, which recognize and combine with the Fc (crystallizable) portion of the IgG molecule

only /anal /biosyn /drug eff /genet /immunol /isol /metab /physiol /rad eff,
DF RECEPT FC

80

X FC RECEPTORS

RECEPTORS, IMMUNOLOGIC

D24 611 834 G4 610 834
G6 184 154 834

Molecules on the surface of immunologically competent cells which are capable of selectively combining with complementary molecules

only /anal /biosyn /drug eff /genet /immunol /isol /metab /physiol /rad eff,
DF RECEPT IMMUNOL

80

X IMMUNOLOGIC RECEPTORS

RECEPTORS, MITOGEN

D24 611 834 880 G4 610 834 880
G6 184 154 834 880

Glycoprotein molecules on the surface of B- and T-lymphocytes, which react with molecules of antilymphocyte sera, lectins, and other agents which induce blast transformation of lymphocytes

only /anal /biosyn /drug eff /genet /immunol /isol /metab /physiol /rad eff,
DF RECEPT MITOGEN

80

X MITOGEN RECEPTORS

RED CELL INDICES see ERYTHROCYTE INDICES

E1 223 459 380 G9 188 490

REFLEX, ACOUSTIC

E1 236 563 642 580 E1 706 592 642 580
G11 561 730 594

Intra-aural contraction of tensor tympani and stapedius in response to sound

only /drug eff /rad eff

80

REPLICATION UNIT see REPLICON

G5 331 232 710

REPLICON

G5 331 232 710

An autonomous unit of DNA replication, activated by the action of an initiator substance on the site at which replication begins (termed the 'replicator' or 'origin of replication') The bacterial chromosome is a replicon, as are autonomous plasmids, non-integrated viral genomes, mitochondria, and chloroplasts, but lysogeny and plasmid integration repress the prophage or plasmid replicon. Eukaryotic chromosomes contain multiple start points for DNA replication, which are referred to either as replicons or 'replication units,' and the timing of gene replication in eukaryotes is controlled by both nuclear and cytoplasmic factors

only /drug eff /rad eff

80

X REPLICATION UNIT

REPTILASE TIME see THROMBIN TIME

E1 223 459 153 870

RESEARCH, HEALTH SERVICES see HEALTH SERVICES RESEARCH

N3 349 380

RESPIRATORY SOUNDS

C23 888 852 779 E1 302 850
G9 772 521 701

Any sound emanating from any portion of the respiratory tract, especially those heard on auscultation. Includes breath sounds

normal & abnormal sounds, only /class /diag /physiopathol

80

X PLEURAL RUB

X RALES

X RHONCHI

X STRIDOR

X WHEEZING

XU SNORING

RHEUMATOLOGY

G2 403 776 409 808

A subspecialty of internal medicine concerned with the study of inflammatory or degenerative processes and metabolic derangement of connective tissue structures which pertain to a variety of musculoskeletal disorders, such as arthritis

SPEC only, SPEC qualif, field covers collagen dis, rheum dis & arthritis

CATALOG use with form qualif instead of ARTHRITIS /form or

COLLAGEN DISEASES /form or RHEUMATISM /form

80

RHINITIS, ALLERGIC, NONSEASONAL see RHINITIS, ALLERGIC, PERENNIAL

C9 603 799 631 C20 543 480 680 791

RHINITIS, ALLERGIC, PERENNIAL

C9 603 799 631 C20 543 480 680 791

Inflammation of the mucous membrane of the nose similar to that found in hay fever except that symptoms persist throughout the year. The causes are usually air-borne allergens, particularly dusts, feathers, molds, animal fur, etc. note X ref do not confuse with RHINITIS, ALLERGIC, SEASONAL see HAY FEVER

80, RHINITIS, ALLERGIC was see HAY FEVER 1963-79

search RHINITIS, ALLERGIC under HAY FEVER 1966-79

X RHINITIS, ALLERGIC, NONSEASONAL

RHINITIS, VASOMOTOR

C9 603 799 910

A form of rhinitis brought about by changes in vascular tone and permeability. The etiology is obscure

do not confuse with rhinitis headings above, do not make diagnoses use word of text

80, VASOMOTOR RHINITIS was see HAY FEVER 1973-79

to search VASOMOTOR RHINITIS use RHINITIS, VASOMOTOR back thru 1980 & HAY FEVER 1973-79

X VASOMOTOR RHINITIS

RHONCHI see RESPIRATORY SOUNDS

C23 888 852 779 E1 302 850
G9 772 521 701

RIMANTADINE

D2 219 75 700 D4 615 236 700
D20 388 815

alpha-Methyl-1-adamantanemethylamine. Antiviral agent proposed especially for prophylaxis of influenza A, inhibits viral RNA synthesis. Synonyms EXP 126, JP 61, Meradan(e), remantadine

do not use /biosyn /defic /physiol

(80)

see under ADAMANTANE

RISK MANAGEMENT

N3 219 463 800

Identification, loss evaluation and control of risks, which are usually insurable in order to minimize financial liability

only /class /econ /legis /methods /stand /trends

(80)

see under FINANCIAL MANAGEMENT

RNA CAP ANALOGS

D13 444 735 544 700 710 D13 695 667 454 700 710

D13 695 827 426 700 710

Analogues of RNA cap compounds which do not have a positive charge. These compounds inhibit the initiation of translation of both capped and uncapped messenger RNA.

IM do not use /analogs /defic

(80)

see under RNA CAPS

RNA CAPS

D13 444 735 544 700 D13 695 667 454 700

D13 695 827 426 700

Compounds with the general structure 7-methyl-5'-guanosine triphosphate-5'-X (m(7)G(5')ppp(5')X) which modify the 5' end of eukaryotic cellular and viral messenger RNA and some heterogeneous nuclear RNAs. These compounds which are positively charged protect the above specified RNAs at their termini against attack by phosphatases and other nucleases and promote mRNA function at the level of initiation of translation. Analogues of the RNA caps which lack the positive charge inhibit the initiation of protein synthesis.

IM do not use /analogs (= RNA CAP ANALOGS) /defic

80

XU RNA CAP ANALOGS

RNA, DOUBLE-STRANDED

D13 444 735 490

RNA consisting of two strands as opposed to the more prevalent single-stranded RNA. Most of the double-stranded segments are formed from transcription of DNA by intramolecular base-pairing of inverted complementary sequences separated by a single-stranded loop. Some double-stranded segments of RNA are normal in all organisms.

IM, do not use /analogs /defic, DF DSRNA

80

RNA, FUNGAL

D13 444 735 500

IM, coord with specific fungus (IM), do not use /analogs /defic

80

RNA PHAGES

B4 123 691

Bacteriophages whose genetic material is RNA, which is single-stranded in all except the Pseudomonas phage Phi6. All RNA phages infect their host bacteria via the host's surface pili. Some frequently encountered RNA phages are QBeta, MS2, BF23, F2, R17, fr, Mu2, PhiCb5, PhiCb12r, PhiCb8r, PhiCb23r, 7s, Phi6, PP7.

do not use /cytol, do not confuse X ref PHAGE MU 2 with PHAGE MU 1, a DNA coliphage

80

X BACTERIOPHAGES, RNA

X PHAGE MU 2

X PHAGES, RNA

RO 10-9359

D2 455 849 291 818 800 810 D11 557 261 860 850 810

D26 368 627 920 810

trans-9-(4-Methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-2,4,6,8-nonatetraenoic acid ethyl ester. An oral retinoid used in the treatment of keratotic genodermatosis, lichen planus and psoriasis. Beneficial effects have also been claimed in the prophylaxis of epithelial neoplasia.

do not use /biosyn /defic /physiol

(80)

see under TRETINOIN

ROOMS, PATIENT see PATIENTS' ROOMS

N2 278 220 640

1-SAR-8-ILE ANGIOTENSIN II see 1-SARCOSINE-8-ISOLEUCINE ANGIOTENSIN II

D12 644 456 73 41 815

D24 185 798 32 41 830

1-SARCOSINE-8-ISOLEUCINE ANGIOTENSIN II

D12 644 456 73 41 815 D24 185 798 32 41 830

1-(N-Methylglycine)-8-L-isoleucine-angiotensin II. An angiotensin II analog which acts as a highly specific inhibitor of angiotensin II.

do not use /biosyn /defic /physiol, DF SAR ISO ANG

(80)

see under ANGIOTENSIN II

X 1-SAR-8-ILE ANGIOTENSIN II

SCINTIGRAPHY, COMPUTED TOMOGRAPHIC see TOMOGRAPHY, EMISSION COMPUTED

E1 289 702 900 E1 927 650

SEGMENTATION STAGE, OVUM see CLEAVAGE STAGE, OVUM

A16 254 270

SEMI-PRIVATE ROOMS see PATIENTS' ROOMS

N2 278 220 640

SERINE PHOSPHATE see PHOSPHOSERINE

D2 705 679 D12 125 837 800

SEROTONIN ACETYLTRANSFERASE see ARYLAMINE ACETYLTRANSFERASES

D8 586 913 50 134 80

SERUM THYMIC FACTOR see THYMIC FACTOR, CIRCULATING

D6 472 910 750 D12 644 456 835

SICK SINUS SYNDROME

C14 280 67 829

Dysfunction of the sinoatrial node manifested by persistent sinus bradycardia, sinus arrest, sinoatrial exit block, chronic atrial fibrillation and inability of the heart to resume sinus rhythm following cardioversion for atrial fibrillation. sinus refers to sinoatrial node.

80

SIGMOID DISEASES

C6 405 469 158 850

inflamm dis coord IM with COLITIS (NIM) but note PROCTOSIGMOIDITIS see PROCTOCOLITIS & RECTOSIGMOIDITIS see PROCTOCOLITIS, diverticula & diverticulosis coord IM with DIVERTICULOSIS, COLONIC (IM), diverticulitis coord IM with DIVERTICULITIS, COLONIC (IM)

80

SILICOPOLYACRYLATE CEMENT see GLASS IONOMER CEMENTS

D25 339 291 402

SIPUNCULIDA

B1 880

A phylum of small, unsegmented, marine worms, common widely distributed genera include Sipunculus, Dendrostoma, Phascolosoma, Phascolopsis, Themiste, and Phascolion.

/microbiol /parasitol permitted

80

SISTER CHROMATID EXCHANGE

G5 148 168 260 840 G5 832 260 840

An aberrant crossing over event in which there is an exchange of segments between the sister chromatids of a chromosome, either between the sister chromatids of a meiotic tetrad or between the sister chromatids of a duplicated somatic chromosome. It can be induced by ultraviolet and ionizing radiation or by mutagenic agents and is observed by autoradiography.

only /drug eff /rad eff

(80)

see under CROSSING OVER (GENETICS)

SITS

D2 241 866 753 800 D2 455 426 559 389 724 800

4-Acetamido-4'-isothiocyanatostilbene-2,2'-disulfonic acid A non-penetrating amino reagent which acts as an inhibitor of anion transport in erythrocytes and other cells.

= Stilbene IsoThiocyanate diSulfonic acid, do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under STILBENES

SLEEP APNEA SYNDROMES

C8 618 85 852

Disorders involving apneic episodes during sleep, may be due to cessation of diaphragmatic movement, obstruction of upper airway air flow, or a combination of these, may be associated with hypersomnolence, insomnia, or obesity.

'apneic episodes during sleep', DF SLEEP APNEA

80

X APNEA, CENTRAL

X APNEA, OBSTRUCTIVE

X APNEA, SLEEP

X HYPERSOMNIA WITH PERIODIC RESPIRATION

X HYPOVENTILATION, CENTRAL ALVEOLAR

X ONDINE'S CURSE

SLUMS see POVERTY AREAS

I1 880 840 535 550 N1 824 600 550

SONOGRAPHY, SPEECH see SOUND SPECTROGRAPHY
E5 855

SOUND LOCALIZATION

F2 463 593 71 869

Ability to determine the specific location of a sound source
only /drug eff /physiol /rad eff, do not confuse with ECHOLOCATION
(animal only)

(80)

see under AUDITORY PERCEPTION

X AUDITORY LOCALIZATION

SOUND SPECTROGRAPHY

E5 855

The graphic registration of the frequency and intensity of sounds, such as
speech, infant crying and animal vocalizations

NIM, only /instrum /methods /stand, includes 'speech, infant crying & animal
vocalizations'

80

X SONOGRAPHY, SPEECH

SP1 see PREGNANCY-SPECIFIC BETA 1-GLYCOPROTEIN

D6 472 759 730 D6 472 785 730

D12 776 780 730

SP3 see PREGNANCY ZONE PROTEINS

D6 472 785 760 D12 776 780 760

SPACE MEDICINE see AEROSPACE MEDICINE

G2 403 790 548 80

SPECIALTIES, SURGICAL

G2 403 810

Use for general material on the surgical specialties

only /hist /man /stand /trends, coord IM with field or subject (IM)

80

SPEECH ACOUSTICS

G11 561 854 650

The acoustic aspects of speech in terms of frequency, intensity and time
no qualif

(80)

see under SPEECH

X ACOUSTICS, SPEECH

SPEECH PATHOLOGY

G2 825

The study of speech disorders, their diagnosis and correction

SPEC SPEC qualif the specialty devoted to study of speech disord, their
diag & ther, do not confuse with the patient or dis (= SPEECH
DISORDERS), Amer Speech & Hear Assoc index under SPEECH
PATHOLOGY (IM) + AUDIOLOGY (IM) + SOCIETIES (IM) +
UNITED STATES (NIM)

80 was included in SPEECH THERAPY 1964-79 (Prov 1964-65)

search SPEECH THERAPY 1966-79

SPEECH SYNTHESIZERS see COMMUNICATION AIDS FOR
HANDICAPPED

E7 796 250

SPERM COUNT

E1 223 920 G7 380 870

A count of sperm in the ejaculum, expressed as number per milliliter
only /instrum /methods /vet

80

X SPERM NUMBER

XR CELL COUNT

SPERM NUMBER see SPERM COUNT

E1 223 920 G7 380 870

SQ 14225 see CAPTOPRIL

D8 373 745 270 D12 125 72 401 623 270

D18 162 135

STA-MCA BYPASS see CEREBRAL REVASCULARIZATION

E4 494 150 E4 752 814 300

STATE HEALTH PLANNING AND DEVELOPMENT AGENCIES

N3 540 452 508

Agency established under PL93-641 to coordinate, conduct and implement
state health planning activities Two primary responsibilities are the preparation
of an annual State Health Plan and giving assistance to the Statewide Health
Coordinating Council

only /class /econ /hist /legis /organ /stand /trends /util, Public Law 93-641,
specify geog

(80), STATE HEALTH PLANNING AGENCIES, UNITED STATES was
see HEALTH SYSTEMS AGENCIES 1979

note term over 30 characters, to search STATE HEALTH PLANNING
AGENCIES, UNITED STATES use STATE HEALTH PLANNING AND
DEVELOPMENT AGENCIES back thru 1980 & HEALTH SYSTEMS
AGENCIES 1979

see under HEALTH PLANNING ORGANIZATIONS

STATE HEALTH PLANS

N3 349 650 480

State plans prepared by the State Health Planning and Development Agencies
which are made up from plans submitted by the Health Systems Agencies and
subject to review and revision by the Statewide Health Coordinating Council
only /econ /hist /legis /organ /stand /trends /util, Public Law 93-641, specify
geog & add UNITED STATES also CATALOG /geog /form

80

X COMPREHENSIVE HEALTH PLANS, STATE

XU ANNUAL IMPLEMENTATION PLANS

XU HEALTH SYSTEMS PLANS

STATEWIDE HEALTH COORDINATING COUNCILS see HEALTH
PLANNING COUNCILS

N3 540 452 210

STOMATITIS, HERPETIC

C2 256 466 382 834 C7 465 864 840

Stomatitis caused by Herpesvirus hominis Usually occurs as acute herpetic
stomatitis (or gingivostomatitis), an oral manifestation of primary herpes simplex
seen primarily in children and adolescents

Herpes simplex virus infect of the mouth, 'cold sore' & 'fever blister' of the
mouth go here but of the lips & nares = HERPES LABIALIS

80

X GINGIVOSTOMATITIS, HERPETIC

X HERPES SIMPLEX, ORAL

STOVE-IN CHEST see FLAIL CHEST

C21 866 891 315

STRABISMUS, CONVERGENT see ESOTROPIA

C11 841 352

STRIDOR see RESPIRATORY SOUNDS

C23 888 852 779 E1 302 850

G9 772 521 701

STRIKES, EMPLOYEE

N3 540 571 608 N4 452 677 842

Work-related situations in which the employees as a group refuse to work
until certain conditions of employment are granted by the employer

only /class /econ /hist /legis /methods /organ /trends /util (if by MeSH
definition), DF STRIKES

80

X EMPLOYEE STRIKES

STRINGENT FACTOR see ATP-GUANOSINE PHOSPHATE
PYROPHOSPHOTRANSFERASE

D8 586 913 696 729 75

SUBSIDIES, HEALTH PLANNING see HEALTH PLANNING SUPPORT

N3 219 483 408

SUBURBAN POPULATION

N1 696 810

The inhabitants of peripheral or adjacent areas of a city or town

no qualif, specify geog CATALOG /geog /form

80

SULFUR HEXAFLUORIDE

D1 396 514 348 825 D1 877 720

An inert gas used mainly as a test gas in respiratory physiology Other uses
include its injection in vitreoretinal surgery to restore the vitreous chamber
and as a tracer in monitoring the dispersion and deposition of air pollutants
do not use /analog /biosyn /defic /physiol

(80)

see under FLUORIDES

SULOCTIDIL

D2 33 329 624 890
D18 918 851

D2 92 63 624 890

erythro-p-(Isopropylthio)alpha(1-(octylamino)ethyl)benzyl alcohol Smooth muscle relaxant, especially of cerebral blood vessels also has anticoagulant properties and affects lipid metabolism proposed for cerebral arteriopathies, especially atherosclerosis Synonyms CP 556S, Sulocton do not use /biosyn /defic /physiol /analogs NIM only (80)

see under PROPANOLAMINES

SUPERIOR MESENTERIC ARTERY SYNDROME

C6 405 469 275 395 890

Duodenal obstruction caused by compression of the third part of the duodenum by the root of the intestinal mesentery which contains the superior mesenteric artery, vein, and nerve Synonym cast syndrome duodenal compression by the superior mesenteric artery (80)

see under DUODENAL OBSTRUCTION

X DUODENAL COMPRESSION SYNDROME, MESENTERIC
X MESENTERIC DUODENAL COMPRESSION SYNDROME

SUPPRESSOR CELLS

A11 118 637 555 604 862 A15 145 229 637 555 604 862
A15 520 520 604 862

Cells which suppress antibody production by other cells, or inhibit other cellular immune responses

A 11 qualif, a type of lymphocyte

80, was see T-LYMPHOCYTES 1979

search T-LYMPHOCYTES 1979

SURGERY, OFFICE see AMBULATORY SURGERY

E4 30

SURGERY, ORAL, PREPROSTHETIC

E4 833 800 E6 892 800

Surgery necessary for a denture to rest on a firm base, free from marked osseous protuberances or undercuts, and devoid of interfering muscle attachments, excess mucoperiosteum, hyperplasias, and fibrous or papillary growths do not use /util except by MeSH definition (80)

X PREPROSTHETIC ORAL SURGERY
XU ALVEOLAR RIDGE AUGMENTATION
XR MOUTH, EDENTULOUS

SURGERY, OUTPATIENT see AMBULATORY SURGERY

E4 30

SURGICAL FLAPS

E4 860 887

Tongues of tissue, cut away from the underlying parts but attached at one end They are used in plastic surgery for filling in a defect in a neighboring region

only /vet, includes skin & muscle tissue but do not specify site or tissue unless particularly discussed, do not coord with TRANSPLANTATION, AUTOLOGOUS, pedicled grafts go here (80)

X FLAPS

SURVEILLANCE, IMMUNOLOGIC see IMMUNOLOGIC SURVEILLANCE

G4 610 555 412

SURVEY METHODS see DATA COLLECTION

L1 382 440

SWYER SYNDROME see GONADAL DYSGENESIS, 46,XY

C16 131 280 748 388 C16 131 939 842 309 388
C19 391 388

SYMPATHETIC GANGLIA see GANGLIA, SYMPATHETIC

A8 99 411 A8 99 893 477
A8 340 315 477

SYSTEMS THEORY

H1 770 808

Principles, models, and laws that apply to complex interrelationships and interdependencies of sets of linked components which form a functioning whole, a system Any system may be composed of components which are systems in their own right (sub-systems), such as several organs within an individual organism

no qualif

80 was see SYSTEMS ANALYSIS 1976-79

search SYSTEMS ANALYSIS 1976-79

X GENERAL SYSTEMS THEORY
X QUEUEING THEORY
XR SYSTEMS ANALYSIS

T-PHAGES

B4 123 205 891

A series of 7 virulent phages which infect E coli The T-even phages T2, T4, and T6, and the phage T5 are called 'autonomously virulent' because they cause cessation of all bacterial metabolism on infection Phages T1, T3, and T7 are called 'dependent virulent' because they depend on continued bacterial metabolism during the lytic cycle The T-even phages contain 5-hydroxymethylcytosine in place of ordinary cytosine in their DNA do not use /cytol (80)

X BACTERIOPHAGES T
X COLIPHAGES T
X PHAGES T

TECHNICAL ASSISTANCE FOR HEALTH PLANNING see HEALTH PLANNING TECHNICAL ASSISTANCE

N3 349 330

TECHNOLOGY ASSESSMENT, BIOMEDICAL

N3 880

Evaluation of biomedical technology in relation to cost, efficacy, utilization, etc and its future impact on social, ethical and legal systems

only /econ /methods /instrum /stand (80)

note term over 30 characters

TECHNOLOGY, HIGH-COST

N3 880 502

Advanced technology that is costly, requires highly skilled personnel, and is unique in its particular application Includes innovative, specialized medical/surgical procedures as well as advanced diagnostic and therapeutic equipment

only /econ /hist /instrum /man /stand /trends (80)

X HIGH-COST TECHNOLOGY

TEMPORAL MUSCLE

A2 633 560 940

A masticatory muscle whose action is closing the jaws, its posterior portion retracts the mandible (80)

see under MASTICATORY MUSCLES

TEMPORARY THRESHOLD SHIFT, AUDITORY see AUDITORY FATIGUE

F2 463 593 71 173 95

TEST-TUBE FERTILIZATION see FERTILIZATION IN VITRO

E5 820 490 G8 520 277 320

THIAZINAMIUM

D3 494 741 670 900 D16 653 895
D23 654 432 741 895

N,N,N'-alpha-Tetramethyl-10H-phenothiazine-10-ethanaminium methyl sulfate A quaternary ammonium phenothiazine, usually as the methyl sulfate, that has both histamine 1 and acetylcholine blocking actions Synonyms Multergan, Multezin, Padisal, thiazinamon, thiozinamin, Valan do not use /biosyn /defic /physiol (80)

see under PROMETHAZINE
X METHYLPROMETHAZINE

THREONINE PHOSPHATE see PHOSPHOTHREONINE

D2 705 683 D12 125 901 800

THROMBIN TIME

E1 223 459 153 870

Test of the conversion of fibrinogen to fibrin by thrombin in which clotting time of plasma mixed with a thrombin solution is measured. Time is prolonged by afibrinogenemia, abnormal fibrinogen, or the presence of inhibitory substances, e.g., fibrin-fibrinogen degradation products, heparin. Reptilase, a thrombin-like enzyme unaffected by the presence of heparin, may be used in place of thrombin.

