



LIBRARY NETWORK / MEDLARS TECHNICAL BULLETIN

of the

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

TECHNICAL NOTES

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

Whenever applicable, the heading of each Technical Note will include a reference to the section/page of the NLM *On-Line Services Reference Manual* which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with January 77 citations on December 20th. The sizes, *Index Medicus* date ranges and entry dates are given below:

MEDLINE (Jan 75 - Jan 77)	571,622
(Entry dates 741205 to 761203)	
SDILINE (January 77)	21,626
(Entry dates 761121 to 761203)	

SDILINE & MEDLINE UPDATES, 1977 (Manual VI-1)

The following is the projected schedule of SDILINE and MEDLINE updates for January 1977 through January 1978. All dates fall on Monday.

<u>Index Medicus Month</u>	<u>Date SDILINE & MEDLINE Available</u>
January 1977	December 20, 1976
February 1977	January 10, 1977
March 1977	February 7, 1977
April 1977	March 7, 1977
May 1977	April 11, 1977
June 1977	May 9, 1977
July 1977	June 6, 1977
August 1977	July 11, 1977
September 1977	August 8, 1977
October 1977	September 12, 1977
November 1977	October 10, 1977
December 1977	November 7, 1977
January 1978	December 12, 1977

AUTOMATIC SDI SCHEDULE, 1977 (Manual XVI-11)

Searches stored on the NLM computer to be run as Automatic SDI's will be processed and mailed as soon as practicable after each month's update has occurred, usually on the Monday or Tuesday of the week of the update.

PLACE OF PUBLICATION (PL), COUNTRIES ONLY
(Manual V-5)

Cities and states are not searchable as a place of publication in MEDLINE. In the MEDLINE files, the place of publication (PL) field contains only the country in which the journal title is published. These countries of publication are the same as the geographic main headings listed in the *Alphabetic MeSH* and in the "Z" category of the *MeSH Tree Structures*.

NTIS FOREIGN DISTRIBUTION POLICY (Manual IV-11)

The National Technical Information Service, which distributes MEDLARS tools and other technical reports, has announced a new policy affecting orders from the United Kingdom, France, Belgium, Switzerland, and Japan. Orders originating in these countries must now be sent to the managing dealers listed below, rather than to NTIS. Prices may differ somewhat from those quoted for U.S. purchasers.

United Kingdom:
Microinfo Ltd.
The Post House
High Street
Alton, Hampshire
England, GU341EF

France, Belgium, and Switzerland:
Center for Business Information
7 Rue Buffon
75005 Paris
France

Japan:
Mitsubishi Research Institute, Inc.
1-8-1 Yuraku-cho
Chiyoda-ku
Tokyo 100, Japan

CANCERPROJ, FREE USE - JANUARY 77 (Manual XVIII)

To encourage users of CANCERPROJ to become more familiar with the file, the National Cancer Institute absorbed connect time charges for all users of CANCERPROJ during December 1976. This has been extended through January 31, 1977. Users accessing CANCERPROJ during January will pay for pages generated off-line.

TYMSHARE NUMBERS (Manual II-9)

The following Tymshare Numbers should no longer be used to access the National Library of Medicine's on-line services.

Albany, New York	518/463-7452
Harrisburg, Pennsylvania	717/233-1647
Harrisburg, Pennsylvania	717/233-1648

HEAD INJURIES REVISITED

Thelma Charen, Index Section, NLM

Almost six years have passed since the last discussion on head injuries published in this bulletin, May 1971, pp. 9-12. With almost the same number of generations of new MEDLINE searchers, it might be easier to repeat most of the admonitions in that article than to refer to the original article. By this article I am reinforcing indexing policy for earlier MEDLINE searchers and outlining it for the new who do not have access to the old bulletins.

We cannot discuss HEAD INJURIES, however, unless we first discuss HEAD. Part of the difficulty in indexing and searching lies in the mixed definitions of "head" - the definitions implied by MeSH in its formal arrays and the dictionary definitions - vis-à-vis mixed uses by authors using both common parlance and anatomical preciseness.

1. Does "head" include hard and soft tissues? Does it include "scalp"? Does it include "skull"? Does it include "brain"?

When an indexer sees "head" in a title, he looks to see exactly what the text of the author says or means and indexes accordingly. Compare the MeSH arrays below:

A1...

HEAD
 EAR
 FACE
 CHEEK
 CHIN
 EYE
 EYEBROWS
 EYELIDS
 EYELASHES
 FOREHEAD
 MOUTH
 LIP
 NOSE
 SCALP

A2...

FACIAL BONES
 JAW
 ALVEOLAR PROCESS
 DENTAL ARCH
 MANDIBLE
 MANDIBULAR CONDYLE
 MAXILLA
 PALATE
 NOSE
 NASAL BONE
 TURBINATES
 ORBIT
 ZYGOMA

A2...

SKULL
 CRANIAL FOSSA, POSTERIOR
 ETHMOID BONE
 CRIBRIFORM PLATE
 FRONTAL BONE
 OCCIPITAL BONE
 FORAMEN MAGNUM
 PARIETAL BONE
 SPHENOID BONE
 SELLA TURCICA
 TEMPORAL BONE
 MASTOID
 PETROUS BONE

2. Similarly, what then does "head injuries" mean? Again, when an indexer sees "head injuries" in a title, he looks to see exactly what the text of the author says or means and indexes accordingly with the following provisos in mind:
- HEAD INJURIES is a very general term and is indexed as such when no specific part of the head is discussed.
 - HEAD INJURIES, being general, is not a substitute for specific parts of the head, as shown in paragraph 1 above, paired with the subheading /injuries.
 - If "head injury" does not specify the site, HEAD INJURIES is the correct indexing term.
- If the site is given, the indexer indexes under the site with the subheading /injuries, as ORBIT/injuries, FRONTAL BONE /injuries, AND DOES NOT ALSO INDEX UNDER HEAD INJURIES.
3. Because of the common occurrence of HEAD INJURIES and all types of head injury, MeSH has supplied us with many precoordinated head-injury concepts. Here they are from C21 (the groupings show possible explosions):

HEAD INJURIES
 BRAIN INJURIES, ACUTE
 CEREBROSPINAL OTORRHEA
 CEREBROSPINAL RHINORRHEA
 PNEUMOCEPHALUS
 SKULL FRACTURES

BRAIN INJURIES, ACUTE
 BRAIN CONCUSSION
 EPILEPSY, TRAUMATIC
 PSYCHOSES, TRAUMATIC

MAXILLOFACIAL INJURIES
 FACIAL INJURIES
 MAXILLARY FRACTURES
 ZYGOMATIC FRACTURES
 MANDIBULAR INJURIES
 JAW FRACTURES
 MANDIBULAR FRACTURES
 MAXILLARY FRACTURES

ZYGOMATIC FRACTURES

- a. Fractures not pre-coordinated by MeSH (like SKULL FRACTURES, MANDIBULAR FRACTURES) are indexed thus: under the organ with the subheading /injuries + FRACTURES (ORBIT/injuries + FRACTURES for orbital fractures) or the organ with the subheading /injuries + a specific pre-coordinated fracture term (TEMPORAL BONE/injuries + SKULL FRACTURES for temporal bone fractures) or a pre-coordinated injury term with a fracture term (MAXILLOFACIAL INJURIES + FRACTURES for maxillofacial fractures).

4. SKULL/injuries is a correct coordination provided articles on "skull injury" refer to the bony part of the skull and provided "skull injury" is not a careless expression for "head injury" or "brain injury."

While SKULL/injuries is permitted, the indexer tends to look carefully at the text of an article to see whether a more specific bone of the skull is not the point instead.

5. BRAIN INJURIES, ACUTE is often referred to as "craniocerebral injury", especially in foreign literature. The indexer examines the text to see whether the author means "head injuries" or "brain injuries" or a specific aspect of either.

If "craniocerebral injuries" is not otherwise clarified, the articles should be indexed only as BRAIN INJURIES, ACUTE, since most articles on "craniocerebral" injury emphasize the cerebral aspects of the blow rather than the cranial or skull or bony aspects.

The searcher, however, should remember that specific parts of the brain are also indexed with the subheading /injuries when the emphasis is on the site, as "frontal lobe injury" - this is indexed as FRONTAL LOBE/injuries. In such cases the article should not be indexed also under BRAIN INJURIES, ACUTE. Avoiding this term as a coordinate with a specific part of the brain follows the same principle as avoiding HEAD INJURIES as a coordinate with a specific part of the head as noted in paragraph 2c above.

JUDICIOUS USE OF STRINGSEARCH IN ON-LINE AND OFF-LINE SEARCHING

David L. Kenton, Staff Assistant, OCCS

In August 1973, an article entitled "MEDLINE Search Optimization for Efficient Processing" appeared in the *Library Network/Medlars Technical Bulletin* (pp 8-17). Although this article was published before the present ELHILL 3 program was installed and mainly addressed the searching algorithms of ELHILL 2, many of its guidelines remain remarkably current to our present system. We recommend its review by users of the MEDLINE service.

In order to write a sequel to the article, it would be necessary to address all the changes introduced with ELHILL 3 which would dilute the main purpose of this article; therefore this presentation will deal exclusively with one subject. Subsequent articles will cover additional aspects of offsearching.

STRINGSEARCHING (TS, STRS) uses more machine resources than any other function in ELHILL 3. Why? When a user executes this function, the machine is forced to examine each citation individually and interrogate it looking for the requested character string(s). It requires about the same time for the machine to TS one citation as to print it. Hence, the STRINGSEARCHING or printing of large number of citations

should be avoided. Sometimes it cannot be avoided, but then one must try to "reduce" the number of citations to be TS'ed. This article will present some ways to limit the number of citations when searching and some suggestions as to when and how to use STRINGSEARCH.

ON-LINE USE

The NLM recommends that the user pull ENG- (LA), HUMAN (MH) and other highly-posted terms from a subsearch of 200 or less citations in the MEDLINE (not SDILINE) database by doing a STRINGSEARCH as follows:

```

PROG:
SS 1/C?
USER:
DOPA AND DOPAMINE AND METHYLDOPA
PROG:
SS (1) PSTG (11)
SS 2/C?
USER:
TS : HUMAN : (MH) AND :ENG: (LA)
PROG:
SS (2) PSTG (3)
      (note: no time overflows)
  
```

SDILINE should be directly searched for ENG (LA), HUMAN(MH), etc. since it is a comparatively small file.

This use of STRINGSEARCH on-line is time-saving both for the user and the system. If more than 200 citations are to be subset in MEDLINE, TS should not be used since direct searching is more economical. In the above example, SS 2 would become:

USER:

1 AND HUMAN (MH) AND ENG (LA)

(note: this will result in time overflows but will still be faster than STRINGSEARCHing)

If a user actually has a need to TS, looking for particular words or phrases in the title or abstract, after a concept has been searched, then the use of a text word (TW) search before TS will reduce the number of citations considerably. For example, a user constructed a concept in six search statements using MeSH as the selection vehicle. At that point, the user wished to refine the search by requiring that the title field of the last subset contain the words "failure" and "thrive". The search was injudiciously completed as follows:

PROG:

SS (6) PSTG (17491)

SS 7/C?

USER:

TS : FAILURE: (TI) AND : THRIVE: (TI)

This retrieved an answer but took an inordinate amount of time to perform. (The average search takes 10 seconds; this search took 20 minutes.) The same answer would have been achieved by the following example but would have taken only 1% as much of the computer resources:

USER:

6 AND ALL FAILURE: (TW) AND ALL THRIVE: (TW)

PROG:

SS (7) PSTG (150)

SS 8/C?

USER:

TS : FAILURE: (TI) AND : THRIVE: (TI)

SS 7 would contain "failure" and "thrive" in the abstract or title fields; SS 8 restricted it to the title. Note that in the first example 17,491 citations were TS'ed - in the second example only 150 citations. Both got the same answer but the second is much less expensive in computer time.

We do recognize that there are some cases where text word searching cannot be used to further subset a concept before using TS, but every effort should be made to TS the fewest number of citations possible. This basic rule always applies to both on-line and off-line use.

OFFSEARCH

Never STRINGSEARCH a concept to limit the result to the highly posted terms (HUMAN, ENG, ENGLISH ABSTRACT, etc.). Why? When using the PSTG option for on-line outputs when OFFSEARCHing MEDLINE and/or backfiles, the NLM recommends that the user be connected to the SDILINE data-

base whenever possible. This creates much less work for the system and fewer time overflows for the user, yet still allows "browsing". Thus, the user has no way to know whether the retrieval is below or above the 200 citation limit. Secondly, even if the user were connected to MEDLINE, one could not anticipate counts in the backfiles. Thirdly, the user might be in NPS mode and not have any idea of posting counts. For these reasons we request that you never TS in OFFSEARCH to restrict your search to highly posted terms. Instead, use the highly-posted terms directly.