NIM, only /vet, thrombotest goes under PROTHROMBIN TIME

(80)

see under BLOOD COAGULATION TESTS

X REPTILASE TIME

THROMBOPLASTIN TIME, PARTIAL see PARTIAL THROMBOPLASTIN TIME

E1 223 459 153 580

THYMIC FACTOR, CIRCULATING

D6 472 910 750 D12 644 456 835

A thymus-dependent nonapeptide found in normal blood. Stimulates the formation of E rosettes and is believed to be involved in T-cell differentiation. /biosyn /physiol permitted, do not use /blood, /analogs NIM only

(80)

see under THYMUS HORMONES

X FACTEUR THYMIQUE SERIQUE

X SERUM THYMIC FACTOR

TIAPRIDE

D2 65 277 882 D2 241 223 106 162 882

D15 236 872 331 917

N-[2-(Diethylamino)ethyl]-5-(methylsulfonyl)-o-anisamide. Benzamide derivative proposed for use in behavior problems of alcoholics, in dyskinesias and other functional abnormalities of the CNS, also as major tranquilizer. Synonyms FLO 1347, Thiaprìde, Tiapridal.

do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under BENZAMIDES

TICRYNAFEN

D2 241 511 316 682 900 D3 383 903 840

D18 162 891 D19 770 224 891

2,3-Dichloro-4-(2-thienylcarbonyl)phenoxyacetic acid. Novel diuretic with uricosuric action, proposed as an antihypertensive agent. Synonyms ANP 3624, SKF 62698, thienylic acid.

do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under GLYCOLATES

X TIENILIC ACID

TIENILIC ACID see TICRYNAFEN

D2 241 511 316 682 900 D3 383 903 840

D18 162 891 D19 770 224 891

TN ELEMENTS

G5 331 150 930 G5 386 310 930

G5 706 310 930 G5 832 290 930

G12 392 269 930

Complex transposable elements, generally larger than 1400 bases, and often including simple insertion sequences as their terminal repeats, they behave formally like IS elements, but contain genes unrelated to insertion function. All of the Tn elements cataloged as of May 1976 are transposable antibiotic resistance determinants, and the name 'Transposons' has been proposed for them.

only /drug eff /rad eff, do not confuse X ref TRANSPOSONS with X ref TRANSPOSABLE ELEMENTS see DNA INSERTION ELEMENTS

(80)

see under DNA INSERTION ELEMENTS

X TRANSPOSONS

TOMOGRAPHY, EMISSION COMPUTED

E1 289 702 900 E1 927 650

Tomography using emissions from radionuclides and a computer algorithm to reconstruct the image.

uses radionuclides & computer. do not confuse with TOMOGRAPHY, X-RAY COMPUTED using x-rays & computer, 'computed tomography' unspecified is probably TOMOGRAPHY, X-RAY COMPUTED, do not use /util except by MeSH definition DF CT EMISS

80

X COMPUTERIZED EMISSION TOMOGRAPHY

X RADIONUCLIDE TOMOGRAPHY, COMPUTED

X SCINTIGRAPHY, COMPUTED TOMOGRAPHIC

X TOMOGRAPHY, POSITRON EMISSION

X TOMOGRAPHY, RADIONUCLIDE COMPUTED

TOMOGRAPHY, POSITRON EMISSION see TOMOGRAPHY, EMISSION COMPUTED

E1 289 702 900 E1 927 650

TOMOGRAPHY, RADIONUCLIDE COMPUTED see TOMOGRAPHY, EMISSION COMPUTED

E1 289 702 900 E1 927 650

TOTAL COMMUNICATION METHODS see COMMUNICATION METHODS, TOTAL

E2 831 671 221

TRANSDUCERS, PRESSURE

E7 943 901 H1 288 878 901

Transducers that are activated by pressure changes, e.g. blood pressure

NIM, no qualif

(80)

see under TRANSDUCERS

TRANSPOSABLE ELEMENTS see DNA INSERTION ELEMENTS

G5 331 150 G5 832 290

TRANSPOSONS see TN ELEMENTS

G5 331 150 930 G5 386 310 930

G5 706 310 930 G5 832 290 930

G12 392 269 930

TRICHLOROEOXYPROPANE

D2 355 291 411 900 D2 455 526 439 920

D8 373 880

1,1,1-Trichloro-2,3-epoxypropane. A potent epoxide hydrolase and aryl hydrocarbon hydroxylase inhibitor. Enhances the tumor-initiating ability of certain carcinogens.

do not use /biosyn /defic /physiol, /analogs NIM only

(80)

see under HYDROCARBONS, CHLORINATED

X TRICHLOROPROPENE OXIDE

TRICHLOROPROPENE OXIDE see TRICHLOROEOXYPROPANE

D2 355 291 411 900 D2 455 526 439 920

D8 373 880

TRIGEMINAL CAUDAL NUCLEUS

A8 186 211 132 931 927

The caudal portion of the nucleus of the spinal trigeminal tract, a nucleus involved with pain and temperature sensation.

do not use /innerv, do not confuse with CAUDATE NUCLEUS (corpus striatum)

(80)

see under TRIGEMINAL NUCLEI

X CAUDAL NUCLEUS, TRIGEMINAL

TRIGEMINAL NUCLEI

A8 186 211 132 931

Nuclei of the trigeminal nerve situated in the brain stem. They include the nucleus of the spinal trigeminal tract, the principal sensory nucleus, the mesencephalic nucleus, and the motor nucleus.

do not use /innerv

80

XU TRIGEMINAL CAUDAL NUCLEUS

TRUSTEES

M1 526 70 940 N2 350 45 610

N4 452 394 600

Board members of an institution or organization who are entrusted with the administering of funds and the directing of policy.

do not use /man /methods /organ /supply /trends /util (except by MeSH definition)

(80), was see GOVERNING BOARD 1968-79

search GOVERNING BOARD 1968-79

see under GOVERNING BOARD

UNESCO see UNITED NATIONS

N3 540 514 718

UNICEF see UNITED NATIONS

N3 540 514 718

UNITED NATIONS

N3 540 514 718

An international organization whose members include most of the sovereign nations of the world with headquarters in New York City. The primary objectives of the organization are to maintain peace and security, and to achieve international cooperation in solving international economic, social, cultural or humanitarian problems.

only /econ /hist /legis /organ CATALOG use NAF entry

80

X FAO, UNITED NATIONS

X FOOD AND AGRICULTURAL ORGANIZATION, UNITED

NATIONS

X UNESCO

X UNICEF

UNIVERSITY MEDICAL CENTERS see ACADEMIC MEDICAL CENTERS
N2 278 20

URSODEOXYCHOLIC ACID

D4 808 221 430 342 925 D19 316 246 175 947

3-alpha,7-beta-Dihydroxy-5-beta-cholan-24-oic acid Epimer of chenodeoxycholic acid, a mammalian bile acid found first in the bear, it is apparently either a precursor or a product of chenodeoxycholate, administration changes the composition of bile and may dissolve gallstones, used as cholagogue and choloretic Synonyms Urosan, Urso, Ursodeoxycholate, Ursodesoxycholic Acid

do not use /biosyn /defic /physiol, urso- refers to its first isol from bears (Latin ursus)

(80)

see under DEOXYCHOLIC ACID

X DEOXYURSOCHOLIC ACID

VASOMOTOR RHINITIS see RHINITIS, VASOMOTOR

C9 603 799 910

VERTEBRAL ARTERY INSUFFICIENCY see VERTEBROBASILAR INSUFFICIENCY

C10 228 140 300 459 956 C14 907 253 956

VERTEBROBASILAR INSUFFICIENCY

C10 228 140 300 459 956 C14 907 253 956

Obstruction or stenosis of the vertebral-basilar system manifested by disturbances of consciousness, vertigo, headache, hemi- or quadriplegia, dysarthria, and facial paralysis

80

X BASILAR ARTERY INSUFFICIENCY

X VERTEBRAL ARTERY INSUFFICIENCY

VIREMIA

C2 937

The presence of viruses in the blood

IM, coord with specific virus disease (IM) (do not use /blood to cover -emia) or specific virus (IM) (do not use /blood) if precoord virus/dis heading is not in MeSH

80

VIRUS ACTIVATION

G4 185 515 946 940

The mechanism by which latent viruses, such as genetically transmitted tumor viruses or prophages of lysogenic bacteria, are induced to replicate and are released as infectious viruses It may be effected by various endogenous and exogenous stimuli, including B-cell lipopolysaccharides, glucocorticoid hormones, halogenated pyrimidines, ionizing radiation, ultraviolet light, and superinfecting viruses

only /drug eff /rad eff, coord with specific virus /growth (IM or NIM)

80

X PROPHAGE EXCISION

X PROPHAGE INDUCTION

X VIRUS INDUCTION

VIRUS INDUCTION see VIRUS ACTIVATION

G4 185 515 946 940

VOICE PROSTHESIS see LARYNX, ARTIFICIAL

E4 659 581 E7 858 82 601

E7 858 565 639

WA 335 see DANITRACEN

D3 383 621 170 D4 615 117 500

D23 846 251

WARDS, PATIENT see PATIENTS' ROOMS

N2 278 220 640

WHEEZING see RESPIRATORY SOUNDS

C23 888 852 779 E1 302 850

G9 772 521 701

WHOLE BLOOD COAGULATION TIME

E1 223 459 153 950

Measurement of the time required by whole blood to produce a visible clot Factors that could influence the test are all but III, VII, and XIII Activation may be by contact with the glass tube or exposure to diatomaceous earth Delay of onset of coagulation may be achieved by use of nonwetttable plastic or silicone-coated glass tubes Used to monitor heparin therapy and as a bedside screening test for deficiencies in the intrinsic coagulation pathway Synonym ACT

NIM, only /vet

(80)

see under BLOOD COAGULATION TESTS

X ACTIVATED COAGULATION TIME, WHOLE BLOOD

X BLOOD COAGULATION TIME, WHOLE

X COAGULATION TIME, WHOLE BLOOD

NEW DESCRIPTORS IN 1980 MESH
(BY SUBCATEGORY)

- | | |
|---|--|
| <p>A2
ARYTENOID CARTILAGE (A4)
MASSETER MUSCLE
PTERYGOID MUSCLES
TEMPORAL MUSCLE</p> <p>A4
ARYTENOID CARTILAGE (A2)</p> <p>A8
GANGLIA, PARASYMPATHETIC
GANGLIA, SYMPATHETIC
HAIR CELLS, INNER (A9)
TRIGEMINAL CAUDAL NUCLEUS
TRIGEMINAL NUCLEI</p> <p>A9
HAIR CELLS, INNER (A8)</p> <p>A10
FAT BODY (A13)
MUSCLE, SMOOTH, VASCULAR</p> <p>A11
BLASTOMERES (A16)
NUCLEOLUS ORGANIZER REGION (G5)
NUCLEOSOMES (D12)
PILI, BACTERIAL (G4, G5)
SUPPRESSOR CELLS (A15)</p> <p>A13
FAT BODY (A10)</p> <p>A15
SUPPRESSOR CELLS (A11)</p> <p>A16
BLASTOMERES (A11)
CLEAVAGE STAGE, OVUM
GASTRULA
MORULA</p> <p>B1
SIPUNCULIDA</p> <p>B3
HAEMOBARTONELLA
MYCOPLASMA PNEUMONIAE</p> | <p>B4
ABELSON LEUKEMIA VIRUS
EBOLA VIRUS
KIRSTEN SARCOMA VIRUS
PHAGE LAMBDA
PHAGE MU 1
PHAGE PHI X 174
RNA PHAGES
T-PHAGES</p> <p>B5
LAMINARIA
PROTOTHECA</p> <p>C1
PNEUMONIA, MYCOPLASMA (C8)</p> <p>C2
HEPATITIS, VIRAL, NON-A, NON-B (C6)
PICORNAVIRUS INFECTIONS
STOMATITIS, HERPETIC (C7)
VIREMIA</p> <p>C4
ACTH SYNDROME, ECTOPIC (C19)
BASAL CELL NEVUS SYNDROME (C5, C16)
BILIARY TRACT NEOPLASMS (C6)
COMMON BILE DUCT NEOPLASMS (C6)
DIGESTIVE SYSTEM NEOPLASMS (C6)
FIBROCYSTIC DISEASE OF BREAST (C19)
ILEAL NEOPLASMS (C6)
JAW CYSTS (C5)
JEJUNAL NEOPLASMS (C6)
LEUKEMIA L5178
LEUKEMIA P388
LYMPHANGIOMYOMA (C15)
LYMPHOMATOID GRANULOMATOSIS (C15, C23)
NERVOUS SYSTEM NEOPLASMS
PARANEOPLASTIC SYNDROMES</p> <p>C5
BASAL CELL NEVUS SYNDROME (C4, C16)
BONE DISEASES, METABOLIC
JAW CYSTS (C4)</p> <p>C6
BILE DUCT DISEASES
BILE DUCT OBSTRUCTION, EXTRAHEPATIC (C23)</p> |
|---|--|

C6 (con'd)
 BILIARY TRACT NEOPLASMS (C4)
 CHOLESTASIS, INTRAHEPATIC (C23)
 COMMON BILE DUCT DISEASES
 COMMON BILE DUCT NEOPLASMS (C4)
 DIGESTIVE SYSTEM DISEASES
 DIGESTIVE SYSTEM NEOPLASMS (C4)
 DUODENITIS
 HEMOBILIA (C23)
 HEPATITIS, VIRAL, NON-A, NON-B (C2)
 ILEAL DISEASES
 ILEAL NEOPLASMS (C4)
 JEJUNAL DISEASES
 JEJUNAL NEOPLASMS (C4)
 SIGMOID DISEASES
 SUPERIOR MESENTERIC ARTERY SYNDROME C16

C7
 JAW, EDENTULOUS
 JAW, EDENTULOUS, PARTIALLY
 PAROTID DISEASES
 PERIAPICAL DISEASES
 PERIAPICAL PERIODONTITIS
 STOMATITIS, HERPETIC (C2)

C8
 PNEUMONIA, MYCOPLASMA (C1)
 SLEEP APNEA SYNDROMES

C9
 AUDITORY DISEASES, CENTRAL (C10)
 AUDITORY PERCEPTUAL DISORDERS
 (C10, F3)
 RHINITIS, ALLERGIC, PERENNIAL
 (C20)
 RHINITIS, VASOMOTOR

C10
 ANOMIA (C23, F3)
 APHASIA, BROCA (C23, F3)
 APHASIA, WERNICKE (C23, F3)
 AUDITORY DISEASES, CENTRAL (C9)
 AUDITORY PERCEPTUAL DISORDERS
 (C9, F3)
 LANGUAGE DEVELOPMENT DISORDERS
 (C23, F3)
 VERTEBROBASILAR INSUFFICIENCY
 (C14)

C11
 ESOTROPIA

C13
 FALLOPIAN TUBE DISEASES

C14
 AORTITIS
 CARDIAC OUTPUT, LOW
 PERSISTENT FETAL CIRCULATION SYNDROME (C16)
 SICK SINUS SYNDROME
 VERTEBROBASILAR INSUFFICIENCY (C10)

C15
 ANEMIA, DYSERYTHROPOIETIC, CONGENITAL
 LYMPHANGIOMYOMA (C4)
 LYMPHOMATOID GRANULOMATOSIS (C4, C23)

C16
 BASAL CELL NEVUS SYNDROME (C4, C5)
 GONADAL DYSGENESIS
 GONADAL DYSGENESIS, 46,XY (C19)
 GONADAL DYSGENESIS, MIXED (C19)
 PERSISTENT FETAL CIRCULATION SYNDROME
 (C14)

C17
 HAIR DISEASES

C18
 HYPERCHOLESTEROLEMIA, FAMILIAL
 HYPERLIPIDEMIA, FAMILIAL COMBINED
 HYPERLIPOPROTEINEMIA
 HYPERLIPOPROTEINEMIA TYPE III
 HYPERLIPOPROTEINEMIA TYPE IV
 HYPERLIPOPROTEINEMIA TYPE V
 LIPOPROTEIN LIPASE DEFICIENCY,
 FAMILIAL

C19
 ACTH SYNDROME, ECTOPIC (C4)
 FIBROCYSTIC DISEASE OF BREAST (C4)
 GONADAL DYSGENESIS, 46,XY (C16)
 GONADAL DYSGENESIS, MIXED (C16)

C20
 RHINITIS, ALLERGIC, PERENNIAL (C9)

C21
 FLAIL CHEST

C23
 ANOMIA (C10, F3)
 APHASIA, BROCA (C10, F3)

C23 (con'd)
APHASIA, WERNICKE (C10, F3)
BILE DUCT OBSTRUCTION, EXTRAHEPATIC
(C6)
CHOLESTASIS, INTRAHEPATIC (C6)
CONNECTIVE TISSUE DISEASES
HEMOBILIA (C6)
INTRAOPERATIVE COMPLICATIONS
LANGUAGE DEVELOPMENT DISORDERS
(C10, F3)
LYMPHOMATOID GRANULOMATOSIS (C4,
C15)
RESPIRATORY SOUNDS (E1, G9)

D1
LIPID PEROXIDES (D10)
SULFUR HEXAFLUORIDE

D2
ACETYLPROCAINAMIDE (D18)
ALLYLGLYCINE (D12, D15)
ARBAPROSTIL (D10, D19, D24)
ARSENAZO III (D26)
CARBOPROST (D7, D10, D24)
CHLORFENVINPHOS (D5)
CLOFIBRIC ACID (D10)
DIFLUNISAL (D14, D26)
DIHYDROALPRENOLOL (D16)
16,16-DIMETHYLPROSTAGLANDIN E2
(D10, D19, D24)
DIPHENYLHEXATRIENE (D26)
FENDILINE (D18)
GLYCERALDEHYDE 3-PHOSPHATE (D9)
3-HYDROXY-3-METHYLGLUTARIC
ACID (D10)
IMIDOESTERS (D26)
PHENYLGLYOXAL (D8, D26)
PHOSPHOSERINE (D12)
PHOSPHOTHREONINE (D12)
PREDNIMUSTINE (D4, D22)
PROCETOFEN (D10)
QUINUCLIDINYL BENZILATE (D3, D16)
RIMANTADINE (D4, D20)
RO 10-9359 (D11, D26)
SITS
SULOCTIDIL (D18)
TIAPRIDE (D15)
TICRYNAFEN (D3, D18, D19)
TRICHLOROEOXYPROPANE (D8)

D3
AMINACRINE (D20, D26)

D3 (con'd)
AMINOACRIDINES
AMPYRONE (D14, D26)
CINOXACIN (D20)
DANITRACEN (D4, D23)
DYPHYLLINE (D16, D18)
LUMICOLCHICINES
MEPTAZINOL (D14)
METHOXYDIMETHYLTRYPTAMINE (D15, D16)
MUZOLIMINE (D19)
PENTOXYL
PRAJMALINE (D16, D18)
PRAZIQUANTEL (D21)
THIAZINAMIUM (D16, D23)
TICRYNAFEN (D2, D18, D19)
QUINUCLIDINYL BENZILATE (D2, D16)

D4
ANDROSTANOLS
DANITRACEN (D3, D23)
DIFLUCORTOLONE (D6, D26)
KETOCHOLESTEROLS (D10)
METHYLPREDNISOLONE SUCCINATE (D6)
MIBOLERONE (D6)
PREDNIMUSTINE (D2, D22)
RIMANTADINE (D2, D20)
URSODEOXYCHOLIC ACID (D19)

D5
CHLORFENVINPHOS (D2)

D6
ANDROGEN BINDING PROTEIN (D12)
DIFLUCORTOLONE (D4, D26)
METHYLPREDNISOLONE SUCCINATE (D4)
MIBOLERONE (D4)
PREGNANCY-ASSOCIATED ALPHA PLASMA
PROTEIN (D12)
PREGNANCY-ASSOCIATED BETA PLASMA
PROTEIN (D12)
PREGNANCY PROTEINS (D12)
PREGNANCY-SPECIFIC BETA
1-GLYCOPROTEIN (D12)
PREGNANCY ZONE PROTEINS (D12)
THYMIC FACTOR, CIRCULATING (D12)

D7
CARBOPROST (D2, D10, D24)

D8
ANTIPAIN (D12)
ANTIPLASMIN (D12, D19)

D8 (con'd)
 AROMATIC AMINO ACID DECARBOXYLASES
 ARYLAMINE ACETYLTRANSFERASES
 ATP-GUANOSINE PHOSPHATE
 PYROPHOSPHOTRANSFERASE
 CAPTOPRIL (D12, D18)
 CREATINE KINASE ISOENZYMES
 DIPEPTIDYL PEPTIDASES
 DNA GYRASE
 FORMATE DEHYDROGENASES
 HEME OXYGENASE
 LYSOPHOSPHOLIPASE
 NADH DEHYDROGENASE
 PHENYLGLYOXAL (D2, D26)
 PHOSPHOENOLPYRUVATE SUGAR
 PHOSPHOTRANSFERASE SYSTEM
 PHOSPHOLIPASE C
 PHOSPHOLIPASE D
 PHOSPHOLIPASES A
 PROLINE OXIDASE
 TRICHLOROEOXYPROPANE (D2)

D9
 ADENOSINE DIPHOSPHATE RIBOSE (D13)
 CYCLODEXTRINS
 GLYCERALDEHYDE 3-PHOSPHATE (D2)
 GUM ARABIC (D26)

D10
 ARBAPROSTIL (D2, D19, D24)
 CARBOPROST (D2, D7, D24)
 CLOFIBRIC ACID (D2)
 16,16-DIMETHYLPROSTAGLANDIN E2
 (D2, D19, D24)
 3-HYDROXY-3-METHYLGLUTARIC ACID
 (D2)
 KETOCHOLESTEROLS (D4)
 LIPID BILAYERS (H1)
 LIPID PEROXIDES (D1)
 LIPOPROTEIN-X (D12)
 PROCETOFEN (D2)

D11
 RO 10-9359 (D2, D26)

D12
 ALLYLGLYCINE (D2, D15)
 ANDROGEN BINDING PROTEIN (D6)
 ANTIPAIN (D8)
 ANTIPLASMIN (D8, D19)
 BETA-THROMBOGLOBULIN
 CALCIUM-BINDING PROTEINS

D12 (con'd)
 CAPTOPRIL (D8, D18)
 FIBRONECTINS
 LIPOPROTEIN-X (D10)
 NUCLEOSOMES (A11)
 PHOSPHOSERINE (D2)
 PHOSPHOTHREONINE (D2)
 PREGNANCY-ASSOCIATED ALPHA PLASMA
 PROTEIN (D6)
 PREGNANCY-ASSOCIATED BETA PLASMA
 PROTEIN (D6)
 PREGNANCY PROTEINS (D6)
 PREGNANCY-SPECIFIC BETA
 1-GLYCOPROTEIN (D6)
 PREGNANCY ZONE PROTEINS (D6)
 1-SARCOSINE-8-ISOLEUCINE ANGIOTENSIN
 II (D24)
 THYMIC FACTOR, CIRCULATING (D6)

D13
 ADENOSINE DIPHOSPHATE RIBOSE (D9)
 CYTIDINE CYCLIC MONOPHOSPHATE
 DNA, FUNGAL
 NUCLEIC ACID HETERODUPLEXES
 NUCLEOSIDE Q
 RNA CAP ANALOGS
 RNA CAPS
 RNA, DOUBLE-STRANDED
 RNA, FUNGAL

D14
 AMPYRONE (D3, D26)
 DIFLUNISAL (D2, D26)
 MEPTAZINOL (D3)

D15
 ALLYLGLYCINE (D2, D12)
 METHOXYDIMETHYLTRYPTAMINE (D3, D16)
 TIAPRIDE (D2)

D16
 DIHYDROALPRENOLOL (D2)
 DYPHYLLINE (D3, D18)
 METHOXYDIMETHYLTRYPTAMINE (D3, D15)
 PRAJMALINE (D3, D18)
 QUINUCLIDINYL BENZILATE (D2, D3)
 THIAZINAMIUM (D3, D23)

D18
 ACETYLPROCAINAMIDE (D2)
 CAPTOPRIL (D8, D12)
 CARDIOTONIC AGENTS

D18 (con'd)
 DYPHYLLINE (D3, D16)
 FENDILINE (D2)
 PRAJMALINE (D3, D16)
 SULOCTIDIL (D2)
 TICRYNAFEN (D2, D3, D19)

D19
 ANTIPLASMIN (D8, D12)
 ARBAPROSTIL (D2, D10, D24)
 16,16-DIMETHYLPROSTAGLANDIN E2
 (D2, D10, D24)
 MUZOLIMINE (D3)
 TICRYNAFEN (D2, D3, D18)
 URSODEOXYCHOLIC ACID (D4)

D20
 AMINACRINE (D3, D26)
 CEFACLOR
 CEFUROXIME
 CINOXACIN (D3)
 CLOACIN (D24)
 RIMANTADINE (D2, D4)

D21
 PRAZIQUANTEL (D3)

D22
 PREDNIMUSTINE (D2, D4)

D23
 DANITRACEN (D3, D4)
 THIAZINAMIUM (D3, D16)

D24
 ARBAPROSTIL (D2, D10, D19)
 CARBOPROST (D2, D7, D10)
 CHEMOTACTIC FACTORS
 CHEMOTACTIC FACTORS, EOSINOPHIL
 CHEMOTACTIC FACTORS, MACROPHAGE
 CLOACIN (D20)
 16,16-DIMETHYLPROSTAGLANDIN E2
 (D2, D10, D19)
 LEUKOCYTE MIGRATION INHIBITORY
 FACTORS
 RECEPTORS, ANTIGEN (G4, G6)
 RECEPTORS, ANTIGEN, B-CELL (G4,
 G6)
 RECEPTORS, ANTIGEN, T-CELL (G4,
 G6)
 RECEPTORS, COMPLEMENT (G4, G6)
 RECEPTORS, FC (G4, G6)

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D26
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 BRONCHIAL PROVOCATION TESTS
 DICHOTIC LISTENING TESTS
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 WHOLE BLOOD COAGULATION TIME

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 BRACHYTHERAPY
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E2 (con'd)
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GRAFT ENHANCEMENT, IMMUNOLOGIC (E5)
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E4
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AUDITORY PROSTHESIS (E7)
CEREBRAL REVASCLARIZATION
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E6
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E7
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F2
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PITCH PERCEPTION

F2 (con'd)
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APHASIA, ACQUIRED
APHASIA, BROCA (C10, C23)
APHASIA, CHILDHOOD
APHASIA, WERNICKE (C10, C23)
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G4
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RECEPTORS, ANTIGEN, B-CELL (D24, G6)
RECEPTORS, ANTIGEN, T-CELL (D24, G6)
RECEPTORS, COMPLEMENT (D24, G6)
RECEPTORS, FC (D24, G6)
RECEPTORS, IMMUNOLOGIC (D24, G6)
RECEPTORS, MITOGEN (D24, G6)
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G5
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G5 (con'd)
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GENE AMPLIFICATION (E5)
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GENETIC MARKER
GENETIC VECTORS
INSERTION SEQUENCE ELEMENTS
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G6
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RECEPTORS, ANTIGEN, T-CELL (D24, G4)
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G8
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G9
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G11
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G11 (con'd)
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G12
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H1
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POLITICAL SYSTEMS
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J1
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K1
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L1
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DELPHI TECHNIC
DIFFUSION OF INNOVATION
INTERVIEWS
MASS MEDIA
MICROCOMPUTERS
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M1
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INPATIENTS
MEN
OUTPATIENTS
TRUSTEES (N2, N4)

N1
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N2
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N2 (con'd)
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APPROPRIATENESS REVIEW
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CAPITAL FINANCING
CREDENTIALING
HEALTH PLAN IMPLEMENTATION
HEALTH PLANNING COUNCILS
HEALTH PLANNING GUIDELINES
HEALTH PLANNING ORGANIZATIONS
HEALTH PLANNING SUPPORT
HEALTH PLANNING TECHNICAL
ASSISTANCE
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N3 (con'd)
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HEALTH SERVICES RESEARCH
HEALTH SYSTEMS PLANS
INFLATION, ECONOMIC
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NATIONAL HEALTH PLANNING INFORMATION
CENTER
POLICY MAKING
RATE SETTING AND REVIEW
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AGENCIES
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TECHNOLOGY, HIGH-COST
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N4
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QUALITY ASSURANCE, HEALTH CARE
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Acanthosis Nigricans	C17.621.49	C17.621.530.100
Acetyl Coenzyme A	D8.176.211.259 D13.695.667.138.382.259 D13.695.827.68.382.259	D8.176.211.300.75 D13.695.667.138.382.259 D13.695.827.68.382.259
Acetyldigoxins	D4.808.155.160.349.50 D9.203.408.180.261.436.50 D18.267.324.386.42	D4.808.155.160.349.50 D9.203.408.180.261.436.50 D18.222.175.324.386.42
Acoustic Nerve Diseases	C10.772.204.25	C9.218.807.23 C10.772.204.25
Acridine Orange	D3.494.46.150 D26.408.24 D26.408.348.24	D3.494.46.250.150 D26.408.24 D26.408.348.24
Acriflavine	D3.494.46.177 D26.408.348.177	D3.494.46.250.177 D26.408.348.42
Acromioclavicular Joint	A2.835.583.747.26	A2.835.583.32
Adie's Syndrome	C10.597.704.180 C11.716.180 C23.888.357.69 C23.888.592.717.180	C10.597.704.180 C11.716.180 C23.888.592.717.180
Adolescent Psychiatry	F4.96.544.65 G2.403.776.791.98	F4.96.544.65 G2.403.642.80
Aggression	F1.145.32 F3.126.842.89	F1.145.40.28 F3.126.842.89
Agonistic Behavior	F1.145.32.268	F1.145.40.28.20
Agraphia	C10.597.117.184 C23.888.592.114.184 F3.126.557.289.184	C10.597.531.114.184 C23.888.592.531.114.184 F3.126.557.289.184
Alkaptonuria	C18.452.648.66.187	C18.452.648.66.187 C23.205.87
Alveolectomy	E4.833.65 E6.892.65	E4.833.800.140 E6.892.800.140
Alveoloplasty	E4.833.106 E6.892.106	E4.833.800.180 E4.892.800.180
Amblyopia	C10.597.751.941.73 C11.966.73 C23.888.357.134 C23.888.592.763.941.73	C10.597.751.941.73 C11.966.73 C23.888.592.763.941.73
Ameloblastoma	C4.557.537.689.149	C4.557.537.789.149 C5.499.690.100
Androsterone	D4.808.54.129 D4.808.578.502.195 D6.472.40.502.195 D6.472.79.195 D6.472.866.154.195	D4.808.54.40.129 D4.808.578.502.195 D6.472.40.502.195 D6.472.79.195 D6.472.866.154.195
Anesthesiology	G2.403.776.59	G2.403.790.80
Ankle	A1.378.592.116 A2.835.583.61	A1.378.592.116
Ankle Joint	A2.835.583.61.283	A2.835.583.62
Anoplura	B1.131.617.755.514.159	B1.131.617.564.159

TREE NUMBER CHANGES

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Anthranilate Phosphoribosyltransferase	D8.586.913.647.100	D8.586.600.75 D8.586.913.647.100
Anthranilate Synthase	D8.586.520.567.175	D8.586.520.567.175 D8.586.600.85
Aortitis, Syphilitic	C1.252.847.840.744.657.289 C14.728.289 C14.907.109.339 C14.907.940.85	C1.252.847.840.744.657.289 C14.728.289 C14.907.109.320.82 C14.907.940.80.82
Aortocoronary Bypass	E4.752.376.719.289 E4.874.292.719.289	E4.752.376.719.289 E4.920.490.630.100
Aphasia	C10.597.117 C10.597.843.164 C23.888.592.114 C23.888.592.852.164 F3.126.557.289 F3.126.867.122	C10.597.531.114 C10.597.843.164 C23.888.592.531.114 C23.888.592.852.164 F3.126.557.289 F3.126.867.122
Arachnoidactyly	C5.116.99.107 C16.131.77.91	C5.116.99.107 C16.131.77.91 C23.205.200.91
Art Therapy	E2.831.489.209 F4.754.70	E2.831.100 F4.754.70
Arthritis, Juvenile Rheumatoid	C5.550.114.154.114 C5.799.114.114 C23.200.99.293	C5.550.114.154.114 C5.799.114.114 C23.205.200.732.99.114
Arthritis, Rheumatoid	C5.550.114.154 C5.799.114 C23.200.99	C5.550.114.154 C5.799.114 C23.205.200.732.99
Asbestos	D1.578.210	D1.578.210 D26.191.81
Atropine	D3.132.760.180.297 D3.132.889.180.297 D3.605.869.189 D16.653.118.62	D3.132.760.180.297 D3.132.889.180.297 D3.605.869.189 D16.653.865.62
Audiology	G2.403.60	G2.20
Belladonna Alkaloids	D3.132.760.180 D3.132.889.180 D16.653.118	D3.132.760.180 D3.132.889.180
Benzene	D2.455.426.559.222	D2.455.426.559.222 D26.191.101
Bile Duct Neoplasms	C4.588.274.129 C6.130.121	C4.588.274.120.250 C6.130.120.120
Bile Ducts, Intrahepatic	A3.159.183.158	A3.159.183.158 A3.620.150
Bioplerin	D3.438.733.100	D3.438.733.100 D8.176.90 D11.303.180
Biuret	D2.948.130 D26.550.50	D2.948.130 D26.550.81
Blade Implantation	E4.833.334.310.150 E6.231.310.340 E6.780.314.310.340 E6.892.334.310.340	E4.833.800.310.310.150 E6.231.310.340 E6.780.314.310.340 E6.892.800.310.310.150
Blastocyst	A5.360.490.690.150	A16.254.85

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	A11.497.497.312 A16.950.162	
Blastoderm	A16.950.162.312	A16.254.85.67
Blepharoptosis	C11.338.204 C23.888.357.228	C11.338.204
Blister	C17.816.187 C23.888.885.118	C17.816.187
Blood Cell Count	E1.223.459.107	E1.223.459.107 G7.380.107
Botulinum Toxins	D16.653.203.193 D24.185.926.123.179	D16.653.147 D24.185.926.123.179
Bufofentin	D3.438.473.914.814.150 D15.236.372.163 D24.185.965.33.163	D3.438.473.914.237.150 D3.438.473.914.814.150 D15.236.372.163 D24.185.965.33.163
Bungarotoxins	D16.653.203.323 D24.185.965.850.325.139	D16.653.154 D24.185.965.850.325.139
Butylscopolammonium Bromide	D3.132.889.848.661.200 D3.605.869.900.700.200 D16.653.118.826.128 D16.653.396.128	D3.132.889.848.661.200 D3.605.869.900.700.200 D16.653.396.128 D16.653.865.826.128
C 283	D3.494.46.400 D22.204.282	D3.494.46.250.400 D22.204.282
Calcium-Binding Protein, Vitamin D-Dependent	D12.776.157.130	D12.776.157.125.130
Calcium-Dependent Regulator	D12.776.157.140	D12.776.157.125.140
Cannocenin Theietoside	D4.808.155.160.135 D9.203.408.180.135 D18.267.190	D4.808.155.160.135 D9.203.408.180.135 D18.222.175.190
Caplan's Syndrome	C5.550.114.154.219 C5.799.114.219 C8.381.655.361 C21.447.800.409	C5.550.114.154.219 C5.799.114.219 C8.381.655.361 C21.447.800.409 C23.205.200.732.99.219
Cardiac Glycosides	D9.203.408.180 D18.267	D9.203.408.180 D18.222.175
Cardiac Pacing, Artificial	E5.152	E2.145 E4.752.376.170
Carminomycin	D9.203.408.51.140 D20.85.75.275 D22.204.106.275	D9.203.408.51.140 D20.85.75.354.168 D22.204.106.356.168
Cartilage Diseases	C5.182	C5.182 C23.205.182
Cefoxitin	D20.85.195.134	D20.85.195.500.174
Cell Count	E5.909.262.195	E5.909.262.195 G7.380
Cellulitis	C1.539.181 C17.838.138	C1.539.181 C17.838.138 C23.205.185
Cementoma	C4.557.537.689.698.165	C4.557.537.789.250 C5.500.499.690.250

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Child Guidance Clinics	N2.278.203.180.310	N2.278.35.158.300
Child Psychiatry	F4.96.544.193 G2.403.776.791.259	F4.96.544.193 G2.403.642.130 G2.403.790.600.258
Cholangitis	C6.130.346	C6.130.120.200
Cholelithiasis	C6.130.409	C6.130.409 C6.130.564.300
Cholestasis	C6.130.687.347 C6.552.547.347 C23.888.498.650.347	C6.130.450 C23.888.498.250
Cholestyramine	D10.162.202.159 D26.572.133.397	D10.162.202.159 D25.720.716.579.159 D26.572.133.397
Cholinergic Fibers	A8.663.542.234	A8.99.698.200 A8.663.542.234
Choristoma	C4.557.537.238	C4.131
Cicatrix	A10.424.351 C23.888.885.212	A10.424.351 C17.120
Cleft Palate	C16.131.621.514.185 C16.131.858.351	C16.131.314.687.185 C16.131.621.514.185 C16.131.858.351
Clofibrate	D10.162.202.228	D2.241.81.161.390 D2.241.81.465.240.350 D10.162.202.228
Clot Retraction	E1.223.459.153.228	E1.223.459.770.250
Colestipol	D2.92.782.200 D10.162.290 D25.720.200	D2.92.782.200 D10.162.290 D25.720.200 D26.572.133.401
Collagen Diseases	C23.200	C23.205.200
Collapse Therapy	E4.874.607.231	E4.920.800.250
Common Bile Duct Calculi	C6.130.409.357	C6.130.120.250.250 C6.130.409.357
Community Health Centers	N2.278.203.155	N2.278.35.128
Community Medicine	G2.403.140	G2.403.220
Community Mental Health Centers	N2.278.203.180	N2.278.35.158
Computers	L1.382.119.200 L1.417.208	L1.382.119.200
Computers, Analog	L1.382.119.200.100 L1.417.208.233	L1.382.119.200.100
Computers, Hybrid	L1.382.119.200.130 L1.417.208.483	L1.382.119.200.130
Convallaria Glycosides	D9.203.408.180.173 D18.267.235	D9.203.408.180.173 D18.222.175.235
Crossing Over (Genetics)	G5.148.364	G5.148.168.260 G5.832.260
Croton Oil	D10.516.627.315	D10.516.627.315 D26.121.208

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		D26.368.238
Cruveilhier-Baumgarten Syndrome	C6.552.630.216	C6.552.494.250
Cutis Laxa	C17.150	C17.150 C23.205.230
Cyanoacrylates	D2.241.81.69.366 D25.720.259 D25.919.367 D26.920.367	D2.241.81.69.366 D25.720.259 D25.919.367
Cyanosis	C23.888.885.284	C23.888.284
Cymarine	D4.808.155.160.861.250 D9.203.408.180.810.250 D18.267.810.250	D4.808.155.160.861.250 D9.203.408.180.810.250 D18.222.175.810.250
Dacarbazine	D2.925.200 D3.383.374.240 D22.204.382	D2.925.200 D3.383.374.240 D22.204.57.269
Data Display	F2.784.412.221 L1.382.119.246	F2.784.412.221 L1.382.460
Dataphone	L1.178.847.698.372 L1.417.748.372	L1.178.847.698.372
Decompression	H1.671.691.250	E5.245 H1.671.691.250
Densitometry, X-Ray	E1.818.837.250 E5.196.712.224.375	E1.818.210 E5.196.712.224.375
Dental Implantation	E4.833.334 E6.231 E6.780.314 E6.892.334	E4.833.800.310 E6.231 E6.780.314 E6.892.800.310
Dental Implantation, Endosseous	E4.833.334.310 E6.231.310 E6.780.314.310 E6.892.334.310	E4.833.800.310.310 E6.231.310 E6.780.314.310 E6.892.800.310.310
Dentigerous Cyst	C4.182.581.294	C4.182.89.530.690.310 C5.500.470.690.310
Dentistry, Operative	E6.323	E6.323 G2.163.180
Dermatomyositis	C5.651.594.297 C17.185 C23.200.241	C5.651.594.297 C17.185 C23.205.200.241
Deslanoside	D9.203.408.180.261.657.200 D18.267.324.632.200	D9.203.408.180.261.657.200 D18.222.175.324.542.200
Digitalis Glycosides	D9.203.408.180.261 D18.267.324	D9.203.408.180.261 D18.222.175.324
Digitoxin	D4.808.155.160.278 D9.203.408.180.261.336 D18.267.324.261	D4.808.155.160.278 D9.203.408.180.261.336 D18.222.175.324.261
Digoxin	D4.808.155.160.349 D9.203.408.180.261.436 D18.267.324.386	D4.808.155.160.349 D9.203.408.180.261.436 D18.222.175.324.386
Dimethoprine	D2.33.329.291.290 D2.92.63.291.290 D16.893.116.182.158	D2.33.329.291.290 D2.92.63.291.290 D16.893.116.182.158 D18.222.863.252

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Dimethyl Adipimidate	D2.241.81.337.52.250 D2.478.175 D26.550.238	D2.241.81.337.52.250 D2.478.400.175 D26.550.430.175
Dimethyl Suberimidate	D2.478.200	D2.478.400.200 D26.550.430.200
Diplopia	C10.597.622.447.333 C10.597.751.941.339 C11.966.339 C23.888.357.361 C23.888.592.636.447.333 C23.888.592.763.941.339	C10.597.622.447.333 C10.597.751.941.339 C11.966.339 C23.888.592.636.447.333 C23.888.592.763.941.339
DNA Tumor Viruses	B4.909.574.204	B4.909.204.210 B4.909.574.204
Dobutamine	D2.92.311.220 D2.92.471.683.410 D16.893.116.348.275	D2.92.311.220 D2.92.471.683.410 D16.893.116.348.275 D18.222.863.259
Dopa Decarboxylase	D8.586.520.258.267	D8.586.520.258.90.267
Dopamine	D2.92.311.342 D16.538.267	D2.92.311.342 D16.538.267 D16.893.116.182.267 D18.222.863.267
Double-Blind Method	E5.318.180 H1.770.644.728.300	H1.770.644.728.300
Dromostanolone	D4.808.54.293 D6.597.100.194.179 D22.204.415	D4.808.54.40.293 D6.597.100.194.179 D22.204.415
Drug Evaluation	E5.337.310 G12.330	E5.337.310
Drug Screening	E5.337.477 G12.423	E5.337.477
Dupuytren's Contracture	C5.651.197.270	C5.651.197.270 C23.205.270
Dyslexia	F3.126.557.289.380	C10.597.531.350 C23.888.592.531.350 F3.126.557.380
Dyslexia, Acquired	C10.597.117.354 C23.888.592.114.354 F3.126.557.289.380.250	C10.597.531.350.354 C23.888.592.531.350.354 F3.126.557.380.250
Echolalia	F3.126.867.397	C10.597.843.384 C23.888.592.852.384 F3.126.867.397
Ectoderm	A16.950.395.273	A16.254.425.273
Ehlers-Danlos Syndrome	C17.827.428	C17.827.428 C23.205.200.310
Elbow	A1.378.209.235 A2.835.583.289	A1.378.209.235
Elbow Joint	A2.835.583.289.402	A2.835.583.290
Electric Countershock	E2.344 E4.752.376.235 E4.874.292.235	E2.344 E4.752.376.235 E4.920.490.360
Emergency Medicine	G2.403.180	G2.403.790.160

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Endoderm	A16.950.395.407	A16.254.425.407
Enzyme-Linked Immunosorbent Assay	E1.223.826.260 E5.478.567.360 E5.478.590.520 E5.478.595.360	E1.223.826.260 E5.478.567.350.360 E5.478.567.380.360
Epidemiology	G2.403.210	G2.403.290
Epinephrine	D2.92.311.461 D16.116.327 D16.538.348 D16.893.116.182.223 D16.893.116.348.286	D2.92.311.461 D16.116.327 D16.538.348 D16.893.116.182.348 D16.893.116.348.286 D18.222.863.348
Erythema	C17.229 C23.888.885.385	C17.229
Erythrocyte Count	E1.223.459.107.330	E1.223.459.107.330 G7.380.107.330
Ethacridine	D3.494.46.450 D20.187.255	D3.494.46.250.450 D20.187.255
Etiocolanolone	D4.808.54.368 D4.808.578.502.583 D6.472.40.502.583 D6.472.79.500 D6.472.866.154.500 D24.185.733.418	D4.808.54.40.368 D4.808.578.502.583 D6.472.40.502.583 D6.472.79.500 D6.472.866.154.500 D24.185.733.418
Evoked Potentials	G11.561.450.100.300 G7.453.697.400	G11.561.450.100.300 G7.453.697.100.300
allopian Tube Neoplasms	C4.588.945.418.365 C13.371.56.373	C4.588.945.418.365 C13.371.56.390.390
Feline Infectious Anemia	C1.850.65.435.372 C22.180.400	C1.850.65.372 C22.180.400
Felty's Syndrome	C5.550.114.154.389 C5.799.114.389	C5.550.114.154.389 C5.799.114.389 C23.205.200.732.99.389
Fertilization in Vitro	E5.820.150.410 G8.520.277.320	E5.820.490 G8.520.277.320
Fibrositis	C5.651.324 C5.799.321	C5.651.324 C5.799.321 C23.205.200.732.321
Fixation, Ocular	G11.697.464	G11.697.384.253
Fleas	B1.131.617.869.431	B1.131.617.364
Fluocortolone	D4.808.745.432.719.320 D4.808.908.405 D6.597.481.364.325 D6.597.481.561.353.480 D6.597.481.561.478.440 D26.74.148.447.335 D26.368.99.447.335	D4.808.745.432.719.320 D4.808.908.405 D6.597.481.364.325 D6.597.481.561.353.480 D26.74.148.447.335 D26.368.99.447.335
Forensic Medicine	G2.403.776.267 I1.198.560	G2.403.790.200 I1.198.560
Forensic Psychiatry	F4.96.544.335 G2.403.776.791.434 I1.198.560.469 I1.880.604.583.310 N3.706.535.351	F4.96.544.335 G2.403.642.208 I1.198.560.469 I1.880.604.583.310 N3.706.535.351

TREE NUMBER CHANGES

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PRINT HEADING	1979 MESH TREE NUMBER	1980 MESH TREE NUMBER
Gallbladder Neoplasms	C4.588.274.402 C6.130.564.522	C4.588.274.120.401 C6.130.564.522
Game Theory	F2.235 F4.669.403 H1.548.490	F4.669.880.402 H1.548.490
Games, Experimental	F2.235.356 H1.548.490.356	F4.669.880.402.360 H1.548.490.356
Genetic Intervention	G5.358.593 E5.393.420	E5.393.420
Geriatric Psychiatry	F4.96.544.380 G2.403.776.791.550	F4.96.544.380 G2.403.642.260
Geriatrics	G2.403.295	G2.403.398
Germ Layers	A16.950.395	A16.254.425
Glucagon	D6.472.610.364	D6.472.610.364 D19.316.629.451
Goldenhar Syndrome	C5.116.99.246.307 C16.131.621.246.307	C5.116.99.246.650.307 C16.131.621.246.650.307
Gonadotropins, Chorionic	D6.472.351.326 D6.472.759.367	D6.472.351.326 D6.472.759.367 D6.472.785.400 D12.776.780.400
Gynecology	G2.403.776.342	G2.403.810.310
Hair Dyes	D26.313.300 D26.408.355 J1.516.213.426	D26.313.300.299 D26.408.355 J1.516.213.450.426
Hay Fever	C8.674.425 C9.603.407 C20.543.480.680.425	C8.674.425 C9.603.799.407 C20.543.480.680.425
Health Planning	I1.880.709.507 N3.349	N3.349
Health Services Needs and Demand	N3.349.360	N3.349.380.420
Health Systems Agencies	N3.349.650.300 N3.540.460	N3.540.452.508.440
Hearing Loss, Central	C9.218.458.500.481.432	C9.218.458.500.481.432 C9.218.807.186.432 C10.228.140.68.432
Heart Arrest, Induced	E4.752.376.374 E4.874.292.374	E4.752.376.374 E4.920.490.460
Heart Massage	E2.365.647.375 E4.752.376.458 E4.874.292.458	E2.365.647.375 E4.752.376.458 E4.920.490.490
Heart Surgery	E4.752.376 E4.874.292 G2.403.776.909.265	E4.752.376 E4.920.490
Heart Valve Prosthesis	E4.659.459 E4.752.376.541 E4.874.292.541 E7.858.565.509	E4.659.459 E4.752.376.541 E4.920.490.520 E7.858.565.509
Hemicholinium 3	D16.653.203.587	D2.92.102.435 D2.675.276.435 D16.653.429

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Hemochromatosis	C17.621.378 C18.452.648.618.337	C18.452.648.618.337
Hepatitis Virus, Mouse	B4.909.777.779.340	B4.909.403.760 B4.909.777.199.460 B4.909.777.779.3+0
Heptaminol	D2.33.329.350 D2.92.63.350 D16.893.216.533	D2.33.329.350 D2.92.63.350 D16.893.216.533 D18.222.863.433
Heroin Addiction	F3.709.597.285.220.85	F3.709.597.285.665.440
Hip	A1.378.592.467 A2.835.583.410	A1.378.592.467
Hip Joint	A2.835.583.410.468	A2.835.583.411
Hirsutism	C17.805.305.470 C19.391.922.468 C23.888.885.496	C17.805.305.470 C19.391.922.468
Homocystinuria	C10.228.140.163.428 C10.496.363 C18.452.648.66.470 F3.709.346.378	C10.228.140.163.428 C10.496.363 C18.452.648.66.470 C23.205.428 F3.709.346.378
Horner's Syndrome	C10.120.522 C11.600.555 C11.716.555 C23.888.357.499	C10.120.522 C11.600.555 C11.716.555
Hospital Distribution Systems	N4.452.442.450	N2.278.354.446 N4.452.442.450
Hospital Shared Services	N2.278.354.623 N4.452.442.623	N2.278.354.480 N4.452.442.458 N4.452.5+0.308
Hospital Shops	N2.278.354.700	N2.278.354.520 N4.452.442.461
Hospitals, Teaching	N2.278.421.639	N2.278.20.300 N2.278.421.639
Hospitals, University	N2.278.421.639.725	N2.278.20.300.310 N2.278.421.639.725
Hypohidrosis	C17.805.843.350 C23.888.885.520	C17.805.843.350
Hypohidrosis	C17.805.843.370 C23.888.885.540	C17.805.843.370
ICR 170	D2.455.526.728.650.400 D3.494.46.530 D22.204.57.649.370	D2.455.526.728.650.400 D3.494.46.250.530 D22.204.57.649.370
Ileitis	C6.405.469.416	C6.405.469.420.520
Immunization	E2.95.377 G3.770.670.310 G3.850.180.460	E2.95.377 E5.478.550 G3.770.670.310 G3.850.180.460
Immunization, Secondary	E2.95.377.485	E2.95.377.485 E5.478.550.550
Immunoenzyme Techniques	E5.478.590	E5.478.567.350

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Immunoglobulin Constant Region	D12.776.124.486.485.680.10 D24.611.125.600.626 D24.611.125.600.662.370.953 G6.184.154.408.626	D12.776.124.486.485.680.10 D24.611.125.600.626 D24.611.125.600.662.370.953
Immunosorbent Technics	E5.478.595	E5.478.567.380
Immunosuppression	E2.95.449	E2.95.449 E5.478.610
Inbreeding	G5.358.209.487 G5.414.133.403 E5.820.150.520	G5.414.133.403 E5.820.150.520
Information Theory	F2.330 F4.669.524 L1.488	F4.669.880.483 L1.488
Internal Mammary Artery Implantation	E4.752.376.719.520 E4.874.292.719.520	E4.752.376.719.520 E4.920.490.630.510
Internal Mammary-Coronary Artery Anastomosis	E4.752.376.719.570 E4.874.292.719.570	E4.752.376.719.570 E4.920.490.630.540
Inventories, Hospital	N2.278.354.475.310 N4.452.442.475.310	N2.278.354.608.310 N4.452.442.475.310
Isoproterenol	D2.33.329.291.439 D2.92.63.291.439 D2.92.311.649 D16.116.498 D16.893.116.348.436	D2.33.329.291.439 D2.92.63.291.439 D2.92.311.649 D16.116.498 D16.893.116.348.436 D18.222.863.516
Jogging	I3.450.642.845.500	I3.450.642.845.610.320
Joint Commission on Accreditation of Hospitals	N3.706.110.70.410 N3.706.110.76.410	N3.706.110.70.410
Joint Prosthesis	E4.557.541 E4.659.550 E7.858.442.499 E7.858.565.600	E4.557.168.530 E4.659.550 E7.858.442.499 E7.858.565.600
Keloid	C17.405 C23.868.865.212.501	C17.405
Killer Cells	A11.118.637.555.427 A15.145.229.637.555.427 A15.520.520.427	A11.118.637.555.604.531 A15.145.229.637.555.604.531 A15.520.520.604.531
Kinky Hair Syndrome	C10.228.140.163.520 C18.452.648.618.590 F3.709.346.465	C10.228.140.163.520 C18.452.648.618.590 C23.205.520 F3.709.346.465
Knee	A1.378.592.586 A2.835.583.474	A1.378.592.586
Knee Joint	A2.835.533.474.421	A2.835.583.475
Lactose Phosphotransferase	D8.586.600.525 D8.586.913.696.380	D8.586.600.700.525 D8.586.913.696.580.380
Lanatosides	D9.203.408.180.261.657 D18.267.324.632	D9.203.408.180.261.657 D18.222.175.324.542
Language Disorders	F3.126.557	C10.597.531 C23.888.592.531 F3.126.557
Lead Poisoning	C21.447.571	C21.613.589

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	C21.613.589	
Lentigo	C17.621.468	C17.621.530.550
Leukocyte Count	E1.223.459.107.595	E1.223.459.107.595 G7.380.107.595
Lice	B1.131.617.755.514	B1.131.617.564
Lipochondrodystrophy	C5.116.99.377.641 C5.116.198.349 C18.452.648.202.715.599 F3.709.346.536	C5.116.99.377.641 C5.116.198.349 C18.452.648.202.715.599 C23.205.615.536 F3.709.346.536
Liver	A3.159.642	A3.620
Liver Cirrhosis, Biliary	C6.552.630.400	C6.130.450.250.250 C6.552.150.250 C6.552.630.400 C23.888.498.250.250.612
Lumbago	C23.888.592.612.107.519	C10.597.617.152.519 C23.888.592.612.107.519
Lupus Erythematosus, Systemic	C17.490 C23.200.436	C17.490 C23.205.200.436
Lymphocyte Depletion	E2.95.449.521	E2.95.449.521 E5.478.610.570
Lymphocyte Transformation	G4.610.555.714.671	E5.478.680 G4.610.555.714.671
Mallophaga	B1.131.617.755.514.524	B1.131.617.564.524
Marketing of Health Services	N3.349.340.500	N3.349.440
Masticatory Muscles	A2.633.338.527	A2.633.560
Materials Management, Hospital	N2.278.354.475 N4.452.442.475	N2.278.354.608 N4.452.442.475
Maternal-Child Health Centers	N2.278.203.330	N2.278.35.310
Medication Systems, Hospital	N2.278.354.523 N4.452.442.523 N4.452.528.473	N2.278.354.645 N4.452.442.523 N4.452.528.473
Medigoxin	D4.808.155.160.349.500 D9.203.408.180.261.436.500 D18.267.324.386.595	D4.808.155.160.349.500 D9.203.408.180.261.436.500 D18.222.175.324.595
Mesoderm	A16.950.395.660	A16.254.425.660
Mesterolone	D4.808.54.831.450 D6.597.100.194.400	D4.808.54.40.831.450 D6.597.100.194.400
Metaraminol	D2.33.329.624.706.500 D2.92.63.624.706.500 D16.848.315.453 D16.893.116.182.789.500 D18.793.499	D2.33.329.624.706.500 D2.92.63.624.706.500 D16.848.315.453 D16.893.116.182.789.500 D18.222.863.585 D18.793.499
Mikulicz' Disease	C7.465.815.355	C7.465.815.355 C23.205.530
Military Medicine	G2.403.442	G2.403.458
Mixed Connective Tissue Disease	C23.200.451	C23.205.200.451