The recommendations stated actually lead to a contradiction, namely: what do I do if I am in an OFFSEARCH and specify on-line outputs of PSTG? The user will be searching on-line and causing an OFFSEARCH to be run off-line. In this case, the search should follow the OFFSEARCH rule and TS should not be used to restrict searches to highly posted terms.

AVOIDANCE OF STRINGSEARCH

Recently, a particular search came to my attention. A user with an intermediate search result of 23,000 citations wished to find the prefix "nephr" in either the title or the abstract field, intending to find words such as nephritis, nephrogenic, nephrosis, nephron, etc. The user had done the following:

PROG:

SS (1) PSTG (23000)

SS 2/C?

USER:

TS : NEPHR: (TI) OR : NEPHR: (AB)

This is a very expensive search (roughly the equivalent of printing 23,000 citations) which can and must be avoided. Since individual words in the title and abstract are directly searchable as text words (TW), the user should have input the following SS in the previous example:

PROG:

SS (1) PSTG (23000)

SS 2/C?

USER:

1 AND ALL NEPHR: (TW)

The first search would run several hundred times longer than this one but both retrieve the same citations. Therefore, we hope you will utilize the second example whenever possible.

USE OF STRINGSEARCH

There are cases where TS cannot be avoided. A user may wish to restrict an existing search to a stem (root) which may occur as a prefix or an imbedded concept. An example of this is "fluor" which may occur as a prefix in fluoride, fluorine, fluoridation, etc. and may occur as an imbedded stem in words starting with monofluor, difluor, polyfluor, etc. If "fluor" were being searched as an imbedded concept, then TS would have to be used. It is hoped that the user will have retrieved a small enough subset of citations such that the STRINGSEARCH will not prove to be too expensive.

RECAP OF NLM RECOMMENDATIONS

1. Use TS on-line to restrict a search to highly posted terms, when the subset is smaller than 200 citations (in the MEDLINE database). Then use all the terms at once such as:

TS HUMAN (MH) AND ENG (LA) AND-CHILD: (MH)
(note: CHILD: (MH) will retrieve CHILD or CHILD,PRESCHOOL)

2. Do not use TS in the above example when in OFFSEARCH mode or when connected to SDILINE (regardless of the citation count).

3. When searching a prefix, use text words and text word truncations (# or :).

(Note: rules 1-3 apply to MEDLINE and the back-files; rule 3 applies to all databases, including TOXLINE.)

It is imperative that users make every effort to adhere to these searching technics to avoid system degradation and delays in the delivery of OFFSEARCHes and OFF-LINE prints. NLM is investigating the imposition of an automatic limit on the duration of individual OFFSEARCHes.

RESPIRATION: A HEDGE

Mary Hantzes, Index Section, BSD

In MEDLARS, RESPIRATION is a synonym for breathing and is used with reference to the lungs and the rest of the respiratory tract. It is not to be construed as "tissue respiration", a metabolic concept covered in MEDLARS by OXYGEN CONSUMPTION or other more specific aspects of tissue metabolism.

The hedge below is the MeSH coverage of terms known and of potential significance in the field of respiration. As with all hedges, the indexer and searcher will pick and choose among them, for they have varying degrees of pertinence.

Complete trees will not be reproduced here: it will be necessary for the user of the hedge to resort to *Medical Subject Headings, Tree Structures* for entire trees. We have included, however, branches of trees, i.e., discrete portions of trees for easy reference with this hedge in hand.

- A2 - DIAPHRAGM
INTERCOSTAL MUSCLES
RIBS
THORAX (exploded)
- A4 - RESPIRATORY SYSTEM: see MeSH (RESPIRATORY SYSTEM is a synonym for "respiratory tract")
- A7 - Blood vessels to and from the lungs:
PULMONARY ARTERY
PULMONARY VEINS
- A8 - Organs involved in the neurological control of respiration:
CAROTID BODY
MEDULLA OBLONGATA
PHRENIC NERVE
PULMONARY STRETCH RECEPTORS
RETICULAR FORMATION
RESPIRATORY CENTER
THORACIC NERVES
INTERCOSTAL NERVES
VAGUS NERVE
LARYNGEAL NERVES
RECURRENT LARYNGEAL NERVE

- A12 - Body secretion and fluids related to respiration:
MUCUS (when coordinated with a respiration term (A4))
PLEURAL EFFUSION
SPUTUM
- A13 - Organs in animals only:
AIR BLADDER (fish)
AIR SACS (birds)
GILLS (fish, fish-like vertebrates and amphibians)
- C1 - Respiratory infections in this tree not also in the respiratory disease tree (C8):
PLEUROPNEUMONIA, CONTAGIOUS
TUBERCULOSIS IN CHILDHOOD (if primary complex)
WHOOPIING COUGH
- C4 - Respiratory tract neoplasms:
PLEURAL NEOPLASMS
RESPIRATORY TRACT NEOPLASMS
BRONCHIAL NEOPLASMS
LUNG NEOPLASMS
CARCINOMA, BRONCHIOLAR
CARCINOMA, BRONCHOGENIC
COIN LESION, PULMONARY
PANCOAST'S SYNDROME
TRACHEAL NEOPLASMS
NASAL POLYPS
- C8 - RESPIRATORY TRACT DISEASES: see MeSH
- C9 - Nasal, laryngeal and related diseases:
LARYNGEAL DISEASES
LARYNGEAL EDEMA
LARYNGEAL NEOPLASMS
LARYNGEAL PERICHONDRITIS
LARYNGISMUS
LARYNGITIS
CROUP
LARYNGOSTENOSIS
TUBERCULOSIS, LARYNGEAL
VOCAL CORD PARALYSIS

- NASOPHARYNGEAL DISEASES
 NASOPHARYNGEAL NEOPLASMS
 NOSE DISEASES
 CEREBROSPINAL RHINORRHEA
 EPISTAXIS
 GRANULOMA, LETHAL MIDLINE
 HAY FEVER
 NASAL POLYPS
 NOSE DEFORMITIES
 NOSE NEOPLASMS
 RHINITIS
 RHINITIS, ATROPHIC
 RHINOSCLEROMA
 PARANASAL SINUS DISEASES
 PARANASAL SINUS NEOPLASMS
 SINUSITIS
 KARTAGENER TRIAD
 PHARYNGEAL DISEASES
 ABSCESS, PERITONSILLAR
 PHARYNGEAL NEOPLASMS
 TONSILLAR NEOPLASMS
 PHARYNGITIS
 NASOPHARYNGITIS
 SORE THROAT
 TONSILLITIS
- C14 - Vascular diseases affecting respiration:
 HYPERTENSION, PULMONARY
 PULMONARY EMBOLISM
- C16 - Respiratory tract abnormalities:
 ASPHYXIA NEONATORUM
 BRONCHOPULMONARY SEQUESTRATION
 FUNNEL CHEST
 RESPIRATORY DISTRESS SYNDROME
 HYALINE MEMBRANE DISEASE
- C20 - Respiratory allergies:
 RESPIRATORY HYPERSENSITIVITY
 ASTHMA
 ALVEOLITIS, EXTRINSIC ALLERGIC
 BIRD FANCIER'S LUNG
 FARMER'S LUNG
 HAY FEVER
- C21 - Occupational diseases, poisoning and injuries affecting respiration:
 AGRICULTURAL WORKERS' DISEASES
 FARMER'S LUNG
 SILO FILLER'S DISEASE
 BIRD FANCIER'S LUNG
 DECOMPRESSION SICKNESS
 INERT GAS NARCOSIS
 PNEUMOCONIOSIS
 ASBESTOSIS
 BAGASSOSIS
 BYSSINOSIS
 CAPLAN'S SYNDROME
 SILICOSIS
 ANTHRACOSILICOSIS
 SILICOTUBERCULOSIS
 GAS POISONING
 CARBON MONOXIDE POISONING
 ILLUMINATING GAS POISONING
 INERT GAS NARCOSIS
 ASPHYXIA
 BURNS, INHALATION
 DROWNING
- C22 - Respiratory diseases of animals:
 INFECTIOUS BOVINE RHINOTRACHEITIS
 MALIGNANT CATARRH
 PNEUMONIA, ATYPICAL INTERSTITIAL, OF CATTLE
 PNEUMONIA, PROGRESSIVE INTERSTITIAL, OF SHEEP
 PULMONARY ADENOMATOSIS, OVINE
 TUBERCULOSIS, AVIAN
 TUBERCULOSIS, BOVINE
- C23 - Respiratory signs and symptoms:
 ANOXIA
 ALTITUDE SICKNESS
 ANOXEMIA
 APNEA
 CHEYNE-STOKES RESPIRATION
 COUGH
 DYSPNEA
 DYSPNEA, PAROXYSMAL
 HOARSENESS
 HYPERCAPNIA
 HYPERVENTILATION
 HYPOVENTILATION
 MOUTH BREATHING
- D16 - BRONCHODILATOR AGENTS (exploded)
- D23 - ANTITUSSIVE AGENTS (exploded)
- D24 - ALLERGENS
 POLLEN
 PULMONARY SURFACTANT
 TUBERCULOSIS VACCINES
 BCG VACCINE
- E1 - Respiratory diagnostic methods:
 BRONCHOGRAPHY
 BRONCHOSCOPY
 MASS CHEST X-RAY
 RESPIRATORY FUNCTION TESTS
 AIRWAY RESISTANCE
 BLOOD GAS ANALYSIS
 OXIMETRY
 LUNG COMPLIANCE
 LUNG VOLUME MEASUREMENTS
 EXPIRATORY RESERVE VOLUME
 FUNCTIONAL RESIDUAL CAPACITY
 INSPIRATORY CAPACITY
 INSPIRATORY RESERVE VOLUME
 RESIDUAL VOLUME
 TIDAL VOLUME
 TOTAL LUNG CAPACITY
 VITAL CAPACITY
 PLETHYSMOGRAPHY, WHOLE BODY
 PULMONARY DIFFUSING CAPACITY
 RESPIRATORY AIRFLOW
 FORCED EXPIRATORY FLOW RATES
 MAXIMAL EXPIRATORY FLOW RATE
 MAXIMAL EXPIRATORY FLOW-VOLUME CURVES
 MAXIMAL MIDEXPIRATORY FLOW RATE
 PEAK EXPIRATORY FLOW RATE
 FORCED EXPIRATORY VOLUME
 MAXIMAL VOLUNTARY VENTILATION
 RESPIRATORY DEAD SPACE
 SPIROMETRY
 BRONCHOSPIROMETRY
 VALSALVA'S MANEUVER
 VENTILATION-PERFUSION RATIO
 WORK OF BREATHING

- AUSCULTATION
- PALPATION
- PERCUSSION
- LARYNGOSCOPY
- THORACOSCOPY
- THORACIC RADIOGRAPHY (exploded)
- E2 - Respiratory therapy technics:
 - BREATHING EXERCISES
 - INHALATION THERAPY
 - OXYGEN INHALATION THERAPY
 - HYPERBARIC OXYGENATION
 - POSITIVE-PRESSURE RESPIRATION
 - INTERMITTENT POSITIVE-PRESSURE BREATHING
 - RESPIRATION, ARTIFICIAL
 - RESUSCITATION
- E3 - ANESTHESIA, INHALATION
- ANESTHESIA, INTRATRACHEAL
- E4 - Surgery of the respiratory tract:
 - SURGERY, LUNG (NON MESH)
 - COLLAPSE THERAPY
 - PNEUMOTHORAX, ARTIFICIAL
 - PNEUMONECTOMY
 - PNEUMONOLYSIS
 - THORACOPLASTY
 - THYMECTOMY
 - TRACHEOTOMY
 - ADENOIDECTOMY
 - LARYNGECTOMY
 - PHARYNGECTOMY
 - RADICAL NECK DISSECTION
 - RHINOPLASTY
 - SURGERY, EAR (NON MESH)
 - FENESTRATION
 - MYRINGOPLASTY
 - STAPES SURGERY
 - STAPES MOBILIZATION
 - TYMPANOPLASTY
 - TONSILLECTOMY
 - TRACHEOTOMY
- E5 - ADMINISTRATION, INTRANASAL
- INTUBATION, INTRATRACHEAL
- E7 - ATMOSPHERE EXPOSURE CHAMBERS
- FLOWMETERS
- INCUBATORS
- INCUBATORS, INFANT
- OXYGENATORS
- OXYGENATORS, MEMBRANE
- RESPIRATORY PROTECTIVE DEVICES
- MASKS
- RESPIRATORS
- G2 - Specialties related to respiration
 - ANESTHESIOLOGY
 - OTORHINOLARYNGOLOGY

The following terms are useful but have a less direct connection with respiration:

- D5 - AIR POLLUTANTS
 - AIR POLLUTANTS, ENVIRONMENTAL
 - AUTOMOBILE EXHAUST
 - NITROGEN OXIDES
 - OXIDANTS, PHOTOCHEMICAL
 - SULFUR OXIDES
 - AIR POLLUTANTS, OCCUPATIONAL
 - AIR POLLUTANTS, RADIOACTIVE
- G3 - Environmental aspects relating to respiration:
 - ENVIRONMENT
 - ALTITUDE
 - ENVIRONMENT, CONTROLLED
 - AIR CONDITIONING
 - DIVING
 - EXTRATERRESTRIAL ENVIRONMENT
 - LIFE SUPPORT SYSTEMS
 - SEALED CABIN ECOLOGY
 - HEATING
 - VENTILATION
 - METEOROLOGICAL FACTORS
 - ATMOSPHERE
 - AIR
 - AIR MOVEMENTS
 - WIND
 - ATMOSPHERIC PRESSURE
 - AIR PRESSURE
 - CLIMATE
 - COLD CLIMATE
 - POLAR REGIONS
 - DESERT CLIMATE
 - MICROCLIMATE
 - TROPICAL CLIMATE
 - WEATHER
 - HUMIDITY
 - TEMPERATURE
 - COLD
 - HEAT
 - SEASONS
 - ENVIRONMENTAL POLLUTION
 - AIR POLLUTION
 - AIR POLLUTION, RADIOACTIVE
 - AUTOMOBILE EXHAUST
 - DUST
 - SMOKE
 - SMOG

Miscellaneous headings of possible interest:

- AEROSOLS (D26, J1)
- AEROSOL PROPELLANTS (D26, J1)
- GLUE SNIFFING (F1, F3, I1)
- SMOKING (F1, F3)
- THORACIC INJURIES (C21)
- HEART, MECHANICAL (E7)
- ACCLIMATIZATION (G7)
- MOUNTAINEERING (I3)

AVLINE UPDATE

Virginia White, Technical Services Division, NLM

AVLINE UPDATE becomes a regular feature of *Library Network/MEDLARS Technical Bulletin* with this issue. It will contain information on cataloging decisions and AVLINE policies, progress reports, suggestions for searching the data base, and other items of interest to AVLINE users.

AVLINE PROGRESS

During the fall of 1976 the technical services functions associated with the processing of nonprint media (i.e., the selection, acquisition, and cataloging of audiovisuals) have been consolidated with the processing of the print materials. These functions have been incorporated into the workflow of the Technical Services Division. Since September 1976, 1434 titles produced since 1973 have been ordered for AVLINE. In addition, review sessions have been held at NLM and the Medical College of Virginia. To date, 2339 titles have been cataloged, indexed, and abstracted for the AVLINE data base.

The Association of American Medical Colleges (AAMC) is coordinating the appraisal process of all AVLINE titles through their Washington, D.C. headquarters. Individual audiovisual titles are distributed to health science professionals throughout the United States. Each primary reviewer prepares a critical abstract as part of the appraisal process.

THE NAME AUTHORITY FILE: A USEFUL AVLINE ADJUNCT

Use of the Name Authority File (NAF) can increase the utility of AVLINE and improve searching efficiency. The NAF is accessed by entering the command "FILE NAME while logged into ELHILL 3 at NLM. It contains Authority records for all corporate, conference, and series names used in NLM's descriptive cataloging. All personal names requiring cross references and any personal name used more than once are also included.

- Searching the NAF: Each record in the Name Authority File is searchable from three major access points - the established form of the name, variant forms of the name, and an entry version based on the established form of the name. The established and variant forms of the name are directly searchable through the first 39 characters. The entry version is formed from the established form of the name by use of the following algorithms:

Personal names with name dates: 1.Surname
2.Slash 3.First and second initial 4.Birth year.
Example: Established form of the name:

Burke, John Gordon, 1938

Entry version:
BURKE/JG1938

Corporate names or series titles: 1.First four letters of first word 2.Slash 3.First letter of every succeeding word in the name.
Example: Established form of the name:

Grady Memorial Hospital, Atlanta

Entry version:

GRAD/MHA

For a more detailed explanation of the entry version, see the *On-line Services Reference Manual*, pages IX-4 to IX-6 (Name Entry Version) and pages IX-8 to IX-9 (Series Entry Version).

- Use of the NAF for acquisitions: The AVLINE unit record contains, for each item, the name of the procurement source and the price. These can be retrieved with the command "PRINT LOAN. The address and telephone number for most procurement sources can be found in the Name Authority File. After retrieval of the name authority record for the procurement source, the command "PRINT AD will cause the address and telephone number to be printed.

- Use of the NAF for cataloging: When items not contained in AVLINE are being cataloged, the Name Authority File can be used to determine whether NLM has established the name in question and, if so, to determine the established form of the name.

- Use of the NAF for reference: When AVLINE is searched for audiovisuals associated with a particular person or corporate body, the established form of the name must be entered since AVLINE contains no cross references. If the established form of the name is not known, it may be determined by use of the Name Authority File. Cross references from variant forms of established names are directly searchable here, leading to easy retrieval of the name form to be entered in AVLINE.

The Name Authority File can diminish time spent searching AVLINE by making possible speedy retrieval of the established form of a personal or corporate name. It can also extend the usefulness of AVLINE by providing the addresses and telephone numbers of the procurement sources for AVLINE items.

For further information, please refer to the AVLINE section of the *On-line Services Reference Manual*. Additional information will be provided via the *Technical Bulletin* as it becomes available. Questions may be addressed to MEDLARS Management Section.

MEDLINE TRAINEES AT UCLA, DECEMBER 6 - 10, 1976

Rochelle M. Braunstein - Naval Regional Medical Center San Diego, California	Clifford L. Nestell - Loma Linda University Loma Linda, California
Lourdes T. Dorilag - Syntex (USA) Inc. Palo Alto, California	Diane I. Reed - University of California, Riverside Riverside, California
S. Marlow Englehardt - NADA Ames Research Center Moffett Field, California	Kathryn Walsh - University of California, Los Angeles Los Angeles, California
Sheri L. Kruyer - Los Angeles County Medical Assoc. Los Angeles, California	Joan S. Zenan - University of Nevada, Reno Reno, Nevada
Mark A. Midbon - California State Univ., Fresno Fresno, California	

TOXLINE TRAINEES AT UCLA, DECEMBER 10 - 13, 1976

Helen Asher - St. Joseph Hospital Orange, California	Clifford L. Nestell - Loma Linda University Loma Linda, California
Marilyn Schwartz - Naval Regional Medical Center San Diego, California	Diane I. Reed - University of California Riverside Riverside, California
Eva Kratz - St. Francis Hospital of Lynwood Lynwood, California	Kathryn Walsh - University of California, Los Angeles Los Angeles, California
Sheri L. Kruyer - Los Angeles County Medical Assoc. Los Angeles, California	Joan S. Zenan - University of Nevada, Reno Reno, Nevada
Mark A. Midbon - California State Univ., Fresno Fresno, California	

MEDLINE TRAINEES AT.nlm, DECEMBER 13 - 17, 1976

Harriet Albersheim - Food and Drug Admin. Silver Spring, Maryland	Alice Lee - Monsanto Company St. Louis, Missouri
Alyce Albrecht - Richardson-Merrell, Inc. Wilton, Connecticut	Donald Passidoma, Jr. - Veterans Administration Center Wilmington, Delaware
Maureen Canick - Georgetown University Washington, D.C.	Lavern Samb - La Crosse Lutheran Hospital La Crosse, Wisconsin
Eileen Emberson - Luther Hospital Eau Claire, Wisconsin	Steven Sowell - Georgetown University Washington, D.C.
Nancy Hewison - Tufts University Boston, Massachusetts	Florence Summerlin - National Clearing House for Mental Health Information Bethesda, Maryland
Renee Johnson - Georgetown University Washington, D.C.	Wesley Taoka - Francis A. Countway Library of Medicine Boston, Massachusetts
Barbara Jones - Walter Reed Army Medical Center Washington, D.C.	Barbara Thomas - Doctors Hospital Washington, D.C.
Margie Knott - Federal Trade Commission Washington, D.C.	

NEW SERIALS ANNOUNCEMENT - DECEMBER 1976

Serial Records, Technical Services Division, NLM

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

- *BANGLADESH MEDICAL RESEARCH COUNCIL BULLETIN
1, 1975--
Bangladesh Medical Research Council
Dacca, Bangladesh
- *CATALOGUE OF JOHN ORR FOSTER REFERENCE LIBRARY
1, 1972--
Canada. National Institute of Mental
Retardation
Downsview, Canada
- *CATALOGUE OF JOHN ORR FOSTER REFERENCE LIBRARY.
SUPPLEMENT
1, 1972--
Canada. National Institute on Mental
Retardation
Downsview, Canada
- CONTACT LENS FORUM
1, 1976--
Advisbry Enterprises
White Plains, New York
- *CUMULATED ANNOTATION - CLEARING HOUSE ON HEALTH
INDEXES
1973/74--
U.S. Health Resources Administration
Rockville, Maryland
- *CURRENT TITLES IN TURKISH SCIENCE
3, 1976--
Cont of Monthly Current Awareness Service
on Scientific Publications: Series B.
Foreign Edition
Turck
Ankara, Turkey
- *DIABETES MELLITUS
4, 1975--
Cont of Diabetes Mellitus: Diagnosis and
Treatment
American Diabetes Association
New York, New York
- DIRECTORY OF NONMEMBER OSTEOPATHIC PHYSICIANS
1, 1976--
American Osteopathic Association
Chicago, Illinois
- FOOD AND DRUG LETTER
1, 1976--
Washington Business Information
Washington, D.C.
- FROM THE STATE CAPITALS: DRUG ABUSE CONTROL
REPORT
N1, 1973--
Bethune Jones
Asbury Park, New Jersey
- *ILLINOIS CONFERENCE ON MEDICAL INFORMATION
SYSTEMS
1, 1976--
Instrument Society of America
Pittsburgh, Pennsylvania
- JOURNAL OF THE AMERICAN ACADEMY FOR FUNCTIONAL
PROSTHODONTICS
1, 1976--
Doctors Dental Service
Chicago, Illinois
- *JOURNAL - AMERICAN INTRA-OCULAR IMPLANT
SOCIETY
2, 1976--
Cont of Newsletter - American Intra-Ocular
Implant Society
American Intra-Ocular Implant Society
Santa Monica, California
- MEDICAL DEVICES REPORTER
1, 1976--
Commerce Clearing House
Chicago, Illinois
- MODERNE ARZNEIMITTEL THERAPIE
1, 1976--
Urban and Schwarzenberg
Freiburg, West Germany
- PROCEEDINGS OF THE ANNUAL NEW ENGLAND BIO-
ENGINEERING CONFERENCE
2, 1974--
Cont of New England Conference on
Bioengineering
Pergamon Press
New York, New York
- PROCEEDINGS - DARTMOUTH-HITCHCOCK CONFERENCE
ON HEALTH CARE
1, 1975--
Dartmouth Medical School
Hanover, New Hampshire
- SCHRIFTENREIHE - SCHWEIZERISCHE GESELLSCHAFT
FUER KLINISCHE CHEMIE
1, 1973--
Chemie-Verlag Vogt
Solothurn, Switzerland
- SOCIETY FOR EXPERIMENTAL BIOLOGY SEMINAR SERIES
1976--
Cambridge University Press
Cambridge, England
- TCA MANUAL
1, 1975--
U.S. Tissue Culture Association
Rockville, Maryland

list of monographs indexed

JANUARY 1977

D

Distribution des échanges gazeux pulmonaires =
Distribution of pulmonary gas exchange : colloque,
Paris-Créteil, 22-24 septembre 1975 - sous le
patronage de INSERM-SEPCR ; publié sous la
responsabilité de Claire Hatzfeld. -- Paris : Editions
INSERM, 1976. 473 p. : ill. At head of title: Les
Editions de l'Institut national de la santé et de la
recherche médicale. Table of contents in French and
English, text in French or English with
summaries in the other language. Includes
bibliographies.

1. Lung - physiology - congresses 2. Respiration
- congresses 3. Ventilation-Perfusion Ratio -
congresses I. Hatzfeld, Claire, ed. II.
European Society for Clinical Respiratory
Physiology. III. Institut national de la santé et
de la recherche médicale.
ISBN 2-85508-138-7
04NLM: WF 600 D613 1975
IM

Cit. No. 7812827

E

Epileptic seizures : behaviour : pain / edited by W.
Birkmayer. -- Baltimore : University Park Press,
c1976. 372 p. : ill. Proceedings of an International
symposium held in St. Moritz, 6th-7th Jan. 1975.
1. Anticonvulsants - therapeutic use - congresses
2. Behavior - drug effects - congresses 3.
Epilepsy - drug therapy - congresses 4. Pain
- drug therapy - congresses 5. Social Behavior
Disorders - in infancy & childhood - congresses
I. Birkmayer, Walther, ed. II. Title:
International symposium on epileptic seizures

ISBN 0-8391-0938-5 LC: 76-16098
04NLM: WL 385 E646 1975
IM

Cit. No. 7613074

F

**Fondation pour la recherche en endocrinologie
sexuelle et l'étude de la reproduction humaine.**
Reproductive endocrinology : hormone relations
and the physiopathology of pregnancy, hormone
investigations, hypothalamic-hypophyseal
relations : proceedings of the first symposium of
the Fondation pour la recherche en endocrinologie
sexuelle et l'étude de la reproduction humaine
(FRESERH), held at the Université libre de
Bruxelles, Belgium, 31 March to 1 April, 1973 ...
/ edited by R. Vokaer and G. De Bock. -- 1st ed.
-- Oxford ; New York : Pergamon Press, c1975. xl,
238 p. : ill. At head of title: Free University of
Brussels, Clinics of Obstetrics and Gynecology,
Brugmann Hospital.