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Models, Neurological	H1.770.461.595	H1.770.461.395.642
Models, Psychological	H1.770.461.695	F4.669.880.580 H1.770.461.695
Morphine Addiction	F3.709.597.285.220	F3.709.597.285.665.600
Mouth, Edentulous	C7.465.545	C7.465.340.630
Mucocutaneous Lymph Node Syndrome	C14.907.184.520 C14.907.940.90.622 C15.604.560	C14.907.184.520 C14.907.940.90.622 C15.604.560 C23.205.560
Mucopolysaccharidosis	C18.452.648.202.715	C18.452.648.202.715 C23.205.615
Mucopolysaccharidosis 3	C18.452.648.202.715.650	C18.452.648.202.715.650 C23.205.615.650
Mucopolysaccharidosis 5	C18.452.648.202.715.660	C18.452.648.202.715.660 C23.205.615.660
Mucopolysaccharidosis 6	C18.452.648.202.715.670	C18.452.648.202.715.670 C23.205.615.670
Mumps	C2.782.660.625 C7.465.815.464.550	C2.782.660.625 C7.465.815.470.800.630
Music Therapy	E2.831.489.635 F4.754.549	E2.831.440 F4.754.549
Myocardial Revascularization	E4.752.376.719 E4.874.292.719	E4.752.376.719 E4.920.490.630
Myositis Ossificans	C5.651.594.638	C5.651.594.638 C23.205.638
Naval Medicine	G2.403.507	G2.403.478
Neoplasms, Connective Tissue	C4.557.499	C4.557.499 C23.205.689
Neoplastic Endocrine-Like Syndromes	C4.713 C19.576	C4.730.713 C19.576
Neurology	G2.403.776.505	G2.403.790.462
Neuroma, Acoustic	C4.557.652.576.15 C4.588.614.596.240.15 C10.772.204.192.675	C4.557.652.576.15 C4.588.614.596.240.15 C9.218.807.23.675 C10.772.204.192.675
Neurosurgery	E4.530 G2.403.776.505.564 G2.403.776.909.425	E4.530 G2.403.810.425
Nidation	G8.520.515	G8.520.769.490
Nidation, Delayed	G8.520.515.300	G8.520.769.490.660
Nonodontogenic Cysts	C4.182.552	C4.182.89.530.660 C5.500.470.660
Noonan Syndrome	C5.116.99.765 C16.131.621.650	C5.116.99.765 C16.131.621.650 C23.205.690
Norepinephrine	D2.92.311.461.484 D16.538.693 D16.893.116.182.568 D16.893.116.348.630	D2.92.311.461.484 D16.538.693 D16.893.116.182.568 D16.893.116.348.630

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		D18.222.863.630
Nuclear Medicine	G2.403.569	G2.403.790.470
Nurses, Male	M1.526.485.650.670 N2.350.630.653	M1.390.660 M1.526.485.650.670 N2.350.630.653
Nystagmus	C11.580 C23.888.357.654	C11.580
Obstetrics	G2.403.776.542	G2.403.810.450
Occupational Medicine	G2.403.776.756.560 J1.750	G2.403.790.548.510 J1.750
Odontogenic Cysts	C4.182.581	C4.182.89.530.690 C5.500.470.690
Odontoma	C4.557.537.689.698.573	C4.557.537.789.690 C5.500.499.690.690
Ophthalmology	G2.403.776.573	G2.403.810.468
Orthopedics	E4.557 G2.403.776.909.494	E4.557 G2.403.810.494
Osteitis Deformans	C5.116.692	C5.116.692 C23.205.692
Osteogenesis Imperfecta	C5.116.99.377.767	C5.116.99.377.767 C23.205.200.540
Osteopetrolia	C5.116.99.792.705	C5.116.99.792.705 C23.205.705
Ouabain	D4.808.155.160.861.600 D9.203.408.180.810.600 D18.267.810.580	D4.808.155.160.861.600 D9.203.408.180.810.600 D18.222.175.810.580
Oxandrolone	D4.808.54.581 D6.597.100.194.686	D4.808.54.40.581 D6.597.100.194.686
Oxymetholone	D4.808.54.632 D6.597.100.194.723	D4.808.54.40.632 D6.597.100.194.723
p-Hydroxyamphetamine	D2.92.471.683.152.500 D16.893.116.182.356 D16.893.116.348.406	D2.92.471.683.152.500 D16.893.116.182.356 D16.893.116.348.406 D18.222.863.480
Pallor	C23.888.885.667	C23.888.656
Pan American Health Organization	N3.540.514.459	N3.540.514.718.800.628
Pancuronium	D4.808.54.685 D17.563.367.635	D4.808.54.40.685 D17.563.367.635
Papilledema	C11.640.710 C23.888.357.724	C11.640.710
Parotid Neoplasms	C4.588.546.760.589 C7.465.815.718.589	C4.588.546.760.589 C7.465.815.470.770 C7.465.815.718.589
Parotitis	C7.465.815.464	C7.465.815.470.800
Pathology	G2.403.776.642	G2.403.790.480
Pathology, Surgical	G2.403.776.642.590	G2.403.790.480.600
Penile Induration	C12.294.494.508	C12.294.494.508

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		C23.205.714
Periapical Abscess	C1.539.26.657 C7.793.237.719	C1.539.26.657 C7.465.690.700.700
Periarthritis Nodosa	C14.907.184.595 C14.907.940.90.720 C23.200.567	C14.907.184.595 C14.907.940.90.720 C23.205.720
Perinatology	G2.403.776.542.500 G2.403.776.671.500	G2.403.776.671.500
Periodontal Cyst	C4.182.581.678 C7.465.714.470	C4.182.89.530.690.790 C5.500.470.690.790 C7.465.714.470
Peutz-Jeghers Syndrome	C4.799.411.598 C6.405.469.583.598 C17.621.530.598	C4.799.411.598 C6.405.469.583.598
Physical Medicine	G2.403.776.713	G2.403.790.508
Pickwickian Syndrome	C18.654.621.690	C8.618.85.852.741 C18.654.621.690
Pigmentation Disorders	C17.621 C23.288.885.746	C17.621
Pitch Discrimination	F2.463.593.71.733	F2.463.593.71.700.408
Placental Lactogen	D6.472.759.692	D6.472.759.692 D6.472.785.650 D12.776.780.650
Plasminogen	D8.444.610	D8.444.610 D19.461.427.600
Plasminogen Activators	D8.444.610.600 D8.586.277.656.732.635	D8.444.610.600 D8.586.277.656.732.635 D19.461.427.600.620
Pneumonectomy	E4.874.607.612	E4.920.800.780
Pneumonolysis	E4.874.607.738	E4.920.800.810
Pneumothorax, Artificial	E4.874.607.231.613	E4.920.800.250.790
Polychondritis, Relapsing	C5.182.531	C5.182.531 C23.205.182.531
Polymyalgia Rheumatica	C5.651.742 C5.799.720	C5.651.742 C5.799.720 C23.205.200.732.720
Porphyria	C17.608.667 C17.849.617 C18.452.648.740	C17.849.617 C18.452.648.740
Postnidation Phase	G8.520.769.725.750.750	G8.520.769.600
Prenidation Phase	G8.520.769.725.750.800	G8.520.769.790
Preventive Medicine	G2.403.776.756 G3.770	G2.403.790.548 G3.770
Preventive Psychiatry	F4.96.544.678.621 G2.403.776.791.710.621	F4.96.544.215.508 G2.403.642.150.530
Primary Prevention	F4.96.544.678.621.570 G3.770.670	F4.96.544.215.508.428 G3.770.670
Proflavine	D3.494.46.720	D3.494.46.250.720

PRINT HEADING	1979 MESH TREE NUMBER	1980 MESH TREE NUMBER
	D20.187.750	D20.187.750
Proscillaridin	D4.808.122.580 D9.203.408.180.660 D18.267.701	D4.808.122.580 D9.203.408.180.660 D18.222.175.701
Prunitus	C17.685 C23.888.885.821	C17.685
Psychiatry	F4.96.544 G2.403.776.791	F4.96.544 G2.403.642 G2.403.790.600
Public Health	G2.403.776.756.714 G3.850	G2.403.790.548.560 G3.850
Public Policy	I1.790	I1.880.604.710.608 N3.706.710.608
Pyrazinamide	D20.338.734	D3.383.679.750 D20.338.734
Questionnaires	E5.785	L1.382.440.800
Quinacrine	D3.494.46.760 D21.201.287.716 D21.201.412.100.686 D21.370.286.686 D22.204.777	D3.494.46.250.760 D21.201.287.716 D21.201.412.100.686 D21.370.286.686 D22.204.777
Quinacrine Mustard	D2.455.526.728.650.760 D3.494.46.760.750 D26.408.348.760	D2.455.526.728.650.760 D3.494.46.250.760.750 D26.408.348.760
R Factors	G4.185.515.286.600 G5.225.500.600 G5.386.310.600 G5.706.310.600	G4.185.515.286.600 G5.225.500.600 G5.386.310.600 G5.706.310.600 G12.392.269.800
Radicular Cyst	C4.182.581.678.638 C7.465.714.470.638	C4.182.89.530.690.790.820 C5.500.470.690.790.820 C7.465.690.820
Radio	L1.178.147.739 L1.178.847.514 L1.417.589	L1.178.147.739 L1.178.847.514
Radioallergosorbent Test	E1.223.826.830 E5.478.567.639.810 E5.478.595.810	E1.223.826.830 E5.478.567.380.810 E5.478.567.639.810
Radiographic Image Enhancement	E1.818.837.639	E1.818.670
Radiographic Magnification	E1.818.837.639.555	E1.818.685
Radioimmunosorbent Test	E5.478.567.639.830 E5.478.595.830	E5.478.567.380.830 E5.478.567.639.830
Radioisotope Teletherapy	E2.810.555	E2.810.722.820
Radiology	G2.403.776.830	G2.403.790.680
Receptors, Concanavalin A	D12.776.543.700.600 G6.184.154.763.221 G12.763.221	D24.611.834.880.600 G4.610.834.880.600 G6.184.154.834.880.600
Regional Health Planning	I1.880.709.507.450 N3.349.650	N3.349.650
Rehabilitation	E2.831 G2.403.776.713.643	E2.831 G2.403.790.508.610

PRINT HEADING	1979 MESH TREE NUMBER	1980 MESH TREE NUMBER
	G2.743 N2.421.784	N2.421.784
Rehabilitation Centers	N2.278.203.510	N2.278.808
Retroperitoneal Space	A1.47.596.813	A1.47.681
Rheumatic Fever	C1.252.890.731 C5.550.114.843 C5.799.825 C23.200.677	C1.252.890.731 C5.550.114.843 C5.799.825
Rheumatism	C5.799 C23.200.732	C5.799 C23.205.200.732
Rheumatoid Nodule	C5.550.114.154.683 C5.799.114.683	C5.550.114.154.683 C5.799.114.683 C23.205.200.732.99.683
Running	I3.450.642.845.925.600	I3.450.642.845.610
Salpingitis	C13.371.56.114.781	C13.371.56.114.781 C13.371.56.390.890
Schools, Medical	I2.783.660.552	I2.783.660.552 N2.278.20.578
Scillaren	D4.808.122.655 D9.203.408.180.660 D18.267.783	D4.808.122.655 D9.203.408.180.780 D18.222.175.783
Scleredema Adultorum	C17.751 C23.200.750	C17.751 C23.205.200.750
Scleroderma, Systemic	C17.784 C23.200.799	C17.784 C23.205.200.799
Scopolamine	D3.132.760.180.848 D3.132.889.848 D3.605.869.900 D16.653.118.826	D3.132.760.180.848 D3.132.839.848 D3.605.869.900 D16.653.865.826
Scotoma	C10.597.751.941.811 C11.966.811 C23.888.357.855 C23.888.592.763.941.811	C10.597.751.941.811 C11.966.811 C23.888.592.763.941.811
Semilunar Cartilages	A2.165.828 A2.835.583.474.746	A2.165.828 A2.835.583.475.746
Serotherapy	E2.95.520.581 E2.95.884.664	E2.95.377.330.800 E2.95.520.581 E2.95.884.664
Sheltered Workshops	N2.278.203.510.470	N2.278.808.860
Shoulder	A1.378.209.749 A2.835.583.747	A1.378.209.749
Shoulder Joint	A2.835.583.747.584	A2.835.583.748
Sialorrhea	C7.465.815.815 C23.828.636.600	C7.465.815.815
Siderosis	C8.381.655.773 C11.204.855 C17.621.791	C8.381.655.773 C11.204.855 C21.447.800.773
Sigmoid Neoplasms	C4.588.274.476.411.306.668 C6.405.469.158.355.668	C4.588.274.476.411.306.668 C6.405.469.158.850.850
Sign Language	F1.145.209.530.702.668	E2.831.671.609.668

PRINT HEADING	1979 MESH TREE NUMBER	1980 MESH TREE NUMBER
		F1.145.209.530.702.668 L1.143.649.526.668
Sjogren's Syndrome	C5.550.114.154.774 C5.799.114.774 C7.465.815.929.669 C11.496.719	C5.550.114.154.774 C5.799.114.774 C7.465.815.929.669 C11.496.719 C23.205.200.732.99.774
Snoring	C8.618.659.850 C23.888.852.749.850	C23.888.852.779.850 69.772.521.701.849
Social Medicine	G2.403.723	G2.403.720
Soft Tissue Neoplasms	C4.588.839	C4.588.839 C23.205.839
Solanaceous Alkaloids	D3.132.760	D3.132.760 D16.653.865
Speech Discrimination Tests	E1.276.299.375.890	E1.276.299.375.297.105.890
Speech Reception Threshold Test	E1.276.299.375.890.890	E1.276.299.375.297.105.902
Speech Therapy	E2.831.727.552 G2.829	E2.831.727.552
Speech, Esophageal	E2.831.727.737.677	E2.831.727.541.677
Spondylitis, Ankylosing	C5.550.69.680 C5.550.114.154.856 C5.799.114.856 C5.878.805.680	C5.550.69.680 C5.550.114.154.856 C5.799.114.856 C5.878.805.680 C23.205.200.732.99.856
Stanolone	D4.808.54.831 D6.472.79.810	D4.808.54.40.831 D6.472.79.810
Stanozolol	D4.808.54.881 D6.597.100.194.893	D4.808.54.40.881 D6.597.100.194.893
Stellate Ganglion	A8.99.370.682	A8.99.370.477.935 A8.99.893.411.935 A8.340.315.477.935
Sternoclavicular Joint	A2.835.583.747.766	A2.835.583.781
Strophanthins	D4.808.155.160.861 D9.203.408.180.810 D18.267.810	D4.808.155.160.861 D9.203.408.180.810 D18.222.175.810
Subacute Sclerosing Panencephalitis	C2.839.862 C10.228.140.276.851 C10.228.140.437.851 C10.228.228.245.769	C2.782.660.862 C2.839.862 C10.228.140.276.851 C10.228.140.437.851 C10.228.228.245.769
Submarine Medicine	G2.403.507.687	G2.403.478.508
Subtraction Technic	E1.818.837.639.770	E1.890
Sunburn	C21.866.200.855	C17.608.840 C21.866.200.855
Surgery	G2.403.776.909	G2.403.810.762
Surgery, Lung (Non Mesh)	E4.874.607	E4.920.800
Surgery, Oral	E4.833 E6.892 G2.163.876.886 G2.403.776.909.719	E4.833 E6.892 G2.163.876.886

PRINT HEADING	1979 MESH TREE NUMBER	1980 MESH TREE NUMBER
Surgery, Plastic	E4.860 G2.403.776.909.775	E4.860 G2.403.810.788
Sympathomimetics	D16.893	D16.893 D18.222.863
Syncope	C23.888.592.925.777	C10.597.917.777 C23.888.592.925.777
T-Lymphocytes	A11.118.637.555.604 A15.145.229.637.555.604 A15.520.520.604 A15.520.604.811.521	A11.118.637.555.604 A15.145.229.637.555.604 A15.520.520.604
Tacrine	D3.494.46.900 D15.128.900 D16.698.410.900	D3.494.46.250.900 D15.128.900 D16.698.410.900
Takayasu Syndrome	C14.907.109.239.696	C14.907.109.239.696 C23.205.885
Telephone	L1.178.847.698 L1.417.748	L1.178.847.698
Television	L1.178.147.898 L1.178.847.823 L1.417.848	L1.178.147.898 L1.178.847.823
Temporal Arteritis	C14.907.184.823 C14.907.940.90.905 C23.200.892	C14.907.184.823 C14.907.940.90.905 C23.205.892
Thoracoplasty	E4.874.703	E4.920.910
Thymectomy	E4.874.787	E4.920.940
Tietze's Syndrome	C5.182.790	C5.182.790 C23.205.182.790
Tracheotomy	E4.847.907 E4.874.878	E4.847.907 E4.920.970
Tramadol	D2.33.460.850	D2.33.460.850 D14.73.947
Trichotillomania	F3.709.438.629.842	C17.805.305.940 F3.709.438.629.842
Trophoblast	A16.759.802 A16.950.769	A16.759.802 A16.254.85.162
Turner's Syndrome	C16.131.280.748.805 C16.131.939.842.872 C19.391.847	C16.131.280.748.805 C16.131.939.842.309.872 C19.391.847
Tyrosine Decarboxylase	D8.586.520.258.848	D8.586.520.258.90.848
Ureaplasma	B3.600.580.553.553.900	B3.600.580.553.900
Urethral Neoplasms	C4.588.845.947.945 C12.777.767.601	C4.588.945.947.945 C12.777.767.601
Urology	G2.403.776.909.866	G2.403.810.860
Vaccine Therapy	E2.95.520.812	E2.95.377.854.304 E2.95.520.812
Vascular Surgery	E4.752.814 G2.403.776.909.925	E4.752.814
Vestibuloplasty	E4.833.940 E6.892.940	E4.833.800.950 E6.892.800.950

PRINT HEADING	1979 MESH TREE NUMBER	1980 MESH TREE NUMBER
Vinyl Chloride	D2.455.326.271.884.750 D2.455.526.439.975 D26.191.962 J1.516.66.266.630	D2.455.326.271.884.750 D2.455.526.439.975 D26.191.962
Wegener's Granulomatosis	C8.381.961 C12.777.419.969 C14.907.184.595.739 C14.907.940.90.720.972 C23.200.910 C23.484.904	C8.381.961 C12.777.419.969 C14.907.184.595.739 C14.907.940.90.720.972 C23.205.720.910 C23.484.904
World Health Organization	N3.540.514.866	N3.540.514.718.800
Wrist	A1.378.209.906 A2.835.583.958	A1.378.209.906
Wrist Joint	A2.835.583.958.741	A2.835.583.959
Xeromammography	E1.818.483.990 E1.818.837.867.990	E1.818.483.990 E1.818.960.960
Xeroradiography	E1.818.837.867	E1.818.960
Xerostomia	C7.465.815.929 C23.888.636.825	C7.465.815.929
Zollinger-Ellison Syndrome	C4.588.274.761.743 C6.689.667.743	C4.588.274.761.743 C6.689.667.743 C19.576.983

Supplement to Tree Number Changes - 1980

<u>Deleted Heading</u>	<u>Replaced-by Heading</u>
Abscess, Periodontal C1.539.26.60 C7.465.714.533.132	Periodontal Abscess C1.539.26.671 C7.465.714.533.650
Acetyldigitoxin D4.808.155.160.278.259 D9.203.408.180.261.336.259 D18.267.324.261.259	Acetyldigitoxins D4.808.155.160.278.259 D9.203.408.180.261.336.259 D18.222.175.324.261.259
Adrenogenital Syndrome C19.53.181.141 C19.391.78	Adrenal Hyperplasia, Congenital C19.53.440 C19.391.90
Adrostanediol D4.808.54.25 D6.472.79.80	5-Androstane-3, 17-diol D4.808.54.40.80 D6.472.79.80
Aurovertin D8.373.936.100 D20.85.93	Aurovertins D3.383.663.75 D8.373.936.100 D26.550.43
Binazine D2.442.100 D3.383.710.605.100 D18.162.80	Todralazine D2.442.925 D3.383.710.605.925 D18.162.893
Bone Cyst C4.182.89 C4.557.499.93	Bone Cysts C4.182.89 C4.557.499.93 C5.116.70
Butylcyanoacrylate D2.241.81.69.366.241 D25.720.259.324 D25.919.367.241 D26.920.367.241	Enbucrylate D2.241.81.69.366.350 D25.720.259.341 D25.919.367.341
D 40TA D3.438.79.80.250 D15.236.872.659.191.260	Estazolam D3.438.79.80.250 D15.236.872.659.191.344
Desensitization E2.271	Desensitization, Immunologic E2.95.449.310 E5.478.610.310
Diaphragmatic Hernia C6.306.247 C6.405.396.216 C6.405.748.204	Hernia, Diaphragmatic C6.306.700 C6.405.396.216

Deleted Heading

Replaced-by Heading

Eccentroosteochondrodysplasia
C5.116.99.377.334
C18.452.648.202.715.313

Mucopolysaccharidosis 4
C5.116.99.377.700
C18.452.648.202.715.655
C23.205.615.655

Enteritis, Regional
C6.405.469.314.325

Crohn Disease
C6.405.469.220

Futurology
I1.355

Forecasting
I1.320

Genes, Suppressor
G5.275.581

Suppression, Genetic
G5.632.890

Genetics, Human
G5.358

Genetics, Medical
G2.403.388
G5.358

Granuloma, Periapical
C7.793.237.515

Periapical Granuloma
C7.465.690.700.740
C23.484.694

Health Centers
N2.278.203

Ambulatory Care Facilities, Non-
Hospital
N2.278.35

Hiatal Hernia
C6.306.247.467
C6.405.396.216.467

Hernia, Hiatal
C6.306.700.490
C6.405.396.216.467

Hospital Bed Capacity, under 200
N2.278.306.472.100

Hospital Bed Capacity, 100 to 299
N2.278.306.472.120

Hospital Bed Capacity, 200 to 499
N2.278.306.472.200

Hospital Bed Capacity, 300 to 499
N2.278.306.472.180

Immunology
G2.403.776.409.651

Allergy and Immunology
G2.403.776.30

Isobutylcyanoacrylate
D2.241.81.69.366.581
D25.720.259.324.498
D25.919.367.581
D26.920.367.581

Bucrylate
D2.241.81.69.366.200
D25.720.259.341.110
D25.919.367.341.110

Leucosarcoma
C4.557.337.317
C4.557.863.436

Leukosarcoma
C4.557.337.801
C4.557.863.436

<u>Deleted Heading</u>	<u>Replaced-by Heading</u>
Matrix Band D25.339.610	Matrix Bands E6.186.501.630 E7.222.501.630
Methyldopahydrazine D2.92.311.242.538.538 D2.442.538 D8.373.572 D14.307.689	Carbidopa D2.92.311.242.538.200 D2.442.200 D8.373.210 D14.307.232
Microfilaments A11.368.592	Cytoplasmic Filaments A11.368.235
Normal Values H1.939.650	Reference Values H1.939.810
Nursing Diagnosis N2.421.533.450 N4.590.233.624.300	Nursing Assessment N4.590.233.508.480
Odontogenic Tumor C4.557.537.689.698	Odontogenic Tumors C4.557.537.789 C5.500.499.690
Old Yellow Enzyme D8.586.682.608.749	NADPH Dehydrogenase D8.586.682.608.550
Otorhinolaryngology G2.403.776.605	Otolaryngology G2.403.810.526
Oxedrine D2.33.329.291.540 D2.92.63.291.540 D16.893.116.182.644	Synephrine D2.33.329.291.870 D2.92.63.291.870 D16.893.116.182.882 D18.222.863.882
Passive Transfer E5.478.713	Immunization, Passive E2.95.377.330 E5.478.550.520
Photosensitization C17.608.555 C20.543.667	Photosensitivity Disorders C17.608 C20.543.667
Plaster of Paris D25.680	Calcium Sulfate D1.552.539.288.600 D1.877.814.539.300 D25.150

Deleted Heading

Privileged Communication

F1.145.209.690
F4.96.544.335.650
I1.880.604.583.747
N3.706.535.787

Proctology

G2.403.776.909.595

Psychiatry, Community

F4.96.544.678
G2.403.776.791.710

Psychiatry, Military

F4.96.544.728
G2.403.776.791.793

Receptors, Narcotic

A8.663.906.569.694.730
D12.776.543.700.650
G6.184.154.763.634
G12.763.634

Rectocolitis

C6.405.469.158.188.767

Rhodesia

Z1.58.349.742

SQ 20009

D3.66.515.800
D3.383.725.547.800
D8.373.735.800

Surgery, Thoracic (Non Mesh)

E4.874

Tube Feeding

E2.421.803

Umbilical Hernia

C6.405.396.806
C16.614.944

Voice Production, Alaryngeal

E2.831.727.737

Replaced-by Heading

Confidentiality

F1.145.209.230
F4.96.544.335.240
I1.880.604.583.80
N3.706.535.230

Colon and Rectal Surgery (Specialty)

G2.403.810.208

Community Psychiatry

F4.96.544.215
G2.403.642.150

Military Psychiatry

F4.96.544.480
G2.403.642.508

Receptors, Endorphin

A8.663.906.569.694.730
D12.776.543.700.650
G6.184.154.803.348
G12.803.320

Proctocolitis

C6.405.469.158.188.767
C6.405.469.158.850.790
C6.405.469.860.622.790

Zimbabwe Rhodesia

Z1.58.349.940

Etazolate

D3.66.515.400
D3.383.725.547.400
D8.373.735.400

Thoracic Surgery

E4.920
G2.403.810.803

Enteral Feeding

E2.421.360

Hernia, Umbilical

C6.405.396.806
C16.614.390

Speech, Alaryngeal

E2.831.727.541

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NOVEMBER 1979

NO. 127

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

DATA BASE	TOTAL RECORDS	FILES		
		DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
*AVLINE	7,943	THROUGH 1979	15 NOV 79	
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	642,953	JAN 75-DEC 76	11 DEC 78	
*BIOETHICS	8,311	JAN 73-AUG 79	16 OCT 79	7910(EM)
*CANCERLIT	191,485	JAN 63-NOV 79	17 NOV 79	7911(ED)
*CANCERPROJ	19,904	1976-1979	06 OCT 79	7909(ED)
*CATLINE	192,845	1965-1979	15 NOV 79	
CHEMLINE	425,121		06 OCT 79	
*CLINPROT	1,669		15 OCT 79	7909(ED)
*EPILEPSY	25,635	1945-PRESENT	16 SEP 79	
*HEALTH	131,555	JAN 75-DEC 79	15 NOV 79	7912(EM)
*HISTLINE	38,211		06 NOV 79	7911(EM)
MEDLINE	618,791	JAN 77-DEC 79	05 NOV 79	7912(IM)
MESH VOC	14,819	1979	11 DEC 78	
*NAME AUTH	107,011	1979	11 NOV 79	
*RTECS	36,851	1978	07 SEP 79	
SDILINE	23,462	DEC 79	05 NOV 79	
*SERLINE	33,568	1979	29 OCT 79	
*TDB	2,515		19 SEP 79	
*TOXLINE	647,174		17 NOV 79	7911(ST)
CBAC	334,869	1974-VOL 30(6,7,8,9)		
TOXBIB	127,765	1974-DEC 79		
IPA	35,824	1974-AUG 79		
HEEP	77,996	1974-DEC 79		
PESTAB	17,646	1974-NOV 79		
EMIC	24,290	1960-JUN 79		
ETIC	16,497	1950-AUG 79		
RPROJ	10,943	JAN 79-JAN 80		
*TOXBACK	379,299		26 FEB 78	
CBAC	162,268	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) 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 ONLINE 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.

HOLIDAY
SCHEDULE,
1980

- Following is the holiday schedule for the NLM and SUNY systems for 1980:

HOLIDAY	NLM	SUNY
New Years Day (Tues, Jan 1, 1980)	DOWN	DOWN
George Washington's B'day (Mon, Feb 18)	UP*	UP*
Memorial Day Observed (Mon, May 26)	DOWN	UP*
Memorial Day (Fri, May 30)	UP	DOWN
Independence Day (Fri, July 4)	DOWN	DOWN
Labor Day (Mon, Sept 1)	DOWN	DOWN
Columbus Day (Mon, Oct 13)	UP*	UP*
Veterans Day (Tues, Nov 11)	UP*	UP*
Thanksgiving Day (Thur, Nov 27)	DOWN	DOWN
Christmas Day (Thur, Dec 25)	DOWN	DOWN
New Years Day (Thur, Jan 1, 1981)	DOWN	DOWN

*Non-prime rates are in effect all day.

CANCERPROJ
(Manual 17.3.13)

- CANCERPROJ Award type: In addition to the three award types now listed in the Online Services Reference Manual (G, grant; C, contract; F, fellowship) there is a fourth type. It is Intramural Research and is represented by the letter "A".

TECHNICAL
NOTES FOR
INDEXERS

- Indexing Section Technical Notes numbers 145-147 and 234-239 are enclosed with this issue. Number 145 is an expanded and rewritten replacement for the previous number 145; numbers 146-147 are unchanged. Numbers 232-239 are recent additions and are not available through NTIS. Please add these to the Technical Notes--MEDLARS Indexing Instructions, 1975. It is planned to include future Indexing Technical Notes with the Technical Bulletin as they are issued.

CATEGORY
QUALIFIER
CHANGES

- Please annotate "Category Qualifier Changes," Appendix B of the NLM Technical Bulletin, September 1979, to reflect the following:

CANCERLIT
SI SOURCE IDENTIFIER SI SECONDARY SOURCE ID

MESH VOCABULARY FILE

B6	BACK66 POSTINGS	B66	BACK66 POSTINGS
B9	BACK69 POSTINGS	B69	BACK69 POSTINGS
B2	BACK72 POSTINGS	B72	BACK72 POSTINGS
B5	BACK75 POSTINGS	B75	BACK75 POSTINGS

CLINPROT
(Manual
Part 18)

- The CLINPROT data base was updated in October. The update tag is 7909 (ED). The following changes were made in the CLINPROT Term Listing at that time:

CLINPROT TERM LISTING

NEW AND CHANGED CAPTIONS IN NUMERIC CODE SEQUENCE

078015046	Heavy Ion Therapy
078040003	Acetaminophen
078040023	Ad-32
078040048	Aspirin
078040117	Bruceantin
078040170	Colchicine
078040219	Ddmp
078040392	Interferon
078040395	Indicine-n-oxide
078040396	Imidazole Mustard
078040400	Ifosfamide (CHANGED FROM) Isophosphamide
078040487	Pala
078045019	Aim
078045077	Camp
078045114	Cmf-tam
078045122	Cmfvp
078045144	Cropam
078045146	Crop
078045244	Vadrc
078045246	Vap
078045263	Vcp-1
078045271	Vmv
078045274	Vocap
078045540	Hac
078045544	Ham
078045545	Ham-ii
078045781	T-cap
078050040	Malignant Melanoma Grp
078050061	Natl Bladder Cancer Project
078050143	Sjcrh (CHANGED FROM) St.Jude's-memphis,Tenn.
078070070	Protocol Revised

MAP OF ONLINE
CENTERS

- A map showing distribution of NLM online users by state is enclosed with this issue.

- UPDATE SCHEDULE - Appendix A gives the update schedule for MEDLINE, SDILINE, TOXLINE, and CANCERLIT for 1980.
- PHONE NUMBERS - Appendix B is a list of telecommunications numbers that can be used to access NLM and SUNY.
- CUMULATED INDEX MEDICUS - An advance order form for ordering the 1979 Cumulated Index Medicus from GPO is included with this issue. The stock number is 017-052-00204-0. The prices are \$160.00 for domestic orders and \$200.00 for foreign orders.

SCORE MEETING REPORT
Ellen Nagle, Columbia University

The Standing Committee for Online Retrieval Education (SCORE) met on May 7, 1979 at the National Library of Medicine. Major topics discussed included: 1) Introduction of new members/discussion of goals and current role of SCORE; 2) the SCORE CE Course on Toxicology; 3) the SCORE CE Course on Neoplasia; 4) the SCORE CE Course on Psychology; 5) the SCORE CE Course on Search Efficiency; 6) Status of User Educational Needs Profile; 7) Development of Alternative Modes of Instruction; 8) Status Report on the Online Search Evaluation Project; 9) TRP Feedback Mechanism; 10) Future Plans.

Introduction of new members and discussion of goals and current role of SCORE

The two new SCORE members, Tricia McKeown and Carol Maurer, were introduced. For the benefit of the new members there was a brief historical review of SCORE, and a discussion of past accomplishments, current projects, and goals. These include the development of:

1. Procedures for annual updating of searchers
2. Questionnaire on user education needs
3. Subject-oriented continuing education courses
4. Continuing education courses on technical aspects of searching.

The role of SCORE as an advisory committee to the Associate Director for Library Operations, NLM, representing the entire network was reemphasized. The nomination procedure and rotation schedule for committee members was explained.

CE Course on Toxicology

Pat O'Brien presented a preliminary outline of the course she is developing in the field of Toxicology. She proposed a subcommittee to assist her;

Laura Kassebaum will write letters to them inviting them to join the subcommittee. Ms. O'Brien presented an outline covering the course objectives and scope, target audience, time frame, target date and setting, and test audience. The Committee approved the outline with minor changes. The objective of the course is to familiarize online search analysts, librarians and information specialists with the scientific, social, and legislative aspects, the literature, and the online data bases of toxicology with special emphasis on the NLM files. The target audience is information personnel who are non-chemists, although it is anticipated that chemists will also benefit from the course. The target date for the course is June 1980, prior to the MLA Annual Meeting. The test audience will be diverse, including representatives from various types of libraries and NLM with varying educational backgrounds and levels of experience and searching expertise.

CE Course on Neoplasia

Patti Corbett reported that the final version of the syllabus for CE-50 "Neoplasia for Online Search Analysts" has been typed and reviewed by NLM. The syllabus was condensed from its earlier versions. Material taken out of the syllabus will be incorporated into a teacher's syllabus, slated for completion by June 1979. Ms. Corbett developed a post-test which was reviewed by NLM. A final version of the test, incorporating suggestions from NLM, will be prepared.

CE Course on Psychology

Ms. Corbett proposed a subcommittee to work with her on the development of this course. The course will include information on relevant data bases offered by NLM, as well as non-NLM data bases.

CE Course on Search Efficiency

An outline of the syllabus for this course was reviewed by the Committee. Committee members were urged to contact Michael Homan within two weeks of the meeting with any suggestions regarding the syllabus. Penny Worley should be contacted with comments on the telecommunications sheets.

Suggestions regarding precautions for stringsearch and truncation were incorporated. Information on overflow messages will be emphasized. The possibility of role playing, and the development of a self-evaluation checklist for searchers was discussed.

Status of User Educational Needs Profile

Ms. O'Brien announced that the Office of Management and Budget has approved the User Educational Needs Profile. The survey results will be published in the NLM Technical Bulletin. Faith Van Toll will be responsible for coding the responses.

Development of Alternative Modes of Instruction

Ellen Nagle reported on her preliminary work in developing a self instructional package for the neurology portion of MeSH. The workbook will cover all rele-

vant categories and subcategories of MeSH. The advantages and disadvantages of a programmed text were discussed. It was decided that other self-instructional approaches would be utilized instead. Scope notes, annotations, and history notes will be incorporated. Ms. Kassebaum indicated that MLA might be interested in offering self-instructional packages, in addition to formal courses.

Status Report on the Online Search Evaluation Project

Ms. Kassebaum reported on the current status of the evaluation project, which was awarded to Cuadra Associates. The project is awaiting Office of Management and Budget clearance. Task analysis has been completed; materials for the survey have been developed and submitted to OMB. A stratification plan for selection of participants has been developed; pretested material is being sent to selected library directors and search analysts. A panel of experts will be identified to look at the search requests being used in the project, to make sure the requests are unambiguous. King Research, as a subcontractor, will do the analysis for this study.

TRB Feedback Mechanism

Ms. O'Brien discussed some questions that arose following the TRP update in Region IV. She suggested there be a feedback mechanism for suggestions and/or questions regarding the system, and its data bases, policies, etc., as well as for pooling ideas among the TRP's.

Following discussion of this subject, SCORE proposed the following to the Associate Director for Library Operations, NLM:

An NLM person be designated to serve as the focal point for questions, comments, and suggestions from the TRP's. That this person be responsible for gathering responses from NLM as appropriate, acquiring appropriate clearance where necessary, and disseminating the information to the TRP's. The TRP's would then assume the responsibility for sharing this information with the searchers in his/her region.

(Mrs. Grace McCarn, Chief, Bibliographic Services Division, was subsequently designated to serve as NLM's contact person for TRP's.)

SCORE further suggested that the RML's consider adopting a formal mechanism for feedback on the TRP Program.

Future Plans

Ms. Maurer will work on the topic of health planning administration;
Ms. McKeown will develop a slide/tape program for Offsearch/Storesearch.

It was tentatively agreed upon that the next SCORE meeting will be held on November 20, 1979.

Outgoing Members

The Committee expressed its thanks for the significant contributions made by Mr. Homan and Ms. Worley to the development and progress of the SCORE Committee.

NLM TECHNICAL BULLETIN - NOV 79

NEW SERIALS ANNOUNCEMENT - OCTOBER 1979
Serial Records, Technical Services Division, NLM

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

CLINICAL TOXICOLOGY CONSULTANT
1,1979--
UNIVERSITY OF TENNESSEE. COLLEGE OF
PHARMACY, DIVISION OF CLINICAL TOXICOLOGY
MEMPHIS TN UNITED STATES
874 UNION AVENUE, MEMPHIS, TN 38163
ON ORDER

CURRENT CHEMICAL REACTIONS
1,1979--
INSTITUTE FOR SCIENTIFIC INFORMATION
PHILADELPHIA UNITED STATES
Z 5524 C9742

DIAGNOSTIC DIALOG
MAR 15,1979--
P.W. COMMUNICATIONS
NEW YORK UNITED STATES
MANNHEIM BOEHRINGER CORP., 9115 HAGUE RD.
INDIANAPOLIS, IN 46250
ON ORDER

EULAR BULLETIN. MONOGRAPH SERIES
1,1978--
EULAR PUBLISHERS
SOME VOLS. ISSUED IN REVISED EDITIONS.
BASLE SWITZERLAND
W1 EU471

FAMILY AND CHILD MENTAL HEALTH JOURNAL
1N1, SPRING 1980--
HUMAN SCIENCES PRESS
NEW YORK UNITED STATES
HUMAN SCIENCES PRESS 72 FIFTH AVENUE NEW
YORK, NY 10011
ON ORDER

FOUNDATIONS AND PHILOSOPHY OF SCIENCE AND
TECHNOLOGY
1979-
FERGAMON PRESS
ELMSFORD NY UNITED STATES
ON ORDER

HEALTH PLANNING AND MANPOWER REGISTER
1979?--
CAPITOL PUBLICATIONS
WASHINGTON UNITED STATES
CAPITOL PUBLICATIONS 2430 PENNSYLVANIA
AVE., N.W. WASHINGTON, D.C. 20037
ON ORDER

HEALTH POLICY QUARTERLY
1N1,SPRING 1979--
HUMAN SCIENCE PRESS
NEW YORK UNITED STATES
HUMAN SCIENCES PRESS 72 FIFTH AVENUE NEW
YORK, NY 10011
ON ORDER

HOLISTIC HEALTH REVIEW
1N1,SPRING 1979--
HUMAN SCIENCES PRESS
NEW YORK UNITED STATES
HUMAN SCIENCES PRESS 72 FIFTH AVENUE NEW
YORK, NY 10011
ON ORDER

JHP. JOURNAL OF HOMEOPATHIC PRACTICE
1,SPRING 1978--
JOURNAL OF HOMEOPATHIC PRACTICE
REPRESENTS THE VIEWS OF THE BAY 'ARE A
HOMEOPATHIC ASSOCIATION.
BERKELEY CA UNITED STATES
W1 J39

JOURNAL OF PREVENTION
1N1, SPRING 1978--
HUMAN SCIENCES PRESS
NEW YORK UNITED STATES
HUMAN SCIENCES PRESS 72 FIFTH AVENUE NEW
YORK, NY 10011
ON ORDER

MEDICAL MANPOWER IN NEW ZEALAND. STATISTICS
1977?--
MEDICAL COUNCIL OF NEW ZEALAND
ISSUED IN ASSOCIATION WITH THE MANAGEMENT
SERVICES AND RESEARCH UNIT OF THE DEPT. OF
HEALTH.
WELLINGTON NEW ZEALAND
W1 ME3813

OBESITY AND METABOLISM
1,1980--
HUMAN SCIENCES PRESS
NEW YORK UNITED STATES
HUMAN SCIENCES PRESS 72 FIFTH AVENUE NEW
YORK, NY 10011
ON ORDER

PERSONALITY AND INDIVIDUAL DIFFERENCES
1,1980--
PERGAMON PRESS
FAIRVIEW PARK NY UNITED STATES
ON ORDER

PREVENTIVE MEDICINE QUARTERLY
1,1977--
SOUTH CAROLINA DEPARTMENT OF HEALTH AND
ENVIRONMENTAL CONTROL
COLUMBIA SC UNITED STATES
EDITOR, DHEC, 2600 BULL ST., COLUMBIA, S.C.
29201
ON ORDER

PROCEEDINGS - COMMUNITY CORRESPONDENTS
GROUP MEETING
4, JUNE 1978--
U.S. NATIONAL INSTITUTE ON DRUG ABUSE
FIRST THREE MEETINGS NOT PUBLISHED
ROCKVILLE MD UNITED STATES
NATIONAL INSTITUTE ON DRUG ABUSE 5600
FISHERS LANE ROCKVILLE, MARYLAND 20857
IN PROCESS

RESEARCH IN HEALTH ECONOMICS
1,1979--
JAI PRESS
GREENWICH CT UNITED STATES
IN PROCESS

REVALIDATIE VADEMECUM
1979--
NEDERLANDSE CENTRALE VERENIGING TER
BEVORDERING VAN DE REVALIDATIE
CONTINUES REVALIDATIE JAAPBOEK.
THE HAGUE NETHERLANDS
ON ORDER

REVISTA DE LA SOCIEDAD ESPANOLA DE DIALISIS
Y TRASPLANTE
1,1979--
SOCIEDAD ESPANOLA DE DIALISIS Y TRASPLANTE
BARCELONA SPAIN
EDITOR: DR. L. CARRERAS BERGES, AFDO.
20.128, BARCELONA, SPAIN
ON ORDER

SOCIAL PSYCHOLOGY QUARTERLY
42,1979--
AMERICAN SOCIOLOGICAL ASSN
CONTINUES SOCIAL PSYCHOLOGY. JOURNAL OF
THE AMERICAN SOCIOLOGICAL ASSOCIATION.
ALBANY UNITED STATES
WI S0123TQ

LIST OF MONOGRAPHS INDEXED
DECEMBER 1979

A

Alfred Benzon Symposium, 13th, Copenhagen, 1978. Specific eukaryotic genes - structural organization and function - proceedings of the Alfred Benzon Symposium 13 / edited by Jan Engberg, Hans Klenow, Vagn Leick -- Copenhagen Munksgaard, c1979 499 p ill -- (Scandinavian university books)
1 Genetics, Human - congresses I Engberg, Jan, ed II Klenow, Hans, ed III Leick, Vagn, ed IV Title
04NLM W3 AL36 13th 1978s
OXNLM [QH 431 A392 1978s]
IM Cit No 7908253

C

Cells of immunoglobulin synthesis / edited by Benvenuto Pernis, Henry J Vogel -- New York Academic Press, 1979 xxiv, 431 p ill -- (P & S biomedical sciences symposia series) Proceedings of a symposium held at Arden House, Harriman Campus of Columbia University, June, 1978
1 B-Lymphocytes - congresses 2 Immunogenetics - congresses 3 Immunoglobulins - biosynthesis - congresses I Pernis, Benvenuto, ed II Vogel, Henry James, 1920-ed III Columbia University IV Title Symposium on cells of immunoglobulin synthesis V Series
ISBN 0-12-551850-1 LC 78-20000
04NLM QW 601 C393 1978
IM Cit No 7903441 (rev CIP)

I

International Seminar and Workshop on the Psychoneuroendocrinology of Human Reproduction, 1st, University of Siena, 1978. Clinical psychoneuroendocrinology in reproduction / edited by L Carena, P Pancheri, L Zichella -- London, New York Academic Press, 1978 xiii, 469 p ill -- (Serono Symposia - Proceedings of the Serono Symposia, v 22) Sponsored by the International Society of Psychoneuroendocrinology and the International Society of Psychosomatics in Obstetrics and Gynecology
1 Endocrinology - congresses 2 Neurophysiology - congresses 3 Psychosomatic Medicine - congresses 4 Reproduction - congresses I Carena, L, ed II International Society of Psychoneuroendocrinology III International Society of Psychosomatics in Obstetrics and Gynecology IV Pancheri, Paolo, ed V Zichella, L, ed VI Title VII Series
ISBN 0-12-159450-5 LC 78-54529
04NLM W3 SE4779 v 22 1979
OXNLM [WQ 205 I6155c 1978]
IM Cit No 7908660

International Symposium on the Immunology and Immunopathology of the Eye, 2d, San Francisco, 1978. Immunology and immunopathology of the eye / edited by Arthur M Silverstein, G Richard O'Connor -- New York Masson Pub USA, c1979 386 p ill Proceedings of the symposium held May 8-10, 1978
1 Eye Diseases - immunology - congresses 2 Eye - immunology - congresses I O'Connor, G Richard, ed II Silverstein, Arthur M, ed III Title
ISBN 0-89352-042-X LC 79-84781
04NLM W3 IN924DM 2d 1978i
OXNLM [WW 140 I61 1978i]
IM Cit No 7908412

S

Symposium on the Pharmacological Effect of Lipids, St. Louis, 1978. The pharmacological effect of lipids / edited by John J Kabara -- Champaign, Ill American Oil Chemists' Society, c1978 ix, 216 p ill -- (AOCS monograph, 5)
1 Lipids - pharmacodynamics - congresses I Kabara, John J, ed II American Oil Chemists' Society III Title
LC 79-88794
04NLM QU 85 S9892p 1978
IM Cit No 7908601

DATA BASE UPDATE SCHEDULE FOR 1980

<u>UPDATE MONTH</u>	<u>UPDATED MEDLINE AND SDILINE AVAILABLE</u>	<u>UPDATED CANCERLIT AVAILABLE</u>	<u>UPDATED TOXLINE AVAILABLE</u>
JAN	DEC 10	JAN 21	JAN 28
FEB	JAN 7	FEB 18	FEB 25
MAR	FEB 4	MAR 17	MAR 24
APR	MAR 10	APR 21	APR 28
MAY	APR 7	MAY 19	MAY 26
JUN	MAY 5	JUN 23	JUN 30
JUL	JUN 9	JUL 21	JUL 28
AUG	JUL 7	AUG 18	AUG 25
SEP	AUG 4	SEP 22	SEP 29
OCT	SEP 8	OCT 20	OCT 27
NOV	OCT 6	NOV 17	NOV 24
DEC	DEC 8	DEC 15*	DEC 22*

*Modified due to holiday.

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 USAGE:
 V3405 = VADIC 3405 MODEMS
 B/V = TELENET VADIC "SUPER MODEM" (V3467) NODE: USERS WITH EITHER B212A OR V3405 MODEMS CAN USE THESE E NUMBERS.
 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	CONTACT ALASKA TELEPHONE COMPANY FOR ACCESS						
AL	BESSEMER				205/251-2495			
AL	BIRMINGHAM	205/942-4141	B		205/251-2495			
AR	LITTLE ROCK	501/372-5780	FX B					
AZ	MESA				602/257-1552			
AZ	PHOENIX	602/249-9261	B		602/257-1552			
AZ	PHOENIX	602/249-3862	B212A	120				
AZ	SCOTTSDALE				602/257-1552			
AZ	TEMPE				602/257-1552			
AZ	TUCSON	602/622-2752	FX B		602/791-7541			
AZ	TUCSON	602/622-2758	B212A	120				
CA	ALHAMBRA	213/572-0999	FX B		213/956-8235			
CA	ANAHEIM				714/558-6061			
CA	BURLINGAME	415/348-4992	FX B		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	408/257-0593	CCITT RESTRICTED FOR OVERSEAS USE ONLY					
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	HOLLYWOOD				213/624-0901	B212A	120	
CA	HOLLYWOOD				213/624-1521	V3405	120	
CA	HOLLYWOOD				213/624-8365	B/V	120	
CA	HUNTINGTON BEACH				714/558-6061			
CA	INGLEWOOD				213/624-5230			
CA	INGLEWOOD				213/937-3580			
CA	INGLEWOOD				213/624-0901	B212A	120	
CA	INGLEWOOD				213/624-1521	V3405	120	
CA	INGLEWOOD				213/624-8365	B/V	120	
CA	LONG BEACH				213/549-5150			
CA	LOS ALTOS				415/856-9930			
CA	LOS ANGELES	213/683-0451	B		213/624-5230			
CA	LOS ANGELES	213/629-3451	(30 CPS ONLY)					
CA	LOS ANGELES	213/629-1561	B		213/937-3580			
CA	LOS ANGELES				213/624-8365	B/V	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	MARINA DEL REY	213/821-2257	FX B		213/822-9287			
CA	MOUNTAIN VIEW	415/961-7971	B		408/856-9930			
CA	MOUNTAIN VIEW	415/941-8450	B					
CA	NEWPORT BEACH	714/540-9560	B		714/558-6061			
CA	NEWPORT BEACH	714/540-0951	B212A	120				

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
CA	NORWALK	213/865-2066	FX B212A	120			
CA	OAKLAND	415/836-8700	B		415/362-6200		
CA	OAKLAND	415/836-8900	B212A	120	415/956-5787	B212A	120
CA	OAKLAND				415/956-5777	V3405	120
CA	OXNARD	805/487-0482	B		805/659-4660		
CA	PALO ALTO	415/856-9080	B		415/856-9930		
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	714/293-3590	B212A	120			
CA	SAN DIEGO	714/291-8700	B		714/231-1922		
CA	SAN FRANCISCO	415/391-9325	B		415/362-6200		
CA	SAN FRANCISCO	415/362-4307	B				
CA	SAN FRANCISCO	415/421-7121	V3405	120	415/956-5777	V3405	120
CA	SAN FRANCISCO	415/788-7955	B212A	120	415/956-5787	B212A	120
CA	SAN FRANCISCO	415/982-5800	B212A	120			
CA	SAN JOSE	408/446-7001	V3405	120			
CA	SAN JOSE	408/446-7309	B212A	120			
CA	SAN JOSE	408/446-1470	B		408/279-8450		
CA	SAN MATEO				415/595-0360		
CA	SAN PEDRO	213/830-0775	FX B		213/549-5150		
CA	SANTA ANA				714/558-6061		
CA	SANTA BARBARA	805/687-6119	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		805/659-4660		
CA	WOODSIDE				415/856-9930		
CO	AURORA				303/623-0876		
CO	AURORA				303/629-1821	B212A	120
CO	BOULDER				303/623-0876		
CO	BOULDER				303/629-1821	B212A	120
CO	COLO. SPRINGS	303/471-9815	FX B				
CO	DENVER	303/573-9981	B		303/623-0876		
CO	DENVER	303/573-0177	B				
CO	DENVER	303/572-1107	V3405	120			
CO	DENVER	303/825-0635	B212A	120	303/629-1821	B212A	120
CO	LAKEWOOD				303/623-0876		
CO	LAKEWOOD				303/629-1821	B212A	120
CT	BRIDGEPORT	203/579-7820	FX B				
CT	DANBURY	203/743-1340	FX B				
CT	DARIEN	203/655-8931	B				
CT	DARIEN	203/655-7951	B212A	120			
CT	GREENWICH				203/357-1800		
CT	HARTFORD	203/568-2610	B		203/522-0344		
CT	HARTFORD	203/569-3643	B212A	120			
CT	MILFORD				203/789-0211		
CT	NEW HAVEN	203/789-0579	B		203/789-0211		
CT	STAMFORD				203/357-1800		
CT	WATERBURY	203/755-1153	FX B				
CT	WEST HARTFORD				203/522-0344		
DC	WASHINGTON	703/841-0200	B		202/347-1400		
DC	WASHINGTON	703/841-0265	B				
DC	WASHINGTON	703/841-9560	B		202/783-2050		
DC	WASHINGTON	703/524-9214	B212A	120	202/347-6093	V3405	120
DC	WASHINGTON	703/841-9330	V3405	120	202/347-3061	B212A	120
DC	WASHINGTON				202/347-6757	B/V	120
DC	WASHINGTON*	301/656-2726		30			
DC	WASHINGTON*	301/657-1896		30			
DC	WASHINGTON*	301/496-1994	FTS	15/30			
DC	WASHINGTON*	301/654-2540		15			
DC	WASHINGTON*	301/492-1840	B202	120			
DC	WASHINGTON*	301/652-4466	B212A	120			
DC	WASHINGTON*	301/656-4773	V3405	120			
DC	WASHINGTON	301/656-4774	B/V	120			
DE	WILMINGTON	302/658-5261	FX B		302/737-8550		
FL	CLEARWATER				813/224-9920		
FL	CLEARWATER				813/223-1088	B212A	120
FL	FT LAUDERDALE	305/467-7550	FX B		305/764-8880		
FL	JACKSONVILLE	904/721-8100	B		904/356-0790		