1. Hormones - congresses 2.
Hypothalamic-Hypophyseal System - congresses
3. Pregnancy Complications - congresses 4.
Pregnancy - congresses I. Bock, G. de, ed.
II. Vokaer, R., ed. III. Hôpital Brugmann,
Brussels. Clinique obstétricale et gynécologique.
IV. Title

ISBN 0-08-018170-8 LC: 74-34102
04NLM: WQ 200 F873r 1973
IM

Cit. No. 7612162

The Future for insecticides : needs and prospects
: proceedings of a Rockefeller Foundation
conference, Bellagio, Italy, April 22-27, 1974 /
edited by Robert L. Metcalf and John L. McKelvey,
Jr. -- New York : Wiley, c1976. xiv, 524 p. : ill.,
ports. -- (Advances in environmental science and
technology ; v. 8) A Wiley-Interscience publication.
1. Insecticides - congresses I. McKelvey, John
J., ed. II. Metcalf, Robert Lee, 1916- ed.
III. Rockefeller Foundation. IV. Series

ISBN 0-471-59890-7 LC: 75-33224
04NLM: WA 240 F996 1974
IM

Cit. No. 7611761

I

International Symposium on Intensive Therapy,

Rome, 1975 Total parenteral alimentation :
proceedings of the international symposium on
Intensive Therapy, Rome, May 30-June 2, 1975 /
editors, C. Manni, S. I. Magalini, E. Scarscia. --
Amsterdam : Excerpta Medica ; New York :
American Elsevier, 1976. xl, 330 p. : ill. -- (Excerpta
medica : International congress series ; no. 367)
ISBN 0-444-15195-8 (American Elsevier) Sponsored
by the Società Italiana di anestesologia e
rianimazione, the Society of Critical Care
Medicine, and the Società Italiana di terapia
intensiva.

1. Parenteral Feeding - congresses I. Magalini,
Sergio, ed. II. Manni, C., ed. III. Scarscia,
E., ed. IV. Society of Critical Care Medicine.
V. Società Italiana di anestesologia e
rianimazione. VI. Società Italiana di terapia
intensiva. VII. Title VIII. Title: Proceedings
of the International Symposium on Intensive
Therapy IX. Series
ISBN 0-444-15195-8 LC: 75-44059
04NLM: W3 EX89 no 367 1975
: [WB 410 I596: 1975]OXNLM,11CLA
IM

Cit. No. 7612217

International Thyroid Conference, 7th, Boston, 1975.
Thyroid research : proceedings of the seventh
international Thyroid Conference, Boston,
Massachusetts, June 9-13, 1975 / editors, Jacob
Robbins, Lewis E. Braverman, co-editors, F. J. G.
Ebling, I. W. Henderson. -- Amsterdam : Excerpta
Medica ; New York : American Elsevier, 1976. xiv,
638 p. : ill. -- (Excerpta medica : International
congress series ; no. 378) ISBN 0-444-15202-4
(American Elsevier)

1. Thyroid Diseases - congresses 2. Thyroid
Gland - congresses 3. Thyroid Hormones -
congresses 4. Thyroid Neoplasms - congresses
I. Braverman, Lewis E., 1929- ed. II. Robbins,
Jacob, 1922- ed. III. Title IV. Title:
Proceedings of the seventh International Thyroid
Conference V. Series
ISBN 0-444-15202-4 LC: 76-824
04NLM: W3 EX89 no.378 1975
OXNLM,11CLA: [WK 200 159 1975t]
IM

Cit. No. 7612963

**International Workshop on Basic Properties and
Clinical Applications of Transfer Factor, 2d, U. S.
Army Medical Research Institute of Infectious
Diseases, 1975.** Transfer factor : basic properties
and clinical applications / edited by Michael S.
Ascher, A. Arthur Gottlieb, Charles H.
Kirkpatrick. -- New York : Academic Press, 1976.
xxi, 757 p. : ill.

1. Lymphocyte Transformation - drug effects -
congresses 2. Transfer Factor - therapeutic use
- congresses 3. Transfer Factor - Immunology
- congresses I. Ascher, Michael S., ed. II.
Gottlieb, A. Arthur, ed. III. Kirkpatrick,
Charles H., 1931- ed. IV. U. S. Army Medical
Research Institute of Infectious Diseases. V.
Title

ISBN 0-12-064650-1 LC: 76-9868
04NLM: W3 IN9324N 1975t
OXNLM,01HMS: [WH 200 I617 1975t]
IM

Cit. No. 7612966

J

**Joint FAO-WHO Expert Committee on Food
Additives.** Toxicological evaluation of some food
additives including anticaking agents,
antimicrobials, antioxidants, emulsifiers and
thickening agents prepared by the Joint
FAO/WHO Expert Committee on Food Additives
which met in Geneva, 25 June - 4 July 1973. --
Geneva : World Health Organization, 1974. 520, xix
p. : ill. -- (WHO food additives series ; no. 5)
1. Antioxidants - poisoning - congresses 2.
Antioxidants - toxicity - congresses 3. Food
Additives - poisoning - congresses 4. Food
Additives - toxicity - congresses I. World
Health Organization. II. Title III. Series

ISBN 92-4-168005-8
04NLM: W1 W14H no.5 1974
OXNLM: [WA 712 J741f 1973]
IM

Cit. No. 7611854

N

Nutrient requirements in adolescence / edited by John I. McKigney and Hamish N. Munro -- Cambridge, Mass. : MIT Press, c1976 xvii, 365 p. : ill. Proceedings of a conference held at Airlie House, Virginia, June 3-6, 1973, sponsored by the National Institute of Child Health and Human Development.

I. Nutrition - in adolescence - congresses I. McKigney, John I., ed. II. Munro, Hamish Nisbet, ed. III. National Institute of Child Health and Human Development. IV. Title: Conference on nutrient requirements in adolescence
 ISBN 0-262-13119-6 LC: 75-38724
 04NLM: WS 115 N974 1973 Cit. No. 7605386

P

Proteolysis and physiological regulation / edited by D. W. Ribbons, K. Brew. -- New York : Academic Press, 1976. xvi, 410 p. : ill. -- (Miami Winter Symposia ; v. 11) Proceedings of the Miami Winter Symposia, January, 1976. Sponsored by the Dept. of Biochemistry, University of Miami, School of Medicine, Miami, Fla.

I. Peptide Hydrolases - congresses 2. Proteins - metabolism - congresses I. Brew, K., ed. II. Ribbons, D. W., ed. III. University of Miami, Coral Gables, Fla. Dept. of Biochemistry. IV. Title: Symposium on proteolysis and physiological regulation V. Series
 ISBN 0-12-588250-5 LC: 76-18739
 04NLM: W3 MI202 v.11 1976
 01HMS: QU 4 M618 v.11 1976
 04NLM: [QU 55 P98 1976]
 IM Cit. No. 7612142

S

Symposium on Biological Effects of Low-Level Radiation Pertinent to Protection of Man and His Environment, Chicago, 1975 Biological and environmental effects of low-level radiation : proceedings of a symposium on Biological Effects of Low-Level Radiation Pertinent to Protection of Man and His Environment, / organized by the International Atomic Energy Agency and the World Health Organization, and held in Chicago, 3-7 November 1975. -- Vienna : International Atomic Energy Agency, 1976. 2 v. : ill. -- (International Atomic Energy Agency. Proceedings series) 92-0-010078-7 (v. 1) STI/PUB 409.

I. Radiation Effects - congresses 2. Radiation Injuries - congresses I. International Atomic Energy Agency. II. World Health Organization. III. Title IV. Series
 ISBN 92-0-010078-7
 04NLM: WN 610 S988b 1975
 IM Cit. No. 7611718

Conference on Evaluation Methods in Psychiatry, Chicago, 1972. Evaluative methods in psychiatric education / editors, Hyman L. Muslin...[et. al] Washington : American Psychiatric Assn., 1974. xiii, 220 p. : ill.

04NLM:WM 18 C746e 1972
 IM

list of monographs indexed

FEBRUARY 1977

D

DNA synthesis and its regulation edited by Mehran Goulian, Philip Hanawalt. -- Menlo Park, Calif. : Benjamin, c1975. xii, 880 p. : ill. -- (ICN-UCLA symposia on molecular & cellular biology ; v. 3) Proceedings of a conference held at Squaw Valley, Calif. in Mar. 1975, sponsored by ICN Pharmaceuticals, Inc., and organized through the Molecular Biology Institute of the University of California, Los Angeles. Includes bibliographies. I. DNA Replication - congresses I. Goulian, Mehran, ed. II. Hanawalt, Phillip C., ed. III. ICN Pharmaceuticals, Inc. IV. University of California, Los Angeles. Molecular Biology Institute. V. Series
ISBN 0-8053-3350-9 LC: 75-22625
04NLM: W3 I322 v.3 1975
0XNLM: [QU 58 D114 1975]
IM Cit. No. 7613376

I

International Conference on Biological Membranes, 6th, Crans-sur-Sierre, Switzerland, 1975. Membranes and disease / editors, Liana Bolis, Joseph F. Hoffman, Alexander Leaf. -- New York : Raven Press, c1976. xvii, 406 p. : ill.
1. Cell Membrane - pathology - congresses 2. Disease - etiology - congresses 3. Membranes - physiopathology - congresses I. Bolis, Liana, ed. II. Hoffman, Joseph F., ed. III. Leaf, Alexander, 1920- IV. Title
ISBN 0-89004-082-6 LC: 75-30235
04NLM: W3 IN169J 1975m
0XNLM,01HMS: [QS 532.M5 I61 1975m]
IM Cit. No. 7613449
Price: 28.75

International Symposium on Growth Hormone, 3d, Milan, 1975. Growth hormone and related peptides : proceedings of the IIIrd international symposium, Milan, September 17-20, 1975 / editors, A. Pecile and E. E. Müller. -- Amsterdam : Excerpta medica ; New York : American Elsevier, 1976. xi, 466 p. : ill., ports. -- (Excerpta medica : International congress series ; no. 381) ISBN 0-444-15214-8 (American Elsevier)
1. Prolactin - congresses 2. Somatomedin - congresses 3. Somatotropin Release Inhibiting Hormone - congresses 4. Somatotropin - congresses I. Müller, E. E., ed. II. Pecile, Antonio, ed. III. Title IV. Title: Proceedings of the IIIrd International Symposium on Growth Hormone V. Series
ISBN 0-444-15214-8 LC: 76-3752
04NLM: W3 EX89 no.381 1975
0XNLM,11CLA: [WK 515 I61 1975ga]
IM Cit. No. 7612676
Price: 62.33

N

Nutrition, longevity, and aging / edited by Morris Rockstejn, Marvin L. Susman. -- New York : Academic Press, 1976. xi, 284 p. : ill. Sixth publication in a series of published proceedings of annual symposia dedicated to various aspects of biological gerontology, sponsored by the Training Program in Cellular Aging of the Departments of Physiology/Biophysics and Microbiology, held in 1976 at the University of Miami School of Medicine, Miami, Florida.
1. Aging - congresses 2. Longevity - congresses 3. Nutrition - congresses I. Rockstejn, Morris. II. Susman, Marvin L. III. University of Miami, Coral Gables, Fla. Training Program in Cellular Aging. IV. Title: Symposium on nutrition, longevity, and aging
ISBN 0-12-591856-6 LC: 76-26639
04NLM: WT 104 N977 1976
IM Cit. No. 7700093

P

Pharmacology of marijuana : a monograph of the

National Institute on Drug Abuse editors, Monique C. Braude, Stephen Szara. -- New York : Raven Press, c1976. 2 v. (xii, 865 p.) ill. Proceedings of an international research conference held in Savannah, Georgia, Dec. 3-6, 1974.
I. Cannabis - pharmacodynamics - congresses I. Braude, Monique C., ed. II. Szara, Stephen L., ed. III. National Institute on Drug Abuse. IV. Title: Conference on pharmacology of marijuana
ISBN 0-89004-067-2 LC: 75-14563
04NLM: WM 276 P536 1974
IM Cit. No. 7612852