ST	CITY	TVMNET	TYPE	SPEED	TELENET	TYPE	SPEED
FL	MIAMI	305/374-7120	B		305/371-4801		
FL	MIAMI	305/358-7271	B212A	120	305/371-4822	B212A	120
FL	ORLANDO	305/851-3530 (30 CPS ONLY)			305/849-9600 (10-30 CPS)		
FL	ORLANDO	305/859-7670	B212A	120			
FL	PENSACOLA	904/434-0134	FX B				
FL	ST PETERSBURG	813/536-7823	B		813/823-3223		
FL	TAMPA	813/885-5485	FX B		813/224-9920		
FL	TAMPA				813/223-1088	B212A	120
FL	W PALM BEACH	305/622-2871	FX B				
GA	ATLANTA	404/659-6670	B		404/577-8911		
GA	ATLANTA	404/581-0619	B212A	120	404/523-0834	B212A	120
GA	SAVANNAH	912/352-7259	FX B				
HI	HONOLULU	CONTACT HAWAII TELEPHONE COMPANY FOR ACCESS					
IA	CEDAR RAPIDS	319/396-0600	FX B				
IA	COUNCIL BLUFFS				402/341-7570		
IA	COUNCIL BLUFFS				402/341-7733	B212A	120
IA	DES MOINES	515/280-9600	B				
IA	IONA CITY	319/354-7371	FX B				
ID	BOISE	208/343-4851	B				
IL	ARLINGTON HTS				312/372-4901		
IL	ARLINGTON HTS				312/263-3069	B212A	120
IL	ARLINGTON HTS				312/726-1957	V3405	120
IL	CHAMPAIGN				217/384-0011		
IL	CHICAGO	312/346-4961	B		312/372-4901		
IL	CHIAGO	312/368-4700	B				
IL	CHICAGO	312/368-4607	B				
IL	CHICAGO	312/368-4700	B				
IL	CHICAGO	312/346-0201	B212A	120	312/263-3069	B212A	120
IL	CHICAGO	312/372-0391	V3405	120	312/726-1957	V3405	120
IL	CICERO				312/372-4901		
IL	CICERO				312/263-3069	B212A	120
IL	CICERO				312/726-1957	V3405	120
IL	E. ST. LOUIS				314/231-8800		
IL	FREEPOR	815/233-5585	B	30			
IL	OAK PARK				312/372-4901		
IL	OAK PARK				312/263-3069	B212A	120
IL	OAK PARK				312/726-1957	V3405	120
IL	PEORIA	309/673-2156	FX B				
IL	ROCKFORD	815/398-6090	B				
IL	SKOKIE				312/372-4901		
IL	SKOKIE				312/263-3069	B212A	120
IL	SKOKIE				312/726-1957	V3405	120
IL	SPRINGFIELD	217/753-7905	B		217/753-1362		
IL	SPRINGFIELD	217/753-7900	B212A	120			
IL	SPRINGFIELD				217/753-1373	B/V	120
IL	URBANA				217/384-0011		
IN	EVANSVILLE	812/423-6885	FX B				
IN	FT WAYNE	219/424-5162	FX B				
IN	INDIANAPOLIS	317/926-1253	B212A	120			
IN	INDIANAPOLIS	317/257-3461	B		317/635-9630		
IN	MARION	317/662-0091	FX B				
IN	MISHAWKA				219/234-9071		
IN	OSCEOLA				219/234-9071		
IN	SOUTH BEND	219/233-4163	B		219/234-9071		
KS	KANSAS CITY	913/677-2833	B		816/474-1600		
KS	KANSAS CITY	913/677-0707	B212A	120	816/421-0375	B212A	120
KS	SHAWNEE MISSION	913/677-2833	B				
KS	SHAWNEE MISSION	913/677-0707	B212A	120			
KS	TOPEKA	913/233-0690	FX B				
KS	WICHITA	316/265-1241	B				
KS	WICHITA	313/264-7386	B212A	120			
KY	LEXINGTON	606/253-3463	B				
KY	LOUISVILLE	502/361-3881	B		502/459-7010		
KY	LOUISVILLE	502/361-2645	B212A	120			
LA	BATON ROUGE	504/292-4050	B				
LA	BATON ROUGE	504/292-2650	B212A	120			
LA	LAFAYETTE	318/235-3501	FX B				
LA	NEW ORLEANS	504/586-1071	B		504/524-0783		
LA	NEW ORLEANS				504/524-4094	B212A	120
LA	NEW ORLEANS	504/524-4371	B212A	120			
LA	SHREVEPORT	318/688-4666	B				
MA	ARLINGTON	617/482-4677	B				
MA	ARLINGTON	617/482-5622	B		617/338-1400		
MA	ARLINGTON	617/482-3386	B212A	120	617/642-0754	B212A	120
MA	ARLINGTON	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		

ST	CITY	TYMNET	TYPE	SPEED	TELENET	TYPE	SPEED
MA	BOSTON	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	BOSTON	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	BROOKLINE	617/482-4677	B				
MA	BROOKLINE	617/482-5622	B		617/338-1400		
MA	BROOKLINE	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	BROOKLINE	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	CAMBRIDGE	617/482-4677	B				
MA	CAMBRIDGE	617/482-5622	B		617/338-1400		
MA	CAMBRIDGE	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	CAMBRIDGE	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	CHICOPEE	413/781-6830	B		413/739-7221		
MA	HOLYOKE	413/781-6830	B		413/739-7221		
MA	MEDFORD	617/482-4677	B				
MA	MEDFORD	617/482-5622	B		617/338-1400		
MA	MEDFORD	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	MEDFORD	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	NEWTON	617/482-4677	B				
MA	NEWTON	617/482-5622	B		617/338-1400		
MA	NEWTON	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	NEWTON	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	QUINCY	617/482-4677	B				
MA	QUINCY	617/482-5622	B		617/338-1400		
MA	QUINCY	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	QUINCY	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	SOMERVILLE	617/482-4677	B				
MA	SOMERVILLE	617/482-5622	B		617/338-1400		
MA	SOMERVILLE	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	SOMERVILLE	617/482-1854	V3405	120	617/338-7495	V3405	120
MA	SPRINGFIELD	413/781-6830	B		413/739-7221		
MA	WALTHAM	617/482-4677	B				
MA	WALTHAM	617/482-5622	B		617/338-1400		
MA	WALTHAM	617/482-3386	B212A	120	617/542-0754	B212A	120
MA	WALTHAM	617/482-1854	V3405	120	617/338-7495	V3405	120
MD	ANNAPOLIS	301/547-8100	B		301/962-5010		
MD	BALTIMORE	301/547-8100	B		301/962-5010		
MD	BALTIMORE	301/685-2845	B212A	120			
MD	BETHESDA	703/841-0200	B		202/347-1400		
MD	BETHESDA	703/524-9215	B212A	120	202/347-3061	B212A	120
MD	BETHESDA	703/841-9330	V3405	120	202/347-6093	V3405	120
MD	COLLEGE PARK	703/841-0200	B		202/347-1400		
MD	DUNDALK	301/547-8100	B		301/962-5010		
MD	ROCKVILLE	703/841-0200	B		202/347-1400		
MD	SILVER SPRING	703/841-0200	B		202/347-1400		
MD	TOWSON	301/547-8100	B		301/962-5010		
MI	ANN ARBOR	313/665-2627	B		313/964-0351		
MI	DETROIT	313/963-3388	B		313/964-5538		
MI	DETROIT	313/963-8880	B212A	120	313/964-2988	B212A	120
MI	DETROIT	313/963-2353	V3405	120			
MI	GRAND RAPIDS	616/459-5069	FX B				
MI	JACKSON	517/787-9461	B				
MI	KALAMAZOO	616/385-3150	B				
MI	PLYMOUTH	313/459-8900	B				
MI	SOUTHFIELD	313/569-8350	B				
MI	ST-JOSEPH	616/429-2568	FX B				
MN	MINNEAPOLIS	612/339-5200	B		612/339-0150		
MN	MINNEAPOLIS	612/339-2415	B212A	120	612/338-3782	B212A	120
MN	ST. PAUL	612/339-5200	B		612/339-0150		
MN	ST. PAUL	612/339-2415	B212A	120	612/338-3782	B212A	120
MO	FLORISSANT				314/231-8800		
MO	FLORISSANT				314/241-8150	B/V	120
MO	KANSAS CITY	913/677-2833	B		816/474-1600		
MO	KANSAS CITY	913/677-0707	B212A	120	816/421-0375	B212A	120
MO	ST LOUIS	314/421-5110	B		314/231-8800		
MO	ST LOUIS	314/621-4660	B212A	120			
MO	ST LOUIS				314/241-8150	B/V	120
MS	JACKSON	601/944-0860	FX B				
NE	OMAHA	402/392-2970	B		402/341-7570		
NE	OMAHA				402/341-7733	B212A	120
NC	CHARLOTTE	704/372-9730	FX B		704/374-0371		
NC	DAVIDSON	919/549-0441	B		919/549-8310		
NC	DURHAM	919/549-0441	B		919/549-8310		
NC	GREENSBORO	919/379-0034	FX B				
NC	RALEIGH/DURHAM	919/549-0441	B		919/549-8310		
NC	RES. TRI. PARK	919/549-0441	B		919/549-8310		
NC	WINSTON-SALEM	919/725-1414	B		919/761-1957		
NC	WINSTON-SALEM	919/725-9252	B212A	120			
NH	MANCHESTER	603/669-0493	FX B				

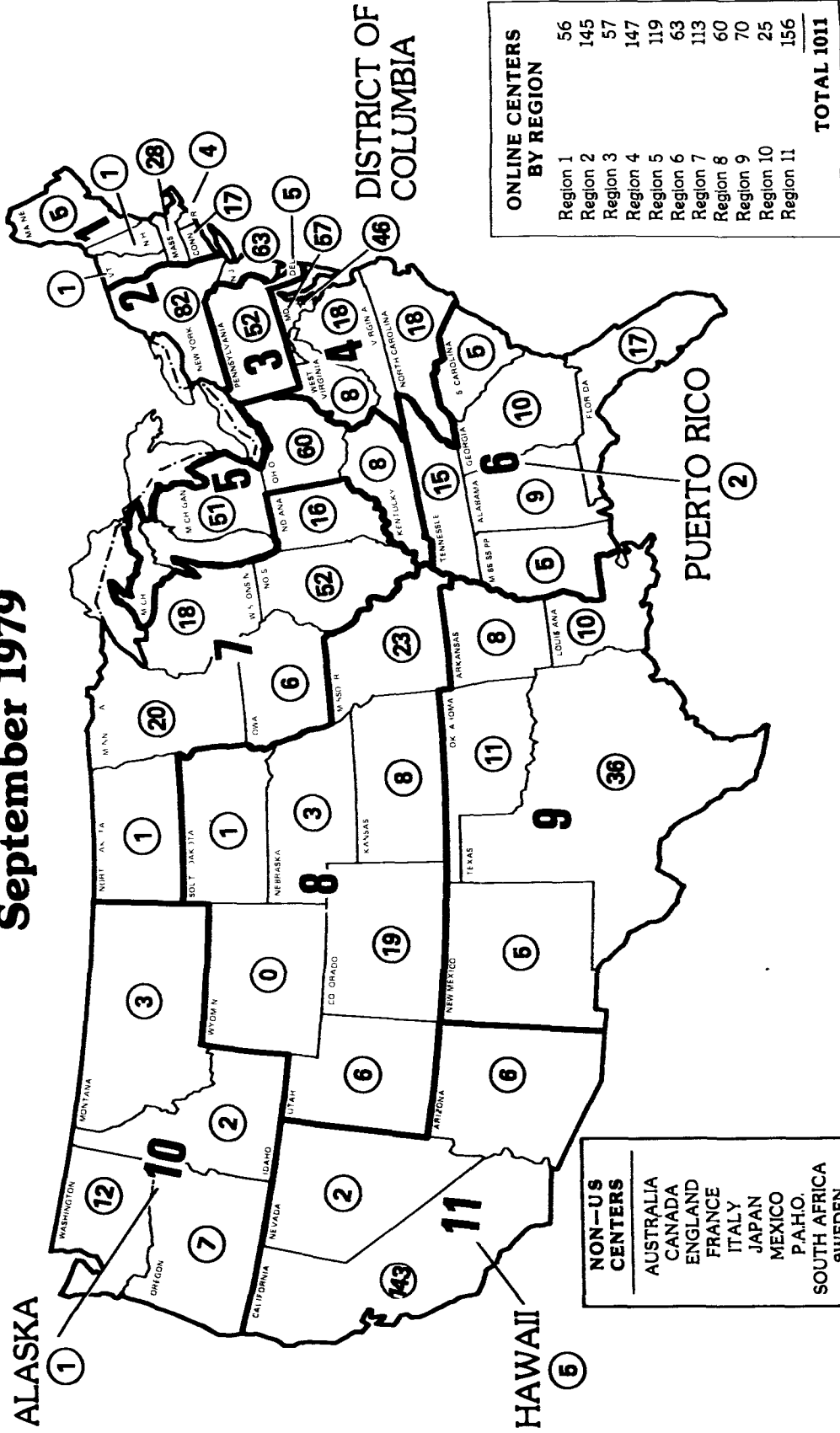
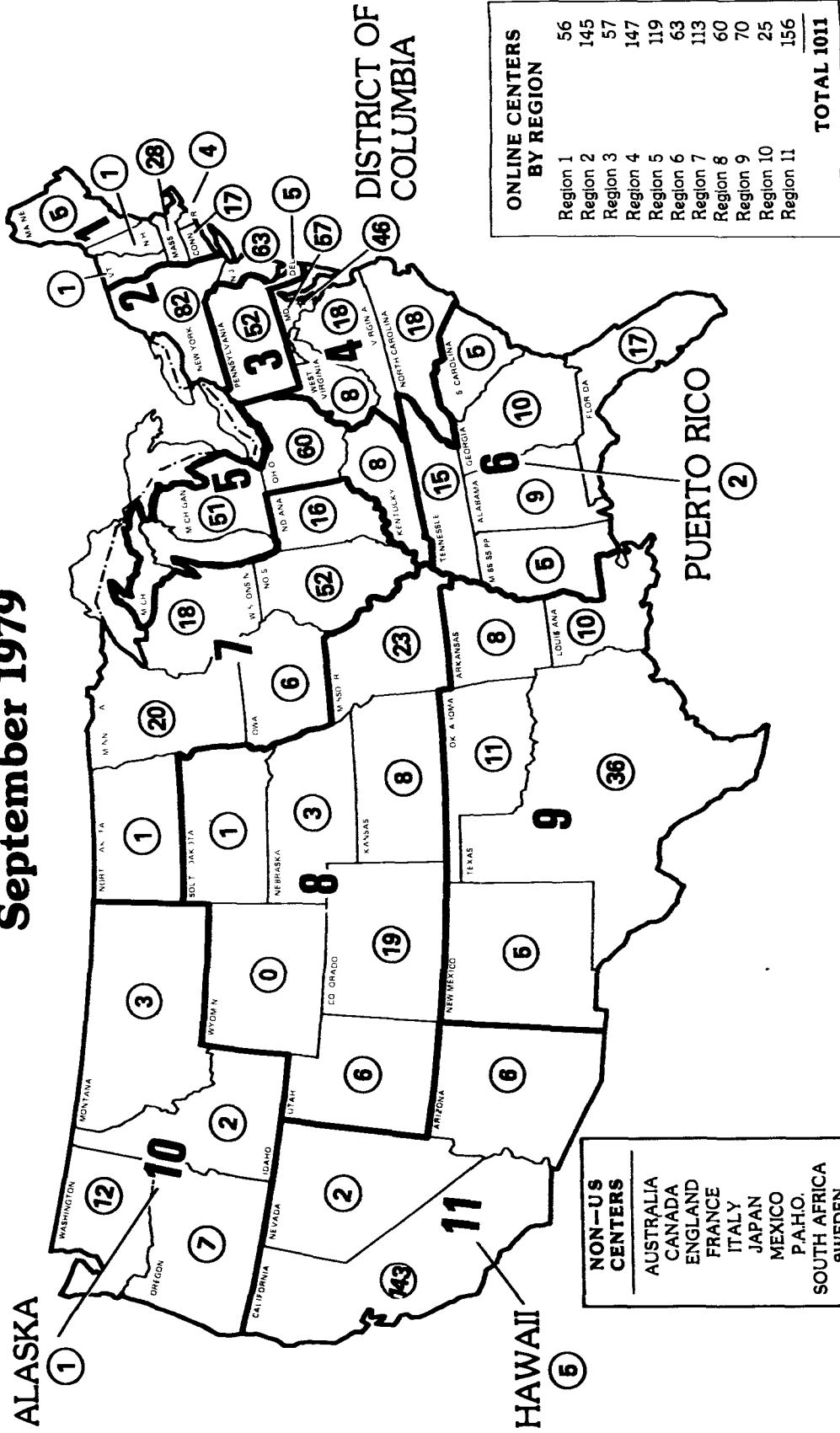
ST	CITY	TVMNET	TYPE	SPEED	TELENET	TYPE	SPEED
NH	NASHUA	603/889-8618	FX	B			
NJ	BAYONNE				201/623-6818		
NJ	BAYONNE				201/483-3737	B212A	120
NJ	ENGLEWOOD CLFS	201/894-8250	B				
NJ	JERSEY CITY				201/623-6818		
NJ	JERSEY CITY				201/483-3737	B212A	120
NJ	LYNHURST	201/460-0100	B				
NJ	LYNHURST	201/460-0180	B212A	120			
NJ	MOORESTOWN	609/235-3761	FX	B			
NJ	NEWARK	201/483-5937	B		201/623-6818		
NJ	NEWARK	201/483-4878	B212A	120	201/483-3737	B212A	120
NJ	PASSAIC				201/742-0858		
NJ	PATERSON				201/742-0858		
NJ	PISCATAWAY	201/981-1900	B				
NJ	PRINCETON	609/452-8970	FX	B			
NJ	PRINCETON	609/452-8560	B212A	120			
NJ	TRENTON				609/392-6101		
NJ	UNION	201/483-5937	B				
NJ	UNION	201/483-4878	B212A	120			
NJ	UNION CITY				201/623-6818		
NJ	UNION CITY				201/483-3737	B212A	120
NJ	WAYNE	201/785-4480	E				
NM	ALBUQUERQUE	505/842-6036	B212A	120			
NV	CARSON CITY	702/882-7810	B				
NV	CARSON CITY	702/883-6546	B212A	120			
NV	LAS VEGAS	702/386-1899	FX	B	702/733-2158		
NV	RENO	702/882-7810	B				
NV	RENO	702/883-6546	B212A	120			
NY	ALBANY	518/463-3111	FX	B	518/445-9111		
NY	BUFFALO	716/856-1400	E		716/847-0600		
NY	BUFFALO	716/847-0500	B212A	120			
NY	CORNING	607/962-5071	B				
NY	HEMPSTEAD	516/794-3390	FX	B	516/292-0320		
NY	HUNTINGTON, LI	516/673-5780	FX	B			
NY	NEW YORK	212/344-7445	B		212/736-7205		
NY	NEW YORK	212/683-0131	B				
NY	NEW YORK	212/350-9100	B		212/736-0099		
NY	NEW YORK	212/551-9322	B				
NY	NEW YORK	212/344-8211	B212A	120			
NY	NEW YORK	212/532-8101	B212A	120	212/736-3521	B212A	120
NY	NEW YORK	212/689-8910	V3405	120	212/736-1800	V3405	120
NY	NIAGARA FALLS	716/285-6691	FX	B			
NY	ROCHESTER	716/248-8000	B		716/454-3430		
NY	ROCHESTER	716/248-8350	B212A	120			
NY	SCHENECTADY				518/445-9111		
NY	SYRACUSE	315/437-7111	B		315/472-5503		
NY	TROY				518/445-9111		
NY	WHITE PLAINS	914/694-9361	B		914/682-8777		
NY	WHITE PLAINS	914/694-8960	B212A	120			
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	CLEVELAND	216/566-9801	B212A	120	216/696-4225	B/V	120
OH	COLUMBUS	614/421-7270	B		614/463-1400		
OH	COLUMBUS	614/421-1650	B212A	120			
OH	DAYTON	513/223-3847	B		513/461-1570		
OH	EUCLID				216/241-0940		
OH	EUCLID				216/696-4225	B/V	120
OH	KENT				216/762-9791		
OH	PARMA				216/241-0940		
OH	PARMA				216/696-4225	B/V	120
OH	TOLEDO	419/243-3144	FX	B	419/243-8871		
OH	YOUNGSTOWN				216/743-2296		
OK	BETHANY	405/947-0561	B		405/232-4550		
OK	NORMAN	405/947-0561	B		405/232-4550		
OK	OKLAHOMA CITY	405/947-0561	B		405/232-4550		
OK	OKLAHOMA CITY	405/949-0125	B212A	120	405/232-4546	B/V	120
OK	TULSA	918/663-2220	B		918/584-3215		
OK	TULSA	918/665-2750	B212A	120	918/584-3247	B212A	120
OR	PORTLAND	503/231-4050	B		503/243-2800		
OR	PORTLAND	503/231-4077	B212A	120			
PA	ALLENTOWN	215/433-6131	FX	B	215/435-8268		
PA	ERIE	814/453-7161	B				
PA	HARRISBURG	717/236-1190	FX	B			
PA	PENN HILLS				412/288-9950		
PA	PENN HILLS				412/288-9974	B212A	120
PA	PHILADELPHIA	215/561-6120	B		215/574-0620		

ST	CITY	TVMNET	TYPE	SPEED	TELENET	TYPE	SPEED
PA	PHILADELPHIA	215/567-1381	B212A	120	215/574-9462	B212A	120
PA	PITTSBURGH	412/765-1320	B		412/288-9950		
PA	PITTSBURGH	412/261-4151	B212A	120	412/288-9974	B212A	120
PA	UPPER DARBY				215/574-0620		
PA	UPPER DARBY				215/574-9462	B212A	120
PA	VALLEY FORGE	215/666-9190	B				
PA	YORK	717/846-4802	FX B				
RI	PROVIDENCE	401/274-5783	FX B		401/272-9290		
RI	WARWICK				401/272-9290		
SC	COLUMBIA	803/252-0840	FX B				
SC	GREENVILLE	803/271-2418	FX B				
TN	CHATTANOOGA	615/756-5856	B				
TN	KNOXVILLE	615/637-3118	FX B				
TN	MEMPHIS	901/529-0170	B		901/525-2563		
TN	MEMPHIS	901/529-0183	B212A	120			
TN	NASHVILLE	615/367-9382	B		615/244-8310		
TX	AUSTIN	512/444-3280	B		512/926-2160		
TX	AUSTIN	512/443-8191	B212A	120			
TX	BAYTOWN	713/427-1123	FX B				
TX	BEAUMONT	713/832-2589	FX B				
TX	CORFUS CHRISTI	512/882-3641	FX B				
TX	DALLAS	214/638-8888	B		214/748-0127		
TX	DALLAS	214/688-1444	B212A	120	214/651-0192	B212A	120
TX	DALLAS				214/748-6371	V3405	120
TX	EL PASO	915/544-9590	B				
TX	EL PASO	915/532-1936	B212A	120			
TX	FORT WORTH	214/263-4581	FX B		817/336-7791		
TX	HOUSTON	713/785-4411	B		713/224-3380		
TX	HOUSTON	713/977-4080	B				
TX	HOUSTON	713/780-7390	B				
TX	HOUSTON	713/780-7496	V3405	120			
TX	HOUSTON	713/977-7671	B212A	120	713/225-9359	B212A	120
TX	LACKLAND				512/227-7784		
TX	LONGVIEW	214/758-1756	FX B				
TX	LUEBCK	806/762-0136	FX B				
TX	MIDLAND	915/683-5645	B				
TX	MIDLAND	915/683-9833	B212A	120			
TX	ODESSA	915/563-3745	FX B				
TX	SAN ANTONIO	512/696-4002	B		512/227-7784		
TX	SAN ANTONIO	512/699-9627	B212A	120			
UT	SALT LAKE CITY	801/582-8972	B		801/364-2644		
UT	SALT LAKE CITY	801/582-6060	B212A	120			
VA	CHESAPEAKE				804/625-8291		
VA	NORFOLK	804/622-0435	FX B		804/625-8291		
VA	FORTSMOUTH				804/625-8291		
VA	RICHMOND	804/649-3050	FX B		804/358-1941		
VA	VIRGINIA BEACH				804/625-8291		
VT	BURLINGTON	802/864-0054	FX B212A	120			
WA	BELLEVUE	206-625-9937	B		206/447-9012		
WA	BELLEVUE	206-625-8226	B212A	120	206/623-8937	B212A	120
WA	RICHLAND	509/375-1975	B				
WA	RICHLAND	509/375-3367	B212A	120			
WA	SEATTLE	206/625-9900	B		206/447-9012		
WA	SEATTLE	206/625-9937	B212A	120	206/623-8937	B212A	120
WA	SPOKANE				509/455-7601		
WA	SPOKANE	509/838-8226	B212A	120	509/455-4071	B/V	120
WI	MADISON	608/221-4211	B		608/251-5904		
WI	MILWAUKEE	414/257-3482	B		414/271-2560		
WI	MILWAUKEE	414/257-1703	B212A	120			
WI	OSHKOSH	414/235-4594	FX B				
WV	CHARLESTON	304/345-2908	FX B				



ONLINE CENTERS IN THE UNITED STATES

September 1979



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145. OXYGEN subheadings

OXYGEN involved in the pulmonary respiratory process is indexed under OXYGEN/physiology. The following titles are correctly indexed under OXYGEN/physiology in addition to other headings:

Regulation of regional perfusion distribution in the lungs: effect of regional oxygen concentration
Impairment of oxygen transfer in the lung
Effect of changes in inspired oxygen concentration on the experimental production of pulmonary edema in the dog
Oxygen exchange in a simulated trout gill
Effect of halothane anesthesia on critical oxygen tension
Respiratory gas exchange during breathing of oxygen in different inert gases
Depression of serotonin clearance by the rat lung during oxygen exposure

The physiological role of oxygen outside a pulmonary terrain can also be indexed properly under OXYGEN/physiology. That is, OXYGEN/physiology need not be restricted to its action in pulmonary respiration.

OXYGEN/metabolism is not restricted to the metabolism of oxygen in plants and lower organisms. It may be used also for oxygen metabolism in human or animal tissue as well. It can be used for such concepts as "oxygen transport" and "oxygen binding".

Be careful, however, to differentiate OXYGEN/metabolism from OXYGEN CONSUMPTION. Titles and texts almost always give a clue to OXYGEN CONSUMPTION, for this expression is almost always used. A common synonym for it is "tissue respiration".

Remember that a breakdown of /metabolism is /blood and this should be used especially with the presence of oxygen in the blood or blood cells and with the binding of oxygen to blood components (e.g., hemoglobin).

Do not use OXYGEN/biosynthesis even for the release of molecular oxygen by plants or micro-organisms: this is OXYGEN/metabolism.

"Oxidation" is indexed under OXIDATION-REDUCTION.

"Hypoxia" will lend some confusion. MeSH gives two cross-references: HYPOXIA see ANOXIA and OXYGEN DEFICIENCY see ANOXIA. ANOXIA is in Category C23, treed under respiratory signs and symptoms. As a Category C term it is restricted to ANOXIA as a disease or clinical state of malaise, altered heart and respiration rates, cyanosis, etc. Titles, however, often use the term "hypoxia" to mean merely a decrease of oxygen in such expression as "hypoxic conditions", "hypoxic cells", "hypoxic environment", "hypoxic tissue."

Hypoxia thus used in a non-disease context, may be indexed under OXYGEN/physiology, OXYGEN/metabolism or even OXYGEN/pharmacodynamics depending on the context of the article and the tenor of the study, both in relation to the subheading uses above and the MeSH definition of the subheadings.

"Hyperoxia" or the increase of oxygen is indexed the same way.

146. PARESIS (C1, C10)

This is used two ways in the literature: as a synonym for PARALYSIS, especially in foreign literature, and as a synonym for GENERAL PARALYSIS in American literature.

PARESIS is indented in C1 under NEUROSYPHILIS. Read the definition in Dorland. For indexing check the article to see which "paresis" the author means.

147. PEPTIC ULCER PERFORATION (C6)

In using the coordinates for stomach and duodenum in specifying the site of the perforation, index thus (note the proper subheading): PEPTIC ULCER PERFORATION (IM) and STOMACH ULCER /complications (IM) or PEPTIC ULCER PERFORATION (IM) and DUODENAL ULCER /complications (IM). Obviously, general or unspecified perforation of a peptic ulcer is only PEPTIC ULCER PERFORATION. Surgery of a perforated stomach ulcer is indexed PEPTIC ULCER PERFORATION /surgery (IM) and STOMACH ULCER /complications (not /surgery) (IM).

234. Selection of Articles in Selectively Indexed Chemical Journals

Many of the journals indexed in INDEX MEDICUS in the field of chemistry are selectively indexed. Below are guidelines for the selection or rejection of articles concerning chemicals from journals indicated SELECTIVE in the LIST OF JOURNALS INDEXED IN INDEX MEDICUS under the rubric "Chemistry." Although such articles will be found predominantly in chemical journals, the principles of selectivity of chemical articles will apply also to selectively indexed journals in other fields.

The specified criteria should be followed in most cases, although there will be an occasional exception to these general rules based on intelligent application. The suggestions below, however, should dispel most cases of doubt and should make the citations in INDEX MEDICUS more relevant.

INDEX AS IN SCOPE ARTICLES ON

1. all chemical substances discussed from the viewpoint of their biological activity except under the conditions of 18-20 and 26 below;
2. all chemical substances discussed from the viewpoint of their pharmacological activity and pharmaceutical properties;
3. all chemical substances discussed from the viewpoint of their toxicological effect in man and animal;
4. all chemical substances discussed from the viewpoint of any other medical aspect;
5. all chemical substances in food, food plants (except forage) and medicated feeds except as they relate to food technology and under the conditions of 28 below;
6. all environmental pollutants (Category D5) in foods, food plants (except forage) and medicated feeds;
7. all environmental pollutants (Category D5) in air and water with discussion of direct relation to health hazards;
8. all radioactive pollutants (Category D5) in air and water with discussion of direct relation to health hazards;

9. tobacco smoke except under the conditions of 23 (see also MeSH Annotation under SMOKE);
10. all enzymes except those from plants and invertebrates, or when used as reagents in assays not in scope;
11. all natural hormones except plant and invertebrate hormones (unless the article deals with their direct application to the biology of human beings and higher animals);
12. all DNA and RNA except in plants;
13. data bases generated by or related to NLM data bases, including MEDLINE, CANCERLIT, CANCERPROJ, CHEMLINE, CLINPROT, TOXLINE, EPILEPSYLINE, RTECS;
14. data bases directly relevant to the bio-medical sciences (e.g., BIOSIS).

DO NOT INDEX AS OUT OF SCOPE ARTICLES ON

15. analytic, isolation or determinative technics discussing only the technic or instrumentation irrespective of the substance analyzed;
16. analytic, isolation or determinative technics for in vitro chemicals, with special reference to the following:
17. the isolation, synthesis, structure, analysis or physical properties of a chemical in non-biological matter;
18. the isolation, synthesis, structure, analysis or physical properties of a chemical in plants;
19. the isolation, synthesis, structure, analysis or physical properties of a chemical in non-pathogenic bacteria, viruses, fungi or other lower organisms unless these species are discussed as models for processes taking place in higher animals;

20. photosynthesis in plants and lower organisms;
21. environmental pollutants in soil;
22. analytic technics for environmental pollutants (Category D5) in air and water with no discussion of direct relation to health hazards;
23. analytic technics for tobacco smoke with no discussion of direct relation to health hazards;
24. the isolation, synthesis, structure, analysis or physical properties of nucleosides, nucleotides, proteins, peptides, amino acids, carbohydrates, glycosides, lipids, steroids, synthetic hormones and toxins except when they relate to biochemical genetics;
25. the isolation, synthesis, structure, analysis or physical properties of alkaloids;
26. chemical substances (including hormones and enzymes) from invertebrates unless the article deals with their direct application to the biology of human beings and higher animals;
27. the chemical synthesis, structure, analysis or physical properties of antibiotics or the biosynthesis of antibiotics by organisms unless the article deals with their pharmacological significance;
28. the isolation, synthesis, analysis or preparation of chemicals in food and medicated feeds and as related to food technology (flavor, aroma, color, texture, cookability, etc.).

In the selection of chemical articles in selectively indexed journals, as with articles in other selective areas, e.g., psychology and genetics (see TECHNICAL NOTE 232), apply this rule: when in doubt, include. Most articles, however, can be decisively chosen for indexing or rejected on the basis of the above criteria. In the few doubtful cases this rule of thumb can be applied: If the questionable article is meant for the physician or biochemist, accept it; if the questionable article is meant for the theoretical or

analytical chemist or - in the case of environmental pollutants - for the sanitary or industrial engineer, reject it. While the affiliation of the author with a medical school can sway your choice for selection in doubtful cases, the support of the research by the National Institutes of Health or other government agency is not necessarily a potent argument in favor of indexing an otherwise questionable article.

235. Selection of Articles in Selectively Indexed Psychology Journals

Almost 100 psychology journals are indexed in INDEX MEDICUS. Of these over 50 are selectively indexed. Although the MeSH coverage of terms in the field of psychology is excellent and can handle every required concept, most articles in selectively indexed psychology journals are out of scope.

While the criteria and guidelines below are to be followed in choosing articles for indexing from selectively indexed psychology journals, the principles should be applied to the selection or rejection of psychology articles from other selectively indexed journals.

INDEX AS IN SCOPE ARTICLES ON

1. any Category F3 term;
2. any psychological concept in a somatic or mental disease;
3. the effect of a drug or chemical on any psychological concept in Categories F1 and F2;
4. the effect of radiations on any psychological concept in Categories F1 and F2;
5. a Category F1 and F2 concept only from an organic or physiological viewpoint or in a somatic or psychiatric disease or under the conditions of 3 and 4 above; see also exceptions for inclusion at 6-9 below;
6. any psychological concept involving a newborn infant and probably early infancy;
7. PSYCHOPHYSIOLOGY and all indentions in Category F2;
8. PERCEPTION and all indentions in Category F2 except SOCIAL PERCEPTION;
9. SMOKING;
10. psychological tests and projective technics only if discussed with regard to diagnosis, prognosis or treatment plan in a disease;

11. conditioning or classical conditioned reflex only if the process involves an organ, physiology, disease or therapy;
12. PSYCHOANALYSIS as a specialty and PSYCHOANALYTIC THERAPY, but not psychoanalytic theory nor psychoanalytic interpretation of non-medical concerns;
13. psychoanalytic interpretation of dreams, since DREAMS is in scope as psychophysiology;
14. PSYCHOTHERAPY and all indentions in Category F4;
15. mental health, mental health services and mental health personnel;
16. psychiatric hospitals, psychiatric services and personnel;
17. physicians and other health occupations and medical students and other health occupation students;
18. PSYCHOLOGY, CLINICAL as a field and in diagnosis and therapy.

DO NOT INDEX AS OUT OF SCOPE ARTICLES ON

19. any Category F1 and F2 concept unless from the viewpoint of physiology, in a disease or as affected by drugs and chemicals or radiations;
20. any psychological or projective test discussing its validation, quantification, replication, etc.; see 10 above;
21. psychometrics and psychometric theory;
22. CRIME and CRIMINOLOGY;
23. attitude, public opinion, opinion, prejudice;
24. motivational research and advertising;
25. academic achievement unless of medical students and other health occupations students;

26. educational psychology, the field and subjects in it unless in scope under the conditions of 1-18;
27. military psychology, the field and subjects in it unless in scope under the conditions of 1-18;
28. applied psychology, the field and subjects in it unless in scope under the conditions of 1-18;
29. industrial psychology, the field and subjects in it unless in scope under the conditions of 1-18;
30. social psychology, the field and subjects in it unless in scope under the conditions of 1-18;
31. parapsychology, telepathy, the spirit world and the like;
32. PSYCHOLOGY as a field;
33. schools of thought in psychology;
34. psychological theory;
35. PSYCHOANALYTIC THEORY, PSYCHOANALYTIC INTERPRETATION and SYMBOLISM except in relation to subjects in scope;
36. aptitude and APTITUDE TESTS unless affected by disease, drugs or radiations;
37. INTELLIGENCE and INTELLIGENCE TESTS unless affected by disease, drugs or radiations;
38. MEMORY unless affected by disease, drugs or radiations;
39. CHILD DEVELOPMENT unless the physiology of development or unless affected by disease, drugs or radiations;
40. COMMUNICATION and ANIMAL COMMUNICATION;
41. INFORMATION THEORY;
42. HUMAN ENGINEERING except in relation to disabled persons;
43. INTERPERSONAL RELATIONS; unless in relation to subjects in scope;

44. PARENT-CHILD RELATIONS and all indentions unless in relation to subjects in scope;
45. HUMOR and humorous articles unless in relation to subjects in scope.

The repetitive points above may be summarized thus: any psychological concept or MeSH term is in scope if it is in an article discussing an organ, a physiological process, a disease, the effect of drugs and chemicals or radiations on it.

After all of the stated criteria have been applied, if the indexer is still unsure, he will follow the customary practice: when in doubt, include. The criteria should dispel doubts, however, on most questions of inclusion or exclusion. The rule of thumb here is that applied to all questions of inclusion: Will this article be of value in a medical index to a physician or is it of interest only to a psychologist? If it has any interest for a physician, index it. This means that any of the items above if written from a medical or psychiatric viewpoint or in relation to a somatic or physical disorder, is IN SCOPE. If in doubt, index the article.

236. Selection of Articles for POPULATION SCIENCES

A specialized bibliography entitled POPULATION SCIENCES is published by the Center for Population Research of the National Institute of Child Health and Human Development. This is one of the derivative publications of MEDLARS and is the product of articles indexed by NLM indexers for the SPECIAL LIST REPRODUCTION data base.

All rules pertaining to the indexing of articles for INDEX MEDICUS apply to the indexing of this special material. Any problem arising centers not about indexing an article but about the selection of an article for indexing.

Not all journals to be indexed for this bibliography contain articles in scope. In general its scope is reproduction and any state leading to successful pregnancy or any state preventing pregnancy.

Category G8 of the MeSH Tree Structures is devoted to the physiology of reproduction but not everything in this subcategory is in scope for this special list. Reproduction as restated below is here defined as all physiological stages from oogenesis and spermatogenesis up to nidation.

Below are guidelines for the selection of articles from journals routinely perused in Index Section for candidate articles to be cited in POPULATION SCIENCES.

INDEX AS IN SCOPE ARTICLES ON

1. reproduction in its physiological stages up to but not including nidation in humans, and in animals only with discussion of direct application to humans;
2. fertility and sterility in humans;
3. fertility and sterility in animals only if discussed with direct application to humans;
4. contraception, contraceptive devices, contraceptive agents and surgical or other contraceptive technics for the human, but for animals only if discussed with direct application to humans;
5. the effect of drugs and radiations on reproduction under the conditions of 1-3 above;

6. the physiological role or pharmacological effects of hormones directly related to reproduction as above;
7. artificial insemination in the human and in animals only if discussed with direct application to the human;
8. in vitro fertilization of the human system and of animal system for only Category B2 mammals;
9. birth control programs, family planning programs and population control programs (including abortion to control populations).

DO NOT INDEX AS OUT OF SCOPE ARTICLES ON

10. genital anatomy, cytology or physiology unless the article discusses its direct relation to reproduction as above and to fertility or sterility;
11. genital diseases unless the article discusses their direct relation to reproduction as above and to fertility or sterility;
12. ova or spermatozoa unless the article discusses their direct relation to reproduction as above and to fertility or sterility;
13. pregnancy since this represents the result of a successful reproductive process and is therefore interdicted by the fourth paragraph of the introduction above;
14. the fetus since this represents the product of a successful pregnancy;
15. abortion since this represents the termination of a successful pregnancy; note 9 above;
16. hormones unless they have a direct physiological or pharmacological relation to reproduction, fertility or sterility and the article discusses this relation;
17. genital and other secretions unless they have a direct relation to reproduction, fertility or sterility and the article discusses this relation;

18. sex behavior unless the discussion has a direct relation to reproduction.

The criteria specified above should be followed in most cases. There will be an occasional exception to these general rules of inclusion or exclusion; there will be an occasional instance not covered by the specifications above. A decision for or against inclusion will be based on the intelligent application of these guidelines.

Application of these criteria should result in a clean-cut decision on a clear-cut article. As in the case of other areas of selectivity, when in doubt, index the article.

237. Cloning and CLONE CELLS

CLONE CELLS has been in the MEDLARS system since 1964. Its use is restricted to cell populations derived from a single cell by natural asexual division or by nuclear cloning. It should not be used for molecular cloning.

The word "cloning" is seen in the literature for three dissimilar processes: for natural asexual reproduction, for nuclear cloning, for molecular cloning.

A population of cells derived by natural asexual reproduction of a single cell is a clone and is correctly indexed under CLONE CELLS.

A population of cells derived by nuclear cloning - i.e., by the removal of a nucleus from a somatic cell and its implantation into an enucleated egg which develops to produce an individual with precisely the same genes as those of the cell from which the nucleus was taken - is also a clone and is correctly indexed under CLONE CELLS + CELL NUCLEUS /transplantation.

The replication of recombinant DNA molecules in cloning vehicles such as bacterial plasmids or other genetic vectors is "molecular cloning" and is correctly indexed under DNA, RECOMBINANT. A term for "molecular cloning" will be added to MeSH in 1980.

(by P. Pothier, MeSH)

238. Joint headings

Technical Note 116 wiped out the distinction between subheadings to be used with bone or site terms (ANKLE, ELBOW, etc.) and those to be used with joint terms (ANKLE JOINT, ELBOW JOINT, etc.).

Because the system carries such concepts as bones, sites and joints, because the treeing does not make an absolute distinction among these concepts, and because authors use such words as "hip", "shoulder", "knee" very loosely in titles to refer to bones or sites or joints interchangeably, it is up to the indexer to seek out the exact meaning from the text of the article.

Use the guidelines below in making your choice between these pairs:

ANKLE	FINGERS	KNEE	TOES
ANKLE JOINT	FINGER JOINT	KNEE JOINT	TOE JOINT
ELBOW	HIP	SHOULDER	WRIST
ELBOW JOINT	HIP JOINT	SHOULDER JOINT	WRIST JOINT

1. Articles on the anatomy of these pairs tend to fall mostly into the site or bone heading with /anatomy & histology, rather than the joint term, as "measurement of the circumference of the knee" (KNEE /anatomy & histology) but "articular parameters of the ankle" is certainly ANKLE JOINT /anatomy & histology.
2. Articles on stability, movement, articulation, goniometry, biomechanics, mechanical behavior, flexion, cartilage space and the like, will probably go under the joint heading, with the subheading /physiology, as "total motion knee goniometry" indexed under KNEE JOINT /physiology.
3. Articles on the radiography of these pairs tend to be indexed under the site or area with the subheading /radiography. This is because in x-ray observations surrounding or adjacent bones are usually of interest.

4. The following headings will require coordination with the joint term, not the bone nor site term:

BURSA, SYNOVIAL	SYNOVIAL MEMBRANE
CARTILAGE, ARTICULAR	SYNOVIAL FLUID
LIGAMENTS, ARTICULAR	TENDONS, PARA-ARTICULAR

5. Cartilage may be articular or non-articular. If clearly coordinated with a joint term, CARTILAGE, ARTICULAR is the correct heading. Conversely, if the indexer used the heading CARTILAGE, ARTICULAR, then the proper coordinate is the joint heading, not the site or bone term.
6. Diseases will tend to be indexed with the bone heading or joint heading, rather than with the site term.
7. PAIN tends to be coordinated with the joint heading but pain at the site or in the bone is often possible.
8. The following general disease processes in Category C5 under JOINT DISEASES at C5.550 must be coordinated with the joint term, not the site term:

ANKYLOSIS	HYDRARTHROSIS
ARTHRITIS	OSTEOARTHRITIS
ARTHROGRYPOSIS	OSTEOARTHROPATHY, PRIMARY
ARTHROPATHY, NEUROGENIC	HYPERTROPHIC
BURSITIS	OSTEOARTHROPATHY, SECONDARY
CHONDROCALCINOSIS	HYPERTROPHIC
CONTRACTURE	PERIARTHRTIS
GOUT	SYNOVITIS
HEMARTHROSIS	

9. All specific diseases in Category C5 under JOINT DISEASES at C5.550, when needing a specific organ coordinate, will naturally coordinate with the joint heading, not the site heading.
10. The developmental disorders involving the cartilage and seen in the various -CHONDRO- headings in MeSH in Category C5 under BONE DISEASES, DEVELOPMENTAL (chondro- in Greek is the Latin cartilago) will probably be coordinated with the joint term when necessary.

11. The location of skin diseases and skin neoplasms with regard to these pairs will be indexed with the site term and, at that, probably as NIM. The point of an article on a basal cell carcinoma of the skin at the elbow is not ELBOW as an IM concept.

It should be noted that the guidelines above are only that; the instructions here are destined to make the indexers' approach to these site/bone/joint terms consistent but they cannot take precedence over the text of the author.

Usually the text gives the indexer enough precise information to apply these hints, but there will be an occasional instance when the indexer will have to think hard about whether the correct choice is the site or the joint. These instances of imprecision are in the minority. Following the outline above the indexer will almost always make the right decision.

239. Manifestations headings

There are four manifestations headings in MeSH: EYE MANIFESTATIONS, NEUROLOGIC MANIFESTATIONS, ORAL MANIFESTATIONS and SKIN MANIFESTATIONS. Policy regarding their use is given in the MEDLARS INDEXING MANUAL 23.36.

Perusal of citations under each of these headings in any CUMULATED INDEX MEDICUS discloses an irregular and incorrect use of these four terms.

Indexers in general follow the basic principle given in the INDEXING MANUAL 23.36.1 in keeping with the original intent of these four headings: use EYE MANIFESTATIONS in non-eye diseases, SKIN MANIFESTATIONS in non-skin diseases, etc. Beyond this, however, incorrect and inconsistent indexing is common with the four.

Follow the guidelines below which, in effect, restate or amplify the words of the INDEXING MANUAL. For the sake of brevity, the guidelines will discuss and illustrate using NEUROLOGIC MANIFESTATIONS, but all principles will refer equally to EYE MANIFESTATIONS, ORAL MANIFESTATIONS and SKIN MANIFESTATIONS.

1. When a title says "Neurologic manifestations of ..." determine whether the article is rather on NERVOUS SYSTEM DISEASES (general or unspecified) or on a specific nervous system disease. If on NERVOUS SYSTEM DISEASES or a specific neurologic disorder, index as appropriate but do not add NEUROLOGIC MANIFESTATIONS.
2. When a title says "Neurologic manifestations of ..." and a neurologic term from MeSH Category C10 is not discussed in the article, NEUROLOGIC MANIFESTATIONS is correct - provided the disease of which we have the neurologic manifestation is not a neurologic disease. That is, "Neurologic manifestations of systemic lupus erythematosus" (a non-neurologic disease) is indexed under LUPUS ERYTHEMATOSUS, SYSTEMIC /complications + NEUROLOGIC MANIFESTATIONS - if a more specific nervous system state is not discussed (this is usually not the case: see items 4-7 below). If, however, the "neurologic manifestation" in the article turns out to be neuromyelitis optica, the correct indexing is LUPUS ERYTHEMATOSUS, SYSTEMIC /complications + NEUROMYELITIS OPTICA /etiology and not also NEUROLOGIC MANIFESTATIONS.
3. Titles use many synonyms for "neurologic manifestations": "neural manifestations", "neurologic syndromes", "neurologic symptoms", "neurologic conditions", "neurologic involvement", "neurologic complications", "neuropathologic manifestations", "nervous signs", etc. - all expressions taken from titles in INDEX MEDICUS.

These are almost all incorrectly indexed under NEUROLOGIC MANIFESTATIONS for examination of the articles yields clinical NERVOUS SYSTEM DISEASES or specific nervous system diseases.

4. Priority 1 and 2 journals may follow common patterns in titles, using expressions such as above in item 3, but articles in journals of this stature seldom discuss diseases in such watered-down terms as "neurological manifestations" when the patient has neuritis, encephalopathy, neuroleukemia, neuronal storage disease, radiculitis, ophthalmoplegia, etc.
5. A one- or two-page article entitled "Neurologic manifestations of ..." in a Priority 3 journal could conceivably be written in general terms but more often than not a non-specific title turns out to be a short simple article on a specific nerve or nerve disease. How often does "Antibiotic therapy" turn out to be an article on PENICILLIN G?
6. Articles containing the words-in-titles to follow should never have been indexed under NEUROLOGIC MANIFESTATIONS: "encephalopathic syndrome", "neurologic disorders", "neurologic diseases", "autonomic crises", "clinical manifestations of intracranial tumors", "neurologic changes" and "polyradiculopathy".
7. It is very unlikely that a neurology journal - regardless of priority - will publish articles indexable with merely NEUROLOGIC MANIFESTATIONS. A neurologist troubling to report a case and write an article in his field is prepared to discuss a disease in more specific terms than NEUROLOGIC MANIFESTATIONS.

An article entitled "Initial neurological manifestations of cylindroma of probable parotid origin", published in the REVUE D'OTO-NEURO-OPHTALMOLOGIE, is wrongly indexed under NEUROLOGIC MANIFESTATIONS.

In other words, a specialty journal in neurology, dermatology, ophthalmology or oral medicine will probably NOT be indexed with NEUROLOGIC MANIFESTATIONS, SKIN MANIFESTATIONS, EYE MANIFESTATIONS or ORAL MANIFESTATIONS: more specific MeSH terms are available.

8. Do not index under NEUROLOGIC MANIFESTATIONS when instead the subheadings /physiopathology or /pathology should be used with a nervous system or nerve heading or with a nervous system disease.

9. Never use a subheading with a manifestation heading.

Since indexers index by the text and not by the title, the text is always available for examination for a better, more specific, more informative heading than NEUROLOGIC MANIFESTATIONS, EYE MANIFESTATIONS, SKIN MANIFESTATIONS or ORAL MANIFESTATIONS.

By the MEDLARS rules of specificity and from the nature of most journals in the LIST OF JOURNALS INDEXED IN INDEX MEDICUS, use of the four manifestations terms should be reduced to a minimum.

THE NLM TECHNICAL BULLETIN

DECEMBER 1979

NO. 128

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*AVLINE	8,178	THROUGH 1979	27 DEC 79	
MED66	501,802	JAN 66-DEC 68	08 DEC 79	
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*BIOETHICS	8,930	JAN 73-SEP 79	27 NOV 79	7911(EM)
*CANCERLIT	195,017	JAN 63-DEC 79	20 DEC 79	7912(EM)
*CANCERPROJ	19,904	1976-1979	06 OCT 79	7909(EM)
*CATLINE	194,176	1965-1979	27 DEC 79	
CHEMLINE	425,121		06 OCT 79	
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*HEALTH	131,555	JAN 75-DEC 79	15 NOV 79	7912(EM)
*HISTLINE	39,202		14 DEC 79	7912(EM)
MEDLINE	385,358	JAN 78-JAN 80	08 DEC 79	8001(EM)
MESH VOC	15,080	1980	08 DEC 79	
*NAME AUTH	107,849	1979	20 DEC 79	
*RTECS	36,851	1978	07 SEP 79	
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*SERLINE	33,568	1979	29 OCT 79	
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*TOXLINE	660,256		17 DEC 79	7912(EM)
CBAC	340,497	1974-VOL 30(6-11)		
TOXBIB	129,573	1974-JAN 80		
IPA	35,824	1974-AUG 79		
HEEP	79,093	1974-JAN 80		
PESTAB	17,944	1974-DEC 79		
EMIC	27,701	1960-DEC 79		
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RPROJ	11,777	JAN 79-FEB 80		
*TOXBACK	379,299		26 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) + = THESE BACKFILES CONTAIN CITATIONS HAVING EITHER A PUBLICATION DATE OR ENTRY DATE FOR THE DATES COVERED.
- 3) BACKFILES ARE AVAILABLE ONLY THRU OFFSEARCH AT NLM AND SUNY.
- 4) TOXBACK IS AVAILABLE ONLY THRU OFFSEARCH AT NLM.

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Editor: Yvonne B. Scott

Assistant Editor: Rose Marie Woodsmall

Technical Notes Editor: Carolyn B. Tilley

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MEDLARS Management Section
 National Library of Medicine
 8600 Rockville Pike
 Bethesda, Maryland 20209
 301/496-6193

TECHNICAL NOTES

PLEASE QUERY THE ONLINE 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.

NLM ONLINE SERVICES REFERENCE MANUAL - A complimentary copy of the January 1980 edition of the NLM Online Services Reference Manual will be provided to each domestic user ID code. Please save your old binder as new binders will not be provided. If you desire additional copies of the Manual they may be ordered from NTIS. The price is \$10.50 and the ordering number is PB80-114531.

MESH VOCABULARY FILE (Manual Part 6) - The 1980 online MESH VOCABULARY data base has two misnamed data elements: HN and HI. HN should be PI (Previous Indexing) and HI should be HN (History Note). Please note that HI does not presently print in a standard format; to receive it you must use HI in the print command. These data elements will be corrected as soon as possible.

- The 1980 online MESH VOCABULARY data base also does not contain Backfile postings. They will be added as soon as possible.

OFFSEARCH (Manual Part 5) - In OFFSEARCH, if you list specific data elements rather than using a standard print command for PRINTSPECS?, the data elements specified must exist in and be defined for the first named file. If the data element(s) specified do not exist in that file you will receive the following message:

"-- IS NOT A PRINTABLE ELEMENT TYPE. IMPROPER PRINT SPECIFICATIONS. INPUTS IGNORED."

With the 1980 files, each data base description was corrected to include only those elements for which data exists. For example, AB was formerly defined for MEDLINE and all its Backfiles. Now, AB is defined only for the MEDLINE files in which abstracts can be found (MED75, MED77, MEDLINE, and SDILINE). When searching MEDLINE's Backfiles together and you want abstracts, use the standard print format AR or if specifying elements, e.g., FU INCLUDE AB, make sure that the first named file is one that contains abstracts.

MESH TREE ANNOTATIONS, 1980 - Medical Subject Headings, Tree Annotations, 1980, may now be ordered from NTIS. The price for domestic orders is \$7.25 for hard copy and \$3.00 for microform. The order number is PB80-104706.