S

Society for Occupational and Environmental Health. Health effects of occupational lead and arsenic exposure : a symposium edited by Bertram W. Carnow ... Contract number 210-75-0026, Chicago, Illinois, February 24-25, 1975. -- Cincinnati : U. S. Dept. of Health, Education, and Welfare, Public Health Service, Center for Disease Control, National Institute for Occupational Safety and Health, Division of Surveillance, Hazard Evaluations and Field Studies ; Washington : For sale by the Supt. of Docs., U. S. Govt. Print. Off., 1976. xi, 341 p. : ill. -- (HEW publication ; no. (NIOSH) 76-134) Sponsored by Society for Occupational and Environmental Health and other organizations.
1. Arsenic - poisoning - congresses 2. Environmental Exposure - congresses 3. Industrial Medicine - congresses 4. Lead Poisoning - congresses I. Carnow, Bertram W., 1922- II. National Institute for Occupational Safety and Health. Division of Surveillance, Hazard Evaluations and Field Studies. III. National Conference on Health Effects of Occupational Lead and Arsenic Exposure, Chicago, 1975. IV. Title V. Series
04NLM: QV 292 N275h 1975
IM Cit. No. 7700050

Symposium Anästhesie bei Extremen Leistungsklassen, Berlin, 1973. Symposium Anästhesie bei Extremen Leistungsklassen : anästhesiologische Besonderheiten bei Patienten im höheren Lebensalter und bei Leistungssportlern, Berlin, 2. bis 3. März 1973 : veranstaltet vom Zentralinstitut für Krebsforschung der Akademie der Wissenschaften der DDR / hrsg. von Manfred Lüder. -- Berlin : Akademie-Verlag, 1973. 108 p. : ill. -- (Abhandlungen der Akademie der Wissenschaften der DDR ; Jahrg. 1973)
1. Anesthesiology - in old age - congresses 2. Sport Medicine - congresses I. Lüder, Manfred, ed. II. Akademie der Wissenschaften der DDR. Zentralinstitut für Krebsforschung. III. Series
04NLM: WO 445 S992s 1973
IM Cit. No. 7610655

Symposium on Development of Upper Respiratory Anatomy and Function, National Institutes of Health, 1974. Development of upper respiratory anatomy and function : implications for sudden infant death syndrome / edited by James F. Bosma and Jane Showacre. -- Washington : For sale by the Supt. of Docs., U. S. Govt. Print. Off., 1975. x, 279 p. : ill. -- (Fogarty International Center proceedings ; no. 29) Sponsored by the National Institute of Child Health and Human Development, the National Institute of Dental Research and the John E. Fogarty International Center for Advanced Study in the Health Sciences.
1. Respiratory System - growth & development - congresses 2. Respiratory System - physiology - congresses 3. Sudden Infant Death - congresses I. Bosma, James F., ed. II. Showacre, Jane, ed. III. John E. Fogarty International Center for Advanced Study in the Health Sciences. IV. National Institute of Child Health and Human Development. V. National Institute of Dental Research. VI. Title VII. Series

04NLM: W3 FO49 no.29 1975
0XNLM: [WS 420 S9896d 1974]
IM Cit. No. 7613345

Symposium on the Clinical and Physiological Aspects of Mastication, University of Bristol, 1975.
Mastication : proceedings of a Symposium on the Clinical and Physiological Aspects of Mastication held at the Medical School, University of Bristol on 14-16 April 1975 edited by D. J. Anderson and B. Matthews. - Bristol : Wright, 1976. 291 p. : ill. Bibliography: p. 267-291.
1. Mastication - congresses 2. Masticatory Muscles - physiology - congresses I. Anderson, Declan John, ed. II. Matthews, B., ed. III. University of Bristol. School of Medicine. IV. Title
ISBN 0-7236-0438-X
04NLM: WU 102 S989m 1975
IM Cit. No. 7611800



LIBRARY NETWORK / MEDLARS TECHNICAL BULLETIN

of the

Library Component of the Biomedical Communications Network

FEBRUARY 1977

NO. 94

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NOTES ON TERMINAL SELECTION	4
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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

TECHNICAL NOTESPLEASE QUERY THE ON-LINE NEWS FILES DAILY AT NLM FOR SPECIAL NOTICES AND MESSAGES

Whenever applicable, the heading of each technical note will include a reference to the section/page of the NLM *On-Line Services Reference Manual* which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE at NLM and SDILINE at SUNY were updated with February 1977 citations on January 10. MEDLINE at SUNY was updated on January 24. The sizes, *Index Medicus* date ranges and entry dates are given below:

MEDLINE (Jan 75 - Feb 77)	595,028
(Entry dates 741205 to 770103)	
SDILINE (February 77)	23,406
(Entry dates 761204 to 770103)	

SINGLE CHARACTER CORRECTIONS (Manual II-21)

Either the backward slash (\), or the backward arrow (←), or the underscore (_) may be used for single character corrections on teletype compatible terminals.

TELENET, HALF-DUPLEX IDENTIFICATION (Manual II-9)

When logging in through TELENET, searchers may use either of the following methods to indicate that they will be operating in half-duplex.

1. Separate the two initial carriage returns with a semicolon. For example,
(cr) ; (cr)
2. In response to the @ symbol, type HALF followed by a carriage return (each letter will be printed twice by TELENET). For example,
@ HHAALLFF (cr)

'ALL' COMMAND AND ENTRY TERMS (Manual III)

Searchers using the ALL strategy must remember that MeSH entry terms will not be searched, unless they happen to also be text words (TW).

The strategy ALL LIPID: will not retrieve citations indexed with the term LIPOIDOSIS even though there is an entry term LIPIDOSIS to it.

NAMING STORESEARCHES (Manual XVI-13)

When storing searches (including those for automatic SDI's), only alphanumeric characters can be used in the search name. Special characters (*,-,/,#) and boolean operators are forbidden.

"TIME, NEW COMMAND AT NLM (Manual III-29)

A new command, "TIME, may be entered after any USER: cue to determine the elapsed time from the initial login or from the last "TIME command executed. This command is not available on the SUNY system.

CHANGE IN AUTHOR LISTINGS, INDEX MEDICUS

In the past, citations in the Author Section of *Index Medicus* listed a maximum of three authors. Beginning with the January issue, all authors will be cited. The change also applies to the *Abridged Index Medicus* and the *Monthly Bibliography of Medical Reviews*, and may be applied to other selected NLM bibliographies in the future.

MEDICAL SUBJECT HEADINGS ("BLACK & WHITE" MeSH), 1977 (Manual IV-11)

Part II of the January 1977 issue of *Index Medicus*, titled *Medical Subject Headings*, is available as a separate item from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Price: \$8.20 (\$10.05 foreign). Stock number 017-052-71095-8. This publication should not be confused with the *MeSH Annotated Alphabetic List - 1977* (searcher's MeSH) which is available from the NTIS. Note: The categorized lists in the back of the 1977 "Black & White MeSH" is the same as the 1977 *MeSH Tree Structures* available from NTIS (including geographics).

TYMSHARE NUMBERS (Manual II-9)

New numbers:

Jackson, MI	517/784-8522
Louisville, KY	502/361-3881
Boise, ID	208/343-4851
Tulsa, OK	918/492-1687 (10 cps)
Ottawa, CN	613/563-9841 (30 cps)

CANCERLINE, ENTRY DATES (Manual XV)

CANCERLINE has been regenerated and the four-digit entry date (ED) field may again be searched without the use of the truncation symbol. When ranging on entry dates, the category qualifier (ED) is required.

CANCERLINE, PUBLICATION TYPE (Manual XV)

A new data element, publication type (PT), has been added to CANCERLINE. All records will now carry one of the following indicators:

- journal article
- meeting abstract
- book
- thesis
- government report
- technical report
- monograph
- meeting paper
- letter to editor

These indicators are directly searchable.

Will not double-map

1977 ON-LINE TRAINING CLASS SCHEDULE

Following is the 1977 schedule reprinted from the December 76 *Technical Bulletin* but identifying the locations of the field training.

**Feb 28 - Mar 4	Atlanta, GA	Advanced
*Mar 7 - 11	NLM	Advanced
**Mar 14 - 18	Los Angeles, CA	Advanced
Mar 28 - Apr 1	NLM	Initial
Apr 4 - 8	NLM	Initial
May 2 - 6	NLM	Initial
May 9 - 13	Los Angeles, CA	Initial
*Jun 13 - 17	NLM	Advanced
Jul 25 - 29	Denver, CO	Initial
*Sep 12 - 16	NLM	Advanced
*Oct 17 - 21	NLM	Advanced
*Oct 24 - 28	Los Angeles, CA	Advanced
Nov 14 - 18	NLM	Initial
*Dec 5 - 9	Kansas City, MO	Advanced

+classes full

*an optional 6th day of instruction will be offered on other NLM databases, such as TOXLINE, CHEMLINE, etc.

LITERATURE SEARCH SUGGESTION FORM

Included in this issue is a form for suggesting literature searches.

MEDLARS AUDIOVISUALS

Another instructional unit in the series of audiovisuals on the MEDLARS system is now available. The slide/tape set, entitled ON-LINE MEDLARS SEARCHING, identifies and explains the steps involved in a search formulation from analysis of the patron's request through the performance of the on-line search. Techniques which enable the user to refine or expand the initial formulation are also described. The set includes a 25-minute audiocassette and 55 2x2 color slides. Purchase from:

National Audiovisual Center (GSA)
Order Section
Washington, D.C. 20409

Price: \$12.50

Order number: S-3554-X

CATLINE CHANGES (Manual VIII)

Catline has been regenerated and now requires 1977 MeSH terms for searching. Also, textword searching is now possible in the title (TI) field in CATLINE. The title key is still searchable and may be used alone or in conjunction with textword searching.

MEDLINE TRAINEES AT NLM, JANUARY 31 - FEBRUARY 18, 1977

Nancy Calabretta - Thomas Jefferson University
Philadelphia, Pennsylvania

Nancy Catravas - NINCDs, NIH
Bethesda, Maryland

Carole Hamon - The Dow Chemical Company
Indianapolis, Indiana

Karen Higgins - Johns Hopkins University
Baltimore, Maryland

Barbara Huckins - Veterans Administration Hosp.
Waco, Texas

H. Ram Jayaraman - Phillips Petroleum Company
Bartlesville, Oklahoma

Myra Karstadt - U.S. General Accounting Office
Washington, D.C.

Anne Loner - Wheeling Hospital
Wheeling, West Virginia

Irene Mary Lovas - Veterans Administration Hosp.
New York, New York

Shirley Owen - Kansas City College of Osteopathic
Medicine
Kansas City, Missouri

Michael Phillips - Institute for Medical Literature
South Africa

Kate Sanders - University of Missouri, Columbia
Columbia, Missouri

Mary Ellen Stieglitz - Enviro Control, Inc.
Rockville, Maryland

NOTES ON TERMINAL SELECTION*

Robert Wallace, Tymshare

I. DEVICE

General qualities to look for:

1. Fewer moving parts generally means more reliable operation, longer life and lower maintenance charges.
2. Buy only from a major manufacturer if the product is less than 6 months old. Response to manufacturing and reliability problems will be better than with a small manufacturer.
3. Buy from a small manufacturer only if the product has been in production for some time greater than 6 months and only after checking several reliable references who are utilizing the product in a comparable manner to your proposed use.
4. Rely on your own research to determine functional requirements, not prospective vendors' studies.
5. If the terminals are to be moved frequently, preference should be given to desk top packaging. This will result in lower shipping costs and lower de-installation and re-installation charges.
6. Preference should be given to user installable units -- this generally indicates less complexity and more reliable operation than units requiring installation by the service organization.
7. Careful consideration should be given to the physical layout of the terminal -- can the unit be damaged by foreign objects falling into the unit? Can the unit be easily and economically maintained?
8. The supplies needed for operation must be readily available; are they?

i.e., special ribbons: Diablo
Dec

special paper types: T.I.
N.C.R.

special paper sizes: G.E. Terminet

Are there second sources for supplies?

9. Shop around, even if it means delays. The better you understand your needs and what products are available, the better off you will be.

New Microprocessor Control Technologies

Microprocessor terminal control provides inherent advantages over the older TTL and discrete logic:

1. Provides the means for implementing inexpensive buffering of incoming data. This is useful for optimization of printing throughput (buffering data during the carriage return and line feed functions).

2. Improves reliability since generally fewer components are necessary.

3. Provides flexibility in terminal features and communications protocols through programmability. Some manufacturers will custom program the units for the user and in some cases, allow the user to provide his own programming.

II. MAINTENANCE

1. Maintenance selection is as important as the device itself.
2. Maintain all units under prime time remedial maintenance contracts. It is usually cheap insurance which provides you with predictable costs.
3. Make sure the maintenance organization covers your sites.
4. Generally third party maintenance, as opposed to manufacturer, is poor unless you have a large number of units per site; in either case, influence over the local maintenance manager is key.
5. Insure that costs for maintenance are in line with the industry and that protection against increases is provided. This may be obtained by a longer term commitment on your part. If you are buying a large quantity, you may be able to get a percentage limit on increases annually.
6. Write-in that a unit under Preventive Maintenance Contract should never require an overhaul or extra charge maintenance items.