NLM TECHNICAL BULLETIN - DEC 79

- MEDLINE's BACKFILES - Reminder: MED77, MED75, MED72, MED69, and MED66 may be used as names for MEDLINE's Backfiles in OFFSEARCHes.
- OFFPRINTS - The reduced size (6½ x 8½ inches) of offprints, from NLM only, was implemented on December 18, 1979. Please remember that a smaller typeface is used so the number of pages generated per search will remain the same. This change involves all offprints including regular offline prints, offsearches, and Automatic SDIs at NLM only.
- UPDATE SCHEDULE CORRECTION - Please change the December 1980 update date for MEDLINE and SDILINE from Dec 8 to Nov 3 on the "Data Base Update Schedule for 1980," Appendix A, Technical Bulletin for November 1979.
- NLM TECHNICAL BULLETIN PAPER SIZE - To comply with the existing Government paper size standard, the size of the paper used for the NLM Technical Bulletin will change in January 1980 from 8 x 10½ inches to 8½ x 11 inches. NLM has decided not to pre-punch holes for 3-ring binders because many recipients bind their copies.
- CLINPROT (Manual Part 18.3.7) - The Abstract field of the CLINPROT data base was reduced to a general description of the protocol in 1979 and limited to the Protocol Entry Criteria and the Protocol Outline. The remaining sections were placed in the Protocol Details Field (PD) which has the detailed description of the protocol. This is explained in the 1980 NLM Online Services Reference Manual.
- ONLINE CITATION FORMAT CHANGES - The rearrangement of the SO (Source) field in MEDLINE, MED77, and HEALTH will also affect the MED75, MED72, MED69 and MED66 Backfiles. However, in these Backfiles the order of the date within the Date of Publication (DP) field will not be changed, only the position of that information within the Source (SO) field will be changed:
- New Source Format:
- SO - Psychol Rep Oct 78;43(2):487-92
- For a complete discussion of the new Source format, see the October 1979 NLM Technical Bulletin article.
- CITATION IDENTIFIER (CI) - The Citation Identifier field was deleted from the MEDLINE, SDILINE, MED77, MED75, MED72, MED69, MED66, and HEALTH PLANNING & ADMINISTRATION files.

ERRATA TO 1980 ANNOTATED ALPHABETIC MESH,
MESH TREE STRUCTURES, AND PERMUTED MESH
Susanne Humphrey, MeSH Section, NLM

1) INTRALIPID

It has come to the attention of MeSH that INTRALIPID, a minor descriptor since 1979, is a proprietary name. We are deleting it from the 1980 computer MeSH file, therefore making it unavailable to indexers, effective 11/26/79. By the time the February 1980 SDILINE is available, the descriptor INTRALIPID will have been replaced by FAT EMULSIONS, INTRAVENOUS in all MEDLINE citations that had been indexed under INTRALIPID prior to 11/26/79. Also starting with the February 1980 SDILINE, INTRALIPID may be used as a search term to retrieve citations indexed under FAT EMULSIONS, INTRAVENOUS. Please make the following corrections in relation to INTRALIPID:

Medical Subject Headings - Annotated Alphabetic List, 1980

p. 363 - Delete the entire entry for INTRALIPID.

p. XLV - Insert the following:

*INTRALIPID (en) FAT EMULSIONS, INTRAVENOUS

Medical Subject Headings - Tree Structures, 1980

p. 242 - Delete the following:

INTRALIPID* D10.516.212.302.450.475

Permuted Medical Subject Headings, 1980

p. 172 - Delete the following:

INTRALIPID
INTRALIPID see under FAT EMULSIONS, INTRAVENOUS

2) ALVEOLOPLASTY

The tree number for ALVEOLOPLASTY was corrected in the 1980 computer MeSH file on 11/9/79. Only those MEDLINE citations indexed under ALVEOLOPLASTY that were input after that date are retrievable using the explosion of E6 (DENTISTRY), E6.892 (SURGERY, ORAL), or E6.892.800 (SURGERY, ORAL, PREPROSTHETIC). This inconsistency in searching ALVEOLOPLASTY will automatically be rectified in 1981. Please make the following corrections in relation to ALVEOLOPLASTY:

Medical Subject Headings - Annotated Alphabetic List, 1980

p. 27 - Change the second tree number of ALVEOLOPLASTY from "E4.892.800.180" to "E6.892.800.180".

Medical Subject Headings - Tree Structures, 1980

p. 337 - Change the truncated tree number of ALVEOLOPLASTY from "E4.892.800." to "E6.892.800."

p. 338 - Delete the following:

ALVEOLOPLASTY	E4.892.800.180	E4.833.800.
---------------	----------------	-------------

p. 347 - Add the following:

ALVEOLOPLASTY	E6.892.800.180	E4.833.800.
---------------	----------------	-------------

3) ERRATA TO THE INTRODUCTION TO MEDICAL SUBJECT HEADINGS - ANNOTATED ALPHABETIC LIST, 1980

Please make the following corrections:

p. XLII - Change the following:

BCG VACCINATION	BCG VACCINES
-----------------	--------------

to:

BCG VACCINATION	BCG VACCINE
-----------------	-------------

p. XLII - Change the following:

*CARBAZOCHROME SALICYLATE (ep)	*CARBAZOCHROME
--------------------------------	----------------

to:

*CARBAZOCHROME SALICYLATE (ep)	**CARBAZOCHROME/analogs & derivatives
--------------------------------	---------------------------------------

p. XLIII - Change the following:

*DIPROTRIZOATE (en)	DIATRIZOATE
---------------------	-------------

to:

*DIPROTRIZOATE	+DIATRIZOATE/analogs & derivatives
----------------	------------------------------------

p. LXIV - Change the following:

*FALEPSIN (en)	PHENOBARBITOL
----------------	---------------

to:

*FALEPSIN	+PHENOBARBITAL/analogs & derivatives
	+PHENYLPROPANOLAMINE/analogs & derivatives
	(both headings will appear on citations previously indexed under FALEPSIN)

p. XLVI - Change the following:

MECHLORETHAMINE OXIDE (ep)	MECHLORETHAMINE
----------------------------	-----------------

to:

MECHLORETHAMINE OXIDE (ep)	+MECHLORETHAMINE/analogs & derivatives
----------------------------	--

p. XLVI - Change the following:

*METHYLDOPAHYDRAZINE (ep)	CARBODOPA
---------------------------	-----------

to:

*METHYLDOPAHYDRAZINE (ep)	CARBIDOPA
---------------------------	-----------

p. XLIX - Change the following:

*SULFORIDAZINE (en)	THIORIDAZINE
---------------------	--------------

to:

*SULFORIDAZINE	+THIORIDAZINE/analogs & derivatives
----------------	-------------------------------------

p. LV - Change the following phrase in the scope note for "psychology":

Used with non-psychiatric disease and technics

to:

Used with non-psychiatric disease, technics, and named groups

p. LVI - Change the scope note for "rehabilitation" to:

Used with diseases and surgical procedures for restoration of function of the individual.

4) ADDENDUM TO PERMUTED MEDICAL SUBJECT HEADINGS, 1980

This list has been reproduced as Appendix A for insertion in your copy of the 1980 Permuted MeSH.

NEW PUBLICATION SERVES WORKERS IN COMMUNICATIVE DISORDERS
Barbara Reiner, Ph.D., NINCDS

A new publication is available that will be of interest to persons who fill requests for MEDLINE searches. The MEDLINE Users Manual and Thesaurus for Specialists in Communicative Disorders was developed to improve accessibility to the MEDLINE data base for a variety of specialties that are concerned with normal and disordered human communication systems. The backgrounds and interests of persons in these specialties range from speech pathology, audiology, language disorders, psychoacoustics, and cognition through developmental neurology of the human sensory-motor system.

The publication is a result of a three-year project conducted by the Communicative Disorders Program, NINCDS, in cooperation with the National Library of Medicine. It is one of several activities undertaken by both organizations as the result of an evaluation of MEDLARS resources conducted by a Task Force of the NINCDS in 1976. During the past three years, additional terms were added to MeSH and Special List C was established to augment the journals reviewed for inclusion in MEDLINE. (See NLM Technical Bulletin, May 1978, Technical Notes.)

The manual is intended for use by scientists and clinicians who have little or no experience in searching online. It will enable such users to describe their information needs to the library professional. The manual presents, in a highly simplified format, the information required by an information specialist in order to fill search requests, the procedures for accessing MEDLINE, and the basic rules for formulating searches.

The thesaurus is a selected list of 2000 terms, both from MeSH and from a list of frequently used terms unique to the communicative disorders field. The thesaurus is intended to instruct the occasional user of MEDLINE on the rationale of terminology used in indexing and searching as well as to suggest search strategies for terms that are rare or too specific to be included in MeSH.

The manual and thesaurus will be publicized at professional meetings throughout the United States during 1980. Personnel at online centers and regional libraries may receive inquiries about the volumes and the availability of MEDLARS services as a result of these public information activities. Further information and copies of the manual and the thesaurus are available at no charge from:

Dr. Barbara Reiner
Dr. Christy Ludlow
Communicative Disorders Program, NINCDS
Room 1C-04, Federal Building
Bethesda, Maryland 20205
(301) 496-5061

STRINGSEARCHING IN CHEMLINE

George F. Hazard, Jr.

Biomedical Information Services Branch, SIS, NLM

After creation of a reasonable subset of answers within a given file, the STRINGSEARCH capability of ELHILL may be used to search alphanumeric data within print unit records in order to regain context lost in the use of uniterms such as text words, name fragments or formula fragments. On the theory that a user should not be required to anticipate the presence of special characters (i.e., a period next to data of interest when the data appear at the end of a sentence), the STRINGSEARCH routines manipulate both the data being input by the user, and the data being read from the file. In STRINGSEARCHING chemical data in CHEMLINE, these program manipulations must be taken into account because of the extensive use of special characters to define the relationship of the chemical phrases unambiguously within the name.

(1) The STRINGSEARCH programs are invoked by the search command "TS" or "STRS", and scan the data which follows this keyword to separate control data such as the name of the field to be searched (e.g. N1) from the string of characters the user wants searched. Having found the string to be searched, the program translates commas, periods, and semicolons to blanks, and any multiple blanks within the string are then "squeezed" to single blanks.

Thus

(A) TS (N1) :PYRIDINE, 3,3'-(OXYBIS(METHYLENE))BIS:
 is translated to
 (B) :PYRIDINE 3 3'-(OXYBIS(METHYLENE))BIS:
 and "squeezed" to
 (C) :PYRIDINE 3 3'-(OXYBIS(METHYLENE))BIS:

(2) In creating a searchable record from the print file, STRINGSEARCH changes certain special characters (essentially all punctuations and enclosures) to blanks, however, these are not "squeezed."

Thus a record that prints as:

(D) N1 - PYRIDINE, 3,3'-(OXYBIS(METHYLENE))BIS- (9CI)
 is translated to
 (E) PYRIDINE 3 3'- OXYBIS METHYLENE BIS- 9CI

for STRINGSEARCH purposes. Note that commas and parentheses have been replaced by one or more blanks within the record, and that primes (') and hyphens (-) have been translated intact.

The typed string (C) will not match the translated data string (E) because of: a) the lack of two blanks after PYRIDINE in the typed data, and (b) the lack of parentheses in the translated file data.

Typing commas and parentheses on input as blanks will not help this since the multiple blanks resulting will also be "squeezed" resulting in the following transformation from

```

(F)  TS (N1) :PYRIDINE 3 3'- OXYBIS METHYLENE BIS:
to this:
(G)          :PYRIDINE 3 3'- OXYBIS METHYLENE BIS:
But the file data is
(E)          PYRIDINE 3 3'- OXYBIS METHYLENE BIS- 9CI
    
```

It is easy to see that the two strings of characters are of unequal length because of the deletion of blanks in the input string and thus will not match.

(3) To avoid this type of mismatch in CHEMLINE, a good rule of thumb is that on input, any enclosure or punctuation other than comma, period and semicolon should be typed as blank or hashmark (#). Also, any series of two or more blanks, or any series of characters (such as comma followed by space) that would translate to two or more blanks (and thus be "squeezed") must be disguised with enough hashmarks to leave no blanks, or one blank at most.

Thus the following would work:

```
TS (N1) :PYRIDINE# 3,3'-#OXYBIS#METHYLENE##BIS:
```

Note that while the comma followed by a space after PYRIDINE must be disguised, the comma in 3,3 will be translated to a single blank in both the file and input data, and need not be disguised with the #. Since the special characters prime (') and hyphen (-) are not translated to blanks in either the data or the input they must be explicitly typed.

Alternatively, special characters can be bypassed completely by the use of the colon (:), although this is less precise.

Thus

```
TS (N1) :PYRIDINE:3:3:OXYBIS:METHYLENE:BIS:
```

will keep the phrases within the name in the proper order, but could allow extraneous information to appear between the phrases.

NOTE:

This special treatment of punctuation is peculiar to STRINGSEARCH and should not be confused with the NBR and search functions. Special characters and punctuation are treated literally in these functions, and need not be disguised with hashmarks unless the standard utility of this symbol (e.g., allowing for singular and plural) is desired.

NEW SERIALS ANNOUNCEMENT - NOVEMBER 1979
 Serial Records, Technical Services Division, NLM

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

ACTA ALIMENTARIA
 5,1976--
 AKADEMIAI KIADO
 CONTINUES ACTA ALIMENTARIA ACADEMIAE
 SCIENTIARUM HUNGARICAE. ISSUED BY THE
 COMMITTEE ON FOOD SCIENCE OF THE HUNGARIAN
 ACADEMY OF SCIENCES.
 BUDAPEST HUNGARY
 W1 AC743K

ADVANCES IN CANCER CHEMOTHERAPY
 1,1979--
 MARCEL DEKKER
 NEW YORK UNITED STATES
 ON ORDER

AMERICAN JOURNAL OF OCCUPATIONAL MEDICINE
 1,1980--
 ALAN R LISS
 NEW YORK UNITED STATES
 ON ORDER

BEHAVIORAL BRAIN RESEARCH
 1,1980--
 ASSOCIATED SCIENTIFIC PUBLISHERS
 AMSTERDAM NETHERLANDS
 ON ORDER

BEHAVIORAL RESEARCH OF SEVERE DEVELOPMENT
 DISABILITIES
 1,1980--
 ASSOCIATED SCIENTIFIC PUBLISHERS
 AMSTERDAM NETHERLANDS
 ON ORDER

BEHAVIORAL AND SOCIAL SCIENCES LIBRARIAN
 1,FALL 1979--
 HAWORTH
 NEW YORK UNITED STATES
 ON ORDER

BIYOKIMYA DERGISI
 1,1976?--
 BIYOKIMYA DERNEGI
 ANKARA? TURKEY
 W1 BI995

BLADDER TUMORS AND OTHER TOPICS IN
 UROLOGICAL ONCOLOGY
 1,1979--
 PLENUM PRESS
 NEW YORK UNITED STATES
 ON ORDER

BRITISH JOURNAL OF PHARMACEUTICAL PRACTICE
 1,1979--
 BRITISH JOURNAL OF PHARMACEUTICAL PRACTICE
 LONDON ENGLAND
 THE BRITISH JOURNAL OF PHARMACEUTICAL
 PRACTICE 359 THE STRAND, LONDON WC2R CHP
 ENGLAND
 IN PROCESS

IM CARDIOVASCULAR AND INTERVENTIONAL RADIOLOGY
 3,1980--
 SPRINGER INTERNATIONAL
 CONTINUES CARDIOVASCULAR RADIOLOGY.
 NEW YORK UNITED STATES
 ON ORDER

CE FOCUS
 IN1,MAY/JUNE 1978--
 NURSECO INC.
 PACIFIC PALISADES UNITED STATES
 CA
 NURSECO INC. 1011 SWARTHMORE AVE. PACIFIC
 PALISADES, CA 90272
 ON ORDER

CHEMISTRY INTERNATIONAL
 N3,1979--
 PERGAMON PRESS
 CONTINUES INFORMATION BULLETIN - IUPAC.
 OXFORD ENGLAND
 IN PROCESS

CIENCIAS MORFOLOGICAS EN AMERICA
 1,1979--
 CONSEJO NACIONAL DE PROFESORES DE CIENCIAS
 MORFOLOGICAS MEXICO
 IN PROCSS

CLINICAL REPRODUCTION AND FERTILITY
 1,MAR 1980--
 BLACKWELL SCIENTIFIC PUBLICATIONS
 OXFORD ENGLAND
 ON ORDER

CLINICS IN CHEST MEDICINE
 1,1980--
 W. B. SAUNDERS
 PHILADELPHIA
 ON ORDER

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CURRENT PRACTICE IN CRITICAL CARE 1979-- MOSBY ST. LOUIS IN PROCESS	UNITED STATES	EUROPEAN JOURNAL OF MASS SPECTROMETRY 1, JULY 1980-- MEDECINE ET HYGIENE ON ORDER	SWITZERLAND
CURRENT PULMONOLOGY 1, 1979-- HOUGHTON MIFFLIN PROFESSIONAL PUBLISHERS, MEDICAL DIVISION BOSTON W1 CUG07M	UNITED STATES	FAMILY PLANNING RESUME 1, 1977-- COMMUNITY AND FAMILY STUDY CENTER CHICAGO COMMUNITY AND FAMILY STUDY CENTER, 1411 EAST 60TH STREET, CHICAGO, IL 60637 ON ORDER	UNITED STATES
DCT BULLETIN MAR 1979-- U.S. NATIONAL CANCER INSTITUTE, DIVISION OF CANCER TREATMENT SUPERSEDES DCT NEWSLETTER BETHESDA MD NATIONAL CANCER INSTITUTE, DIVISION OF CANCER TREATMENT, BETHESDA, MARYLAND 20205 W1 D109F	UNITED STATES	FORUM MIKROBIOLOGIE 1, NOV 1978-- GIT VERLAG GIEBELER DARMSTADT W1 F0956	GERMANY, WEST
DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS 1, WINTER 1979-- WILLIAMS AND WILKINS BALTIMORE ON ORDER	UNITED STATES	GIORNALE ITALIANO DI MEDICINA DEL LAVORO 1, JULY 1979-- ISTITUTO DI MEDICINA DEL LAVORO PAVIA ISTITUTO DE MEDICINA DEL LAVORO, VIA SEVERINO BOEZIO 24-27100 PAVIA, TEL. (0382) 37301 IN PROCESS	ITALY
DEVELOPMENTAL PHARMACOLOGY AND THERAPEUTICS 1, FALL 1979-- KARGER BASEL ON ORDER	SWITZERLAND	HUMAN GENETICS 1, 1978?-- U.S. DHEW. HEALTH SERVICES ADMINISTRATION. BUREAU OF COMMUNITY HEALTH SERVICES ROCKVILLE MD THOMAS B. SEXTON, ED. D., MPH, PROJECT DIRECTOR, NATIONAL CLEARINGHOUSE FOR HUMAN GENETIC DISEASES, 1776 EAST JEFFERSON STREET, ROCKVILLE, MARYLAND 20852 TELEPHONE: 301/279-4642/43 IN PROCESS	UNITED STATES
DEVIANT BEHAVIOR 1, 1980-- ELSEVIER AMSTERDAM ON ORDER	NETHERLANDS	HUMAN IMMUNOLOGY 1, 1980-- ELSEVIER NORTH-HOLLAND NEW YORK ON ORDER	UNITED STATES
DIAGNOSTIC ET TRAITEMENT 1, AUG/SEP 1979-- MENSUELLE RESERVEE AU CORPS MEDICAL PARIS IN PROCESS	FRANCE	INTERNATIONAL ENDODONTIC JOURNAL 13, JAN 1980-- BLACKWELL SCIENTIFIC PUBLICATIONS OXFORD ON ORDER	ENGLAND
DIRECTORY OF CERTIFIED PSYCHIATRISTS AND NEUROLOGISTS 1ST, 1979-- MARQUIS ACADEMIC MEDIA PRINTED UNDER THE AUTHORITY OF THE AMERICAN BOARD OF MEDICAL SPECIALTIES. EXCERPTED FROM DIRECTORY OF MEDICAL SPECIALISTS. CONSISTS OF A DIRECTORY OF PHYSICIANS CERTIFIED BY THE AMERICAN BOARD OF PSYCHIATRY AND NEUROLOGY. CHICAGO WM 22 AA1 D28	UNITED STATES	INTERNATIONAL MEDICINE 1, JULY 1979-- FRANKLIN SCIENTIFIC PUBLICATIONS LONDON 516 WANDSWORTH RD., LONDON, SW8 3JX, ENGLAND IN PROCESS	ENGLAND
EKG-LABOR 1, FEB 1979-- FISCHER STUTTGART W1 E22L	GERMANY, WEST	INTERNATIONAL REHABILITATION MEDICINE 1, 1978-- EULAR PUBLISHERS OFFICIAL JOURNAL OF THE INTERNATIONAL REHABILITATION MEDICINE ASSOCIATION. BASEL EULAR PUBLISHERS P.O. BOX 146 CH-4011 BASEL, SWITZERLAND TEL.: (061) 396644 W1 IN828C	SWITZERLAND
ENVIRONMENTAL POLLUTION SERIES A: BIOLOGICAL AND ECOLOGICAL 21, 1980-- APPLIED SCIENCE PUBLISHERS LTD. ESSEX ON ORDER	ENGLAND		

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ISTOCITOPATOLOGIA 1,1979-- EDI. ERNIES MILANO VIA TIMAVO 12, MILANO, ITALIA IN PROCESS	ITALY	PHYSICAL AND OCCUPATIONAL THERAPY IN GERIATRICS 1, SPRING 1980-- HAWORTH PRESS INC. NEW YORK ON ORDER	UNITED STATES
JOURNAL OF CLINICAL AND EXPERIMENTAL GERONTOLOGY 1,1979-- MARCEL DEKKER NEW YORK ON CRDER	UNITED STATES	PHYSICAL AND OCCUPATIONAL THERAPY IN PEDIATRICS 1, SPRING 1980-- HAWORTH PRESS INC. NEW YORK ON ORDER	UNITED STATES
JOURNAL OF CLINICAL AND HOSPITAL PHARMACY 5, MAR 1980-- BLACKWELL SCIENTIFIC PUBLICATIONS OXFORD ON ORDER	ENGLAND	PLASMA THERAPY 1, MAR 1979-- HAEMONETICS CORP. BRAINTREE MA ON ORDER	UNITED STATES
JOURNAL OF HISTOTECHNOLOGY 1, SEPT 1977-- MAYO PUBLICATIONS DOWNERS GROVE IL 1007 BURLINGTON AVE., P.O. BOX 247, DOWNERS GROVE, IL 60515 ON ORDER	UNITED STATES	PROSTAGLANDINS - BIOLOGY 1,1979-- UNIVERSITY OF SHEFFIELD BIOMEDICAL INFORMATION SERVICE SHEFFIELD UNIVERSITY OF SHEFFIELD BIOMEDICAL INFORMATION SERVICE, SHEFFIELD, S102TN, ENGLAND ON ORDER	ENGLAND
JOURNAL OF INFORMATION SCIENCE 1,1979-- ELSEVIER NORTH-HOLLAND SUPERSEDES INFORMATION SCIENTIST. AMSTERDAM STAFF	NETHERLANDS	PSYCSCAN 1980-- AMERICAN PSYCHOLOGICAL ASSOCIATION WASHINGTON ON ORDER	UNITED STATES
LASERS IN SURGERY AND MEDICINE 1,1980-- ALAN R. LISS, INC. NEW YORK ON ORDER	UNITED STATES	RECHT UND MEDIZIN 1,1979-- LANG FRANKFURT AM MAIN W1 RE1093	GERMANY, WEST
MOLECULAR AND BIOCHEMICAL PARASITOLOGY 1,1980-- ASSOCIATED SCIENTIFIC PUBLISHERS AMSTERDAM ON ORDER	NETHERLAND	REVISTA CHILENA DE PSICOANALISIS 1,1979-- ASOCIACION PSICOANALITICA CHILENA SANTIAGO CASILLA 130, LAS CONDES, SANTIAGO, CHILE ON ORDER	CHILE
NATURAL SCIENCES 1, APR 1979-- WORLD SCIENCE PUBLISHERS KARACHI IN PROCESS	PAKISTAN	REVISTA DE LA SOCIEDAD DE GINECOLOGIA Y OBSTETRICIA 1,1978-- UNIVERSIDAD MAYOR DE SAN ANDRES. CENTRO NACIONAL DE DOCUMENTACION CIENTIFICA Y TECNOLOGICA LA PAZ CENTRO NACIONAL DE DOCUMENTACION, CIENTIFICA Y TECNOLOGICA, CASILLA DE COPREO 3283, TEL. 356331, FACULTAD DE TECNOLOGIA, PLAZA DEL OBELISCO, LA PAZ-BOLIVIA ON ORDER	BOLIVIA
NURSING FOCUS 1, SEPTEMBER 1979-- THE NEWBOURNE GROUP LONDON THE NEWBOURNE GROUP 91 STOKES NEWINGTON CHURCH STREET LONDON, N160AU IN PROCESS	ENGLAND	SCIENCE AND GOVERNMENT REPORT INTERNATIONAL ALMANAC 1978/1979-- SCIENCE AND GOVERNMENT REPORT. INC WASHINGTON W1 SC668R	UNITED STATES
OCCUPATIONAL THERAPY IN MENTAL HEALTH 1, SPRING 1980-- HAWORTH PRESS INC. NEW YORK ON ORDER	UNITED STATES		

NLM TECHNICAL BULLETIN - DEC 79

TEROTECHNICA
1,1979--
ELSEVIER NORTH-HOLLAND
AMSTERDAM
ON ORDER

NETHERLANDS

TODAYS OR NURSE
1,MAR 1979--
SLACK
THOROFARE NJ
WI TO172I

UNITED STATES

YEARBOOK OF SPORTS MEDICINE
1979--
YEAR BOOK MEDICAL PUBLISHERS
CHICAGO
ON ORDER

UNITED STATES

LIST OF MONOGRAPHS INDEXED

JANUARY 1980

W

Workshop on the Testis, 5th, Geilo, Norway, 1978.

Endocrine approach to male contraception : transactions
of the fifth Annual Workshop on the Testis, held at Geilo,
Norway on April 2-5, 1978 / editors, Vidar Hansson
... [et al.]. — Copenhagen : Scriptor, 1978. 764 p. : ill.
'Also published as supplementum no. 2 of International
journal of andrology; part 1 published June 1978.'

1. Contraception - methods - congresses 2.
Contraceptive Agents, Male - congresses 3.
Gonadotropins - physiology - congresses 4.
Testosterone - physiology - congresses I. Hansson,
Vidar, ed. II. Title III. Title: International journal
of andrology

ISBN 87-87473-22-4

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0XNLM: [WJ 710 W926 1978e]

Cit. No. 7909978

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A

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C

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D

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1 Arteriosclerosis - congresses 2 Disease Models,

Animal - congresses I Hauss, Werner Heinrich 1907- ed II Lehmann, Rolf, ed III Wissler Robert William, 1917- ed IV Institut für Arterioskleroseforschung V Rheinisch Westfälische Akademie der Wissenschaften VI Title prevention and therapy in human arteriosclerosis animal models VII Series
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O

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S

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1 Neoplasms - drug therapy - congresses 2 Neoplasms - radiotherapy - congresses 3 Radiation Effects - congresses 4 Radiation Injuries - congresses
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Structure and function of the gonadotropins / edited by Kenneth W McKerns — New York Plenum Press, c1978 xviii, 628 p ill — (Biochemical endocrinology) Revised contributions and edited discussions from a meeting held in Maine, 1977, as part of a continuing series sponsored by the International Society for Biochemical Endocrinology Includes bibliographies
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