III. CONTRACTING

1. You are buying the company you do business with as much as the product.
2. Beware of the third party terminal distributor's invention of the 12 X 36 lease. (If you don't cancel at the twelfth month, you are obligated to a full 36 month lease.)
3. If you rent or lease, get rental purchase credits and consider that the unit may have a much longer useful life than originally projected.
4. Beware of over-the-phone or by-mail ordering -- you need a local person to reconcile problems. The maintenance staff will not do for this function.
5. Anticipate all future situations and clarify their disposition in writing before you sign. This is when you have maximum leverage.

IV. USEFUL LIFE

Don't expect a 5-year useful life on printer terminals. I use 4 years and I am not disappointed.

PERIODONTAL DISEASE: A HEDGE

Maria Farkas, Ph.D., Index Section, NLM

It has been found in the past few decades that the major cause of premature tooth loss is periodontal disease and not caries. More healthy teeth are lost by their falling out of their supporting tissue than are being extracted for advanced caries.

The hedge below gathers together the basic MeSH headings useful in a search on periodontal disease.

Anatomy

GINGIVAL EXUDATE
 MANDIBULAR NERVE
 MAXILLARY NERVE
 MOUTH MUCOSA
 PERIODONTIUM
 ALVEOLAR PROCESS
 DENTAL CEMENTUM
 EPITHELIAL ATTACHMENT
 GINGIVA
 PERIAPICAL TISSUE
 PERIODONTAL LIGAMENT

Diseases

DRY SOCKET
 HEMORRHAGE, ORAL
 GINGIVAL HEMORRHAGE
 MONILIASIS, ORAL
 PERIODONTAL DISEASES
 GINGIVAL DISEASES
 GINGIVAL HYPERPLASIA
 GINGIVAL HYPERTROPHY
 GINGIVAL NEOPLASMS
 GINGIVITIS
 GINGIVITIS, NECROTIZING ULCERATIVE
 GRANULOMA, GIANT CELL
 PERICORONITIS
 PERIODONTAL CYST
 RADICULAR CYST
 PERIODONTITIS
 ABSCESS, PERIODONTAL
 GINGIVAL POCKET
 PERICEMENTITIS
 PERIDONTOCLASIA
 TOOTH EXFOLIATION
 TOOTH MIGRATION
 MESIAL MOVEMENT OF TEETH
 TOOTH MOBILITY
 STOMATITIS, APHTHOUS
 TUBERCULOSIS, ORAL

Neoplasms

GINGIVAL NEOPLASMS
 NEOPLASMS, DENTAL TISSUE
 AMELOBLASTOMA
 CEMENTOMA
 ODONTOGENIC TUMOR
 ODONTOMA
 ODONTOGENIC CYSTS
 DENTIGEROUS CYST
 PERIODONTAL CYST
 RADICULAR CYST

Here is a list of syndromes and systemic diseases involving the periodontium:

AFIBRINOGENEMIA
 FALLOT'S TETRALOGY
 HAND-SCHUELLER-CHRISTIAN SYNDROME
 HERPES SIMPLEX
 HERPES ZOSTER
 KWASHIORKOR
 MELKERSSON-ROSENTHAL SYNDROME
 PAPILLON-LEFEVRE DISEASE
 PURPURA, THROMBOTIC THROMBOPENIC
 (also called Moschkowitz syndrome)
 SCURVY
 STEVENS-JOHNSON SYNDROME
 TAKAYASU SYNDROME
 VITAMIN A DEFICIENCY
 VON WILLEBRAND'S DISEASE

Here is a list of miscellaneous terms applicable in periodontal articles:

DENTAL HYGIENISTS (M1, N2)
 PERIODONTICS (E6)
 DENTAL PROPHYLAXIS
 SCALING, DENTAL
 GINGIVECTOMY
 GINGIVOPLASTY
 PERIODONTAL DRESSINGS
 PERIODONTAL INDEX
 PERIODONTAL PROSTHESIS
 SPLINTS, PERIODONTAL
 SUBGINGIVAL CURETTAGE

EYE AND VISION: A HEDGE

Dora R. Timke, Index Section, NLM

The arrangement of eye and vision terms from the 1977 *Medical Subject Headings* (MeSH) do not follow exclusively tree by tree, especially with regard to terms pertinent to the anatomy of the eye. This arrangement is, instead, by natural grouping. The other aspects are listed in the conventional tree-by-tree presentation.

EYE ANATOMY

The reproduction of Category A9 (Anatomy: Sense Organs) showing the eye portion is interspersed with pertinent anatomical relationships from other trees as indicated in parentheses.

EYE

ANTERIOR CHAMBER
 AQUEOUS HUMOR
 CONJUNCTIVA
 CORNEA
 DESCEMENT'S MEMBRANE
 EYE PROTEINS (D12)
 CRYSTALLINS
 RHODOPSIN
 EYELIDS
 EYELASHES
 MEIBOMIAN GLANDS
 LACRIMAL APPARATUS
 HARDERIAN GLAND
 NASOLACRIMAL DUCT
 TEARS (A12)
 LENS, CRYSTALLINE
 CRYSTALLINS (D12)
 OCULOMOTOR MUSCLES
 OPHTHALMIC ARTERY (A7)
 PIGMENT EPITHELIUM OF EYE
 RETINA
 FUNDUS OCULI
 MACULA LUTEA
 FOVEA CENTRALIS
 OPTIC DISK
 PHOTORECEPTORS (A8)
 RODS AND CONES
 RETINAL PIGMENTS (D11)
 RHODOPSIN
 SCLERA
 TRABECULAR MESHWORK
 UVEA
 CHOROID
 CILIARY BODY
 IRIS
 EYE COLOR (G4)
 PUPIL
 VITREOUS BODY

A8: Neurological anatomy relating to the eye. The array below gathers terms scattered throughout A8:
 OCULOMOTOR NERVE
 OPHTHALMIC NERVE

OPTIC NERVE
 OPTIC CHIASM
 OPTIC DISK
 PHOTORECEPTORS
 RODS AND CONES
 VISUAL CORTEX
 VISUAL PATHWAYS

Other anatomical terms related to the eye:
 ORBIT (A2)

Animal terms:

NICTITATING MEMBRANE (consider with EYELIDS)
 OPTIC LOBE (a substitute for the visual cortex in birds and lower vertebrates)
 PECTEN OCULI (consider with RETINAL VESSELS)

EYE DISEASES

C11: This tree is devoted to EYE DISEASES. Please refer to it. In C11 is EYE MANIFESTATIONS with no indentations. EYE MANIFESTATIONS, however, taken from C23 is explodable and yields:

EYE MANIFESTATIONS
 ADIE'S SYNDROME
 AMBLYOPIA
 BLEPHAROPTOSIS
 DIPLOPIA
 HORNER'S SYNDROME
 NYSTAGMUS
 PAPILLEDEMA
 SCOTOMA

C16: Neonatal diseases and abnormalities:

ANOPHTHALMOS
 COLOBOMA
 HYDROPHTHALMOS
 MICROPHTHALMOS
 OPHTHALMIA NEONATORUM
 RETROLENTAL FIBROPLASIA

C21: Eye injuries:

EYE INJURIES
 EYE BURNS
 EYE FOREIGN BODIES

D16: Drugs acting on the eye:

CYCLOPLEGICS
 CYCLOPENTOLATE
 MIOTICS
 MYDRIATICS
 CYCLOPENTOLATE

D26: Drugs acting on the eye:

TEAR GASES
 CHLOROACETOPHENONE
 OPHTHALMIC SOLUTIONS

OPHTHALMIC PROCEDURES

E1: Diagnostic procedures

DIAGNOSIS, EYE (NON MESH)
 ELECTRORETINOGRAPHY
 EYE MOVEMENTS
 ELECTROOCULOGRAPHY
 ELECTRONYSTAGMOGRAPHY
 FLICKER FUSION
 FUNDUS FLUORESCENCE PHOTOGRAPHY
 GONIOSCOPY
 OPHTHALMODYNAMOMETRY
 OPHTHALMOSCOPY
 TONOMETRY
 VISION TESTS
 COLOR PERCEPTION TESTS
 PERIMETRY
 REFRACTION, OCULAR
 REFLEX, PUPILLARY

E2: Therapeutic procedures:

LIGHT COAGULATION
 LASER COAGULATION
 ORTHOPTICS

E4: Surgical procedures:

SURGERY, EYE (NON MESH)
 CATARACT EXTRACTION
 ENZYMATIC ZONULOLYSIS
 EYE, ARTIFICIAL
 LASER COAGULATION
 SCLERAL BUCKLING

E7: Equipment & devices:

EYE, ARTIFICIAL
 LENSES
 CONTACT LENSES
 CONTACT LENSES, HYDROPHILIC
 EYEGLASSES
 EYE PROTECTIVE DEVICES

F2: Visual perception and the psychophysiology of vision:

VISUAL PERCEPTION
 AFTERIMAGE
 COLOR PERCEPTION
 FIELD DEPENDENCE-INDEPENDENCE
 FIGURAL AFTEREFFECT
 FLICKER FUSION
 PERCEPTUAL CLOSURE
 GESTALT LAW OF CLOSURE
 PERCEPTUAL MASKING
 SPACE PERCEPTION
 DEPTH PERCEPTION
 DISTANCE PERCEPTION

FORM PERCEPTION
 CONTOUR PERCEPTION
 PATTERN RECOGNITION, VISUAL
 SIZE PERCEPTION
 EIDETIC IMAGERY
 PHOTOGRAPHIC MEMORY
 OPTICAL ILLUSIONS
 SUBLIMINAL STIMULATION
 SUBLIMINAL PERCEPTION

G11: The physiology of vision:

OCULAR PHYSIOLOGY (NON MESH)
 ACCOMMODATION, OCULAR
 ADAPTATION, OCULAR
 DARK ADAPTATION
 EYE COLOR
 EYE MOVEMENTS
 SACCADES
 FIXATION, OCULAR
 INTRAOCULAR PRESSURE
 VISION
 PHOSPHENES
 VISION, ENTOPTIC
 VISUAL ACUITY
 VISUAL FIELDS
 VISUAL PERCEPTION
 AFTERIMAGE
 COLOR PERCEPTION
 DEPTH PERCEPTION
 DISTANCE PERCEPTION
 FIGURAL AFTEREFFECT
 FLICKER FUSION
 FORM PERCEPTION
 REFLEX, OCULOCARDIAC
 SLEEP, REM (note EYE MOVEMENTS in the branch above)

Here are some miscellaneous terms in MeSH of more or less direct kinship with the eye and eye terms.

Environmental: LIGHTING (G3)
 SUNLIGHT (G3)
 INFRARED RAYS
 ULTRAVIOLET RAYS
 Professional: OPHTHALMOLOGY (G2)
 OPHTHALMIC ASSISTANTS (N2)
 OPTOMETRY (G2)
 Other: AID TO THE BLIND (N3)
 EYE BANKS (N2)
 CONDITIONING, EYELID (F2)
 CRYING (F1)
 OPTICS (H1)

NEW SERIALS ANNOUNCEMENT - JANUARY 1977

Serial Records, Technical Services Division, NLM

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

ACOUSTICAL IMAGING AND HOLOGRAPHY

1, 1977--
Crane, Russak and Company
New York, New York

ACTA GENETICA SINICA

1, 1974--
Plenum
New York, New York

ACTA REUMATOLOGICA Y BALNEOTERAPICA

1, 1975?--
Instituto de Reumatologia
De la Cruz Roja Espanola
Madrid, Spain

AKTUELLE RHEUMATOLOGIE

1, 1976--
Georg Thieme Verlag
Stuttgart, West Germany

ADMINISTRATION IN SOCIAL WORK

1, 1977--
Haworth Press
New York, New York

ADVANCES IN CANCER SURGERY

1, 1976--
Stratton IMBC
New York, New York

ADVANCES IN MODERN NUTRITION

1, 1976--
John Wiley and Sons
New York, New York

ADVANCES IN MODERN TOXICOLOGY

1, 1976--
Hemisphere Publication Corporation
Washington, D.C.

ADVANCES IN NEPHROLOGY

1977--
Yearbook Medical Publishers
Chicago, Illinois

AKTUELLE ERNAHRUNGSMEDIZIN

1, 1976--
Georg Thieme Verlag
Stuttgart, West Germany

AKTUELLE RHEUMATOLOGIE

1, 1976--
Georg Thieme Verlag
Stuttgart, West Germany

ALCOHOLISM: CLINICAL AND EXPERIMENTAL RESEARCH

1, 1977--
Grune and Stratton
New York, New York

*ANESTESIOLOGIA

1, 1974?--
Asociacion de Medicos Ex-residentes y
Residentes de Anestesiologia Hospital
General SSA
Mexico City, Mexico

APPLIED BIOCHEMISTRY AND BIOENGINEERING

1, 1976--
Academic Press
New York, New York

*ARQUIVOS DO INSTITUTO NACIONAL DE SAUDE

1, 1972?--
Arquivos do Instituto Nacional de Saude
Lisboa, Portugal

BEHAVIOR MODIFICATION

1, 1977--
Western Psychiatric Institute and Clinic
Pittsburgh, Pennsylvania

BEHAVIOURAL PROCESSES

1, 1976--
Elsevier
Amsterdam, Netherlands

BIOLOGY OF BEHAVIOR. BIOLOGIE DU COMPORTEMENT

1976--
Masson et Cie
Paris, France

CANADIAN JOURNAL OF APPLIED SPORT SCIENCES

1, 1976--
Association of Applied Sport Sciences
Vanier City, Canada

CARDIOVASCULAR MEDICINE

1, 1976--
Group Medicine Publications Inc.
New York, New York

CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND
PHYSIOLOGY. SUPPLEMENT

1, 1974--
Blackwell Scientific Publications
Oxford, England

CLINICAL AND EXPERIMENTAL STUDIES IN GASTRO-
ENTEROLOGY AND HEMATOLOGY

1, 1977--
Tohoku University. School of Medicine
Sendai, Japan

CROSS-CURRENTS IN DENTISTRY: THE DYNAMICS OF
HEALTH CARE DELIVERY

1, 1975--
Currents Information Systems
Victor, New York

- CURRENT CONCEPTS IN GASTROENTEROLOGY
1, 1976--
Professional Communications Associates
Chicago, Illinois
- DIRECTORY OF ALCOHOLISM TREATMENT PROGRAMS
1, 1976--
Information Planning Associates
Rockville, Maryland
- DRUG AND CHEMICAL TOXICITY
1, 1977--
Marcel Dekker
New York, New York
- EARLY HUMAN DEVELOPMENT
1, 1977--
Elsevier
Amsterdam, Netherlands
- EAR NOSE AND THROAT JOURNAL
55, 1976--
Cont of Eye Ear Nose and Throat Monthly
Insight Publishing Company
New York, New York
- *EKSPERIMENTALNAIA I KLINICHESKAIA ONKOLOGIIA
1, 1972--
Institute of Experiment and Clinical Medicine
Tallinn, USSR
- EXPERIMENTAL CELL BIOLOGY
44, 1975--
Cont of Pathologia et Microbiologia
Karger
Basel, Switzerland
- FEMS MICROBIOLOGY LETTERS
1, 1977--
Elsevier
Amsterdam, Netherlands
- FUTURE TRENDS IN INFLAMMATION
1, 1973--
Birkhauser Verlag
Stuttgart, West Germany
- GENE
1, 1977--
Elsevier
Amsterdam, Netherlands
- GENETIC ENGINEERING
1, 1977--
Elsevier
Amsterdam, Netherlands
- HEMOGLOBIN
1, 1976--
Marcel Dekker
New York, New York
- HISTOPATHOLOGY
1, 1977--
Blackwell Scientific Publications
Oxford, England
- HUMAN BEHAVIOR AND ENVIRONMENT
1, 1976--
Plenum
New York, New York
- INDIAN JOURNAL OF PHYSICAL ANTHROPOLOGY AND HUMAN GENETICS
1, 1976--
Ethnographic and Folk Culture Society
Lucknow, India
- INORGANIC PERSPECTIVES IN BIOLOGY AND MEDICINE
1, 1977--
Elsevier
Amsterdam, Netherlands
- INTERNATIONAL JOURNAL OF OBESITY
1, 1976--
Newman
London, England
- JOURNAL OF ANALYTICAL TOXICOLOGY
1, 1977--
Journal of Analytical Toxicology
Niles, Illinois
- JOURNAL OF CHEMICAL RESEARCH: PART M
1, 1977--
Contains full texts of papers synopsized in
Part S.
Chemical Society
London, England
- JOURNAL OF CHEMICAL RESEARCH: PART S
1, 1977--
Chemical Society
London, England
- JOURNAL OF CHROMATOGRAPHY - BIOMEDICAL APPLICATIONS
1, 1977--
Elsevier
Amsterdam, Netherlands
- JOURNAL OF CLINICAL ENGINEERING
1, 1976--
Quest Publishing Company
City of Industry, California
- JOURNAL OF CLINICAL PHARMACY
1, 1976?--
Blackwell Scientific Publications
Oxford, England
- JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY
1, 1977--
Raven Press
New York, New York
- JOURNAL OF FOOD PROCESSING AND PRESERVATION
1, 1977--
Food and Nutrition Press
Westport, Connecticut
- JOURNAL OF MATERNAL AND CHILD HEALTH
1, 1976?--
Barker Publications
London, England

- JOURNAL OF OCCUPATIONAL ACCIDENTS
1, 1976
Elsevier
Amsterdam, Netherlands
- *JOURNAL OF OPTICS. NOUVELLE REVUE D OPTIQUE
8, 1877--
Cont of Nouvelle Revue d Optique
Masson et Cie
Paris, France
- *JOURNAL OF PEDODONTICS
1, 1976--
Warren, Gorham and Lamont
Boston, Massachusetts
- JOURNAL OF PRODUCTS LIABILITY
1, 1977--
Pergamon Press
Oxford, England
- LEARNING DISABILITIES (AUDIOTAPE)
1, 1977--
Grune and Stratton
New York, New York
- MEDICAL MICROBIOLOGY
1, 1977--
Marcel Dekker
New York, New York
- MEMBRANE BIOCHEMISTRY
1, 1977--
Crane Russak and Company
New York, New York
- MINDOUT
17, 1976--
Cont of Mind Report
Mindout
London, England
- MONDO ORTODONTICO
1, 1976--
Suppl to Mondo Odontostomatologico
Gruppo Editoriale Cadmos
Milan, Italy
- NATIONAL DIRECTORY OF STATE AGENCIES
1, 1976--
Information Resources Press
Washington, D.C.
- NEUROLOGY UPDATE
1, 1977--
Medisette
Dallas, Texas
- NEUROSCIENCE ABSTRACTS
1, 1976--
Supersedes Program and Abstracts, Annual
Meeting Society for Neuroscience
Society for Neuroscience
Bethesda, Maryland
- NURSING IN CANADA/SOINS INFIRMIERS AU CANADA
1, 1975--
Canada. Statistics Canada
Ottawa, Canada
- NUTRITION AND THE BRAIN
1, 1975--
Raven Press
New York, New York
- OCCASIONAL PAPERS IN MEDICAL ANTHROPOLOGY
1, 1972--
University of Connecticut
Storrs, Connecticut
- OCCUPATIONAL SAFETY AND HEALTH
1, 1976--
Marcel Dekker
New York, New York
- PROGRESS IN CLINICAL NEUROPHYSIOLOGY
1, 1977--
Karger
Basel, Switzerland
- PROGRESS IN ORTHOPAEDIC SURGERY
1, 1977--
Springer Verlag
Berlin, Germany
- QUINTESSENCE OF DENTAL TECHNOLOGY
1, 1976--
Quintessence Publishing
Chicago, Illinois
- SEMINARS IN PERINATOLOGY
1, 1977--
Grune and Stratton
New York, New York
- SIDE EFFECTS OF DRUGS ANNUAL
1, 1977--
Updates Meylers Side Effects of Drugs
Between Editions
Excerpta Medical Foundation
Amsterdam, Netherlands
- SOCIET JOURNAL OF BIOORGANIC CHEMISTRY
1, 1976--
Consultants Bureau
New York, New York
- SWEDISH DENTAL JOURNAL
1, 1977--
Formed by the Merger of Svensk Tandlaekarell-
Tidskrift and Odontologisk Revy
Swedish Dental Federation
Stockholm, Sweden
- THORACIC AND CARDIOVASCULAR RADIOLOGY
1, 1977--
Springer Verlag
Berlin, Germany
- TOXICOLOGY LETTERS
1, 1977--
Elsevier
Amsterdam, Netherlands
- UPDATE IN PERIODONTICS
1976--
Cont of Advances in Periodontics
American Dental Association
Chicago, Illinois

US PHARMACIST
1, 1976--
Jobson Publishing
New York, New York

YEAR IN ENDOCRINOLOGY
1, 1977--
Plenum
New York, New York

AVLINE UPDATE

Virginia White, Technical Services Division, NLM

AVLINE PUBLICATION

The 1977 quarterly issues of *Current Catalog*, the first one of which will be available from GPO around the first of May, will contain separate sections of items cataloged for the AVLINE data base during the quarter. The AVLINE sections will consist of three parts:

Name Section - full entry including abstract, review data, and procurement information,

Subject Section - basic bibliographic citations and procurement information,

Procurement Section - full addresses and telephone numbers of distributors.

Unlike other sections of *Current Catalog*, the AVLINE sections will not appear as part of the annual publication, but will be cumulated separately. Plans for the annual AVLINE publication will be announced in the future.

AVLINE GROWTH

During the month of January, 1977, 295 citations were added to AVLINE. Topics covered by these audiovisuals include internal medicine (63 items), general practice (62 items), pediatrics (49 items), surgery (45 items), obstetrics and gynecology (37 items), and dentistry (16 items). 241 items were rated suitable for medical personnel; 136 for nursing; 43 for dental; and 117 for allied health. 105 of the items are productions of the Network for Continuing Medical Education.

As of February 1, AVLINE contained 2629 citations.

SHELFLISTING AV's AT NLM

In the past several months, NLM has devised a system for the shelflisting of audiovisuals. One of the major elements of this shelflisting process is a 2-letter code which appears just after the call number in the AVLINE record. The codes, which were formulated here from a variety of sources, describe in brief the actual physical format of the audiovisual item. A list of the media codes currently in use follows:

AC	Audiocassette
AT	Audiotape
CH	Chart
CA	Computer-aided-instruction

DC	Disc
DI	Diorama
FC	Filmstrip/cassette
FD	Filmstrip/disc
FL	Filmstrip
FS	Filmstrip
FT	Filmstrip/tape
GA	Game
HA	Flashcards
KT	Kit
MF	Microfiche
MI	Microfilm
MO	Models
MP8	Motion Picture (8 mm.)
MPs8	Motion Picture (super 8 mm.)
MP16	Motion Picture (16 mm.)
PI	Picture
PT	Programmed Text
RA	Realia
SC	Slide/cassette
SL	Slides
SM	Microscope slides
SS	Stereoscope slides
ST	Slide/tape
TR	Transparency
VC	Videocassette
VS	Videocassette/slide
VT1/4	Videotape (1/4 in.)
VT1/2	Videotape (1/2 in.)
VT3/4	Videotape (3/4 in.)
VT1	Videotape (1 in.)
VT2	Videotape (2 in.)

These codes reflect the physical item which NLM owns and will eventually shelve. This is particularly important in terms of our collection since often NLM will catalog a motion picture, but will have authorization to duplicate the item into videocassette format. In these cases, the medium designator in the title continuation field (TC) represents the media of the cataloged item available for loan or sale and the media code in the call number field (CA) represents the media type which NLM holds in its collection. Transparencies have also been transformed to slide format for easier handling, and the medium designator "transparency" appears in the TC field for these items, while the media code in the CA field is SL for slide.

These media codes were designed to serve NLM shelflisting purposes and may or may not be useful to the field as a whole.

list of monographs indexed

MARCH 77

A

Assessment of pharmacodynamic effects in human pharmacology -- Stuttgart, New York : Schattauer, 1975. pts. : ill. -- (Symposia medica Hoechst ; 10) ISBN 3-7945-0478-X (pt. 2) Symposium held in Mainz, Nov. 25-26, 1974. chairmen: H. Hipplius, H. J. Dengler. Summaries in English and German. CONTENTS. pt. 2. Non-invasive methods in cardiovascular human pharmacology.

1. Cardiovascular Diseases - drug therapy - congresses
2. Drug Evaluation - methods - congresses
3. Heart Function Tests - methods - congresses
4. Psychotropic Drugs - pharmacodynamics - congresses

I. Dengler, H. J. II. Hipplius, Hanns. III. Series
ISBN 3-7945-0478-X
04NLM: W3 SY1055 v.10 1974
0XNLM: [QV 77 A846 1974]
IM Cit. No. 7700293

C

Cancer : the behavioral dimensions / edited by J. W. Cullen, B. H. Fox, and R. N. Isom. -- New York : Raven Press, 1976. xvi, 390 p. : ill. Proceedings of a symposium called Cancer control and the behavioral sciences, held in San Antonio in January, 1975 by the Division of Cancer Control and Rehabilitation of the National Cancer Institute.

1. Attitude to Death - congresses
2. Attitude to Health - congresses
3. Behavior - congresses
4. Neoplasms - congresses

I. Cullen, Joseph Warren, ed. II. Fox, Bernard H., ed. III. Isom, R. N., ed. IV. National Cancer Institute. Division of Cancer Control and Rehabilitation. V. Title: Cancer control and the behavioral sciences VI. Title: Symposium on cancer : the behavioral dimensions
ISBN 0-89004-104-0 LC: 75-43192
04NLM: QZ 200 C2175 1975
IM Cit. No. 7613322

Coronary angiography and angina pectoris . symposium of the European Society of Cardiology, Hanover, March 1975 / edited by P. R. Lichtlen ; with contributions from E. L. Alderman ... [et al.] -- Stuttgart : Thieme, 1976. xix, 383 p. : ill.

1. Angina Pectoris - drug therapy - congresses
2. Calcium - antagonists & inhibitors - congresses
3. Coronary Disease - radiography - congresses
4. Coronary Vessels - radiography - congresses

I. Alderman, E. L., 1938-. II. Lichtlen, Paul, ed. III. European Society of Cardiology. IV. Title: Symposium on coronary angiography and angina pectoris
ISBN 3-13-534101-1
04NLM,01HMS: WG 300 C819 1975
IM Cit. No. 7700304

The Cutting edge : interfacial dynamics of cutting and grinding edited by Sholom Pearlman : proceedings of a symposium sponsored by American Association for the Advancement of Science and supported in part by National Institute of Dental Research and National Science Foundation. -- [Bethesda, Md.] : U. S. Dept. of Health, Education, and Welfare, Public Health Service, National Institutes of Health, 1976. vii, 256 p. : ill. -- (DHEW publication ; no. (NIH) 76-670) Symposium held in New York Jan. 27 1975.

1. Dental Instruments - congresses
2. Dentistry, Operative - congresses

I. Pearlman, Sholom, ed. II. American Association for the Advancement of Science. III. National Institute of Dental Research. IV. National Science Foundation. V. Title: Symposium on the cutting edge VI. Series
04NLM: WU 300 C991 1975
IM Cit. No. 7700436

H

Hormone binding and target cell activation in the

testis. Edited by Maria L. Dufau and Anthony R. Means. -- New York, Plenum Press (1974) vi, 371 p. -- (Current topics in molecular endocrinology, v. 1) Proceedings of the workshop conference held at Baylor College of Medicine, Houston, Texas, February 11-13 1974, and sponsored by the National Institute of Child Health and Human Development and the Baylor Center for Population Research and Reproductive Biology.

1. Binding Sites - congresses
2. Receptors, Hormone - congresses
3. Testis - metabolism - congresses

I. Dufau, Maria L., ed. II. Means, Anthony R., ed. III. Baylor Center for Population Research and Reproductive Biology. IV. National Institute of Child Health and Human Development. V. Title: Conference on hormone binding and target cell activation in the testis VI. Series
ISBN 0-306-34001-1 LC: 74-23709
04NLM: W1 CU82M v.1 1974
0XNLM,01HMS: [WJ 830 H812 1974] Cit. No. 7500624 (rev.) Price: 25.00

I

International Congress of Nephrology, 6th, Florence, 1975. Advances in nephrology : physiology, hypertension, renal diseases, renal failure, dialysis and transplantation : proceedings of the sixth International Congress of Nephrology, Florence, June 8-12, 1975 / editors, S. Giovannetti, V. Bonomini, and G. D'Amico. -- Basel ; New York : Karger, 1976. xiii, 768 p. : ill.

1. Kidney Diseases - congresses
2. Kidney - congresses

I. Bonomini, V., ed. II. D'Amico, G., ed. III. Giovannetti, S., ed. IV. Title
ISBN 3-8055-2287-8
04NLM: W3 IN446 1975a
0XNLM: [WJ 300 I59 1975a]
IM Cit. No. 7700288

International Heparin Symposium, King's College Hospital Medical School, 1975. Heparin : chemistry and clinical usage edited by V. V. Kakkar, D. P. Thomas. -- London ; New York : Academic Press, 1976. xv, 376 p. : ill.

1. Heparin - congresses
2. Heparin - therapeutic use - congresses

I. Kakkar, V. V., ed. II. Thomas, Duncan P., 1929-. III. King's College Hospital Medical School. IV. Title
ISBN 0-12-394750-2 LC: 76-10487
04NLM: QV 193 I604h 1975
IM Cit. No. 7700052

International Symposium on Immunoenzymatic Techniques, 1st, Paris, 1975. Immunoenzymatic techniques : proceedings of the 1st International Symposium on Immunoenzymatic Techniques, held in Paris, 2-4 April 1975 editors, G. Feldmann ... [et al.] -- Amsterdam : North-Holland ; New York : American Elsevier, 1976. xxvi, 509 p. : ill. -- (INSERM symposia ; no. 2) ISBN 0-444-11206-5 (American Elsevier)

1. Enzyme Tests - congresses
2. Immunoassay - congresses
3. Immunologic Technics - congresses

I. Feldmann, G., ed. II. Title III. Series
ISBN 0-444-11206-5 LC: 76-7438
04NLM: W3 I35 no.2 1975
0XNLM,01HMS: [QW 504 I611 1975I]
Cit. No. 7610489

O

Organic manifestations and complications in rheumatoid arthritis : symposium Hershstein, November 2nd-5th, 1975 / chairmen, R. Eberl, M. Rosenthal. -- Stuttgart ; New York : Schattauer, c1976. ix, 325 p. : ill. -- (Symposia medica Hoechst ; 11) Summaries in English and German.

1. Arthritis, Rheumatoid - diagnosis - congresses
2. Arthritis, Rheumatoid - complications - congresses

I. Eberl, R. II. Rosenthal, Moshe. III. Title: Symposium on organic manifestations and complications in rheumatoid arthritis IV. Series

ISBN 3-7945-0521-2 LC: 76-676-71
 04NLM: W3 SY1055 v.11 1975
 0XNLM: WE 346 068 1975]
 IM Cit. No. 7700501

Organizational research in hospitals : invitational forum, Northwestern University, May 1-2, 1975. Stephen M. Shortell, Montague Brown, editors. - Chicago : Blue Cross Assn., 1976. viii, 112 p. : ill. -- (An Inquiry book)
 1. Hospital Administration - U. S. - congresses
 2. Research - congresses I. Brown, Montague, ed. II. Shortell, Stephen M., ed. III. Northwestern University. IV. Title: Invitational forum on organizational research in hospitals

ISBN 0-914818-02-3 LC: 76-46140
 04NLM: WX 150 0701 1975
 IM Cit. No. 770034

S

Sexually transmitted diseases : proceedings of a conference sponsored jointly by the Royal Society of Medicine and the Royal Society of Medicine Foundation Inc., held at 1 Wimpole Street, London, 23-25 June 1975 ; edited by R. D. Catterall and C. S. Nicol. - London ; New York : Academic Press, 1976. 274 p. ill.
 1. Health Education - Gt. Brit. - congresses 2. Health Education - U. S. - congresses 3. Venereal Diseases - prevention & control - congresses I. Catterall, Robert Duncan, ed. II. Nicol, Claude Scott, ed. III. Royal Society of Medicine Foundation. IV. Royal Society of Medicine. V. Title: Anglo-American conference on sexually transmitted diseases VI. Title: Conference on sexually transmitted diseases
 ISBN 0-12-164150-3 LC: 75-46328
 04NLM: WC 140 S518 1975 Cit. No. 7700119

Symposium on the Development of Iron Chelators for Clinical Use, National Institutes of Health, 1975. Development of iron chelators for clinical use : proceedings of a symposium, September 22, 1975, Bethesda, Maryland : editors, W. French Anderson, Marilyn C. Hiller. - Bethesda, Md. : U. S. Dept. of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism, and Digestive Diseases, [1976?] 277 p. : ill. - (DHEW publication ; no. (NIE) 76-994)
 1. Iron Chelates - congresses I. Anderson, W. French, 1934- ed. II. Hiller, Marilyn C., ed. III. National Institute of Arthritis, Metabolism, and Digestive Diseases. IV. Title V. Series

04NLM: QV 183 S989d 1975
 IM Cit. No. 7700307

Symposium on Vascular Smooth Muscles, 2d, Tübingen, 1976. Ionic actions on vascular smooth muscle with special regard to brain vessels editor, E. Betz. - Berlin ; New York : Springer-Verlag, 1976. xvi, 158 p. : ill. First symposium called International Symposium on Vascular Smooth Muscle.
 1. Blood Vessels - drug effects - congresses 2. Cerebrovascular Circulation - drug effects - congresses 3. Ions - congresses 4. Muscle, Smooth - drug effects - congresses 5. Muscle, Smooth - physiology - congresses I. Betz, E., ed. II. International Symposium on Vascular Smooth Muscle, Tübingen, 1971. III. Title

ISBN 0-387-07836-3 LC: 76-25898
 04NLM: W3 SY732 1976i
 0XNLM: [WL 300 S994 1976i]
 IM Cit. No. 7700472

W

Workshop on Advances in IUDs, Battelle Seattle Research Center, 1973. Intrauterine devices; development, evaluation, and program implementation, edited by Robert G. Wheeler, Gordon W. Duncan [and] J. Joseph Spedel. - New York, Academic Press, 1974. xiv, 260 p. Organized

by the Battelle Population Study Center with support of grant (AID cad-2819) from the Office of Population, Agency for International Development.

1. Developing Countries - congresses 2. Intrauterine Devices - congresses I. Duncan, Gordon W., ed. II. Spedel, J. Joseph, ed. III. Wheeler, Robert G., ed. IV. Battelle Population Study Center. V. U. S. Agency for International Development. VI. Title
 ISBN 0-12-745550-7 LC: 74-16340
 04NLM: 01HMS: WP 830 W927i 1973

Cit. No. 0437114
 Price: NA

Literature Search Suggestion Form

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

1. Suggested Search Topic: _____

2. Reason(s) for suggesting this topic: _____

3. Limitations proposed (languages, age groups, time span, animal species, etc.):

4. Other pertinent information:

Suggested by: _____ Date

Affiliation



LIBRARY NETWORK / MEDLARS TECHNICAL BULLETIN

of the

Library Component of the Biomedical Communications Network

MARCH 1977

NO. 95

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

TECHNICAL NOTES

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

Whenever applicable, the heading of each Technical Note will include a reference to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with March citations on February 7th. The sizes, Index Medicus date ranges and entry dates are given below:

MEDLINE (Jan 75 - Mar 77)	615,286
(Entry dates 741205 to 770129)	
SDILINE (March 77)	20,390
(Entry dates 770125 to 770129)	

MEDLINE TITLES: List of Journals Indexed in Index Medicus, 1977

The separately published 1977 List of Journals Indexed in Index Medicus (LJI) may now be purchased from the Government Printing Office (GPO). This edition of the LJI represents the entire set of MEDLINE journal titles including the special list titles.

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

Order No.	Price
S/N 017-052-001779	\$2.70
	(\$3.40 foreign)

NAME AUTHORITY FILE CHANGES (Manual IX)

The NAME AUTHORITY FILE ("FILE NAME") can now be searched in the following additional ways: 1) All cross references (BX) are searchable by their print versions. Previously the non-print cross references (type Ø) were not searchable on-line. 2) All cross reference entry versions, except for those for type 5 ("see also"), are searchable. 3) The number for the type of "see" cross reference (such as Ø, 4, 6) is searchable directly by the number, followed by (BT). 4) The name and series print versions can be searched using text words by inputting a word from the name or

series, such as SOCIOBIOLOGY, followed by (TW). 5) The date of entry (DA) for records can be ranged. 6) A new type of cross reference will be added in the near future for American Library Association (ALA) forms of cross references, such as U. S. National Library of Medicine see National Library of Medicine. The number 6 will appear at the end of the BX field for ALA forms of cross references. 7) An additional note field will be added to the Name Records for distribution notes for audio-visual procurement sources. It is not searchable. 8) The series treatment code is directly searchable by inputting the number, such as 1, and (SC).

AVLINE, TEXT WORD SEARCHING (Manual XVII-6)

The title field in AVLINE can now be searched as text words (TW).

SEARCHING NUMERIC CHARACTERS (Manual III-16.3)

When searching for the occurrence of the numbers 1 and/or Ø either as textwords or stringsearching, users should consider searching the letters L and O also.

1977 ON-LINE TRAINING CLASSES

The new on-line services training curriculum includes instruction on all of the Library's on-line data bases in both the initial and advanced five day courses. The optional sixth day of instruction previously added to the advanced class will, therefore, no longer be necessary or offered.

Two additional classes have been added to the 1977 schedule as follows:

Aug 15 - 19	NLM	Initial
Dec 12 - 16	NLM	Advanced

SPECIAL LIST HEALTH CARE

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

NLM is engaged in an effort to expand its service to users whose interests lie in the field of health care delivery, - including health economics, planning, manpower, financing, organization, and management. As part of this effort, a new special list is being developed in MEDLINE, containing citations from some periodicals that specialize in these subjects and from others that contain occasional relevant articles of merit. This special list will begin with about sixty serial titles, and others will be added as additional candidates are screened. (See appendix A)

With the expansion of indexing coverage of these subjects, there is a need for introducing new terminology into MeSH to improve the precision and specificity of indexing and search. Some new entry terms and minor descriptors will be added in mid-1977. The introduction of new major descriptors will be deferred until 1978 MeSH to avoid introducing confusion in the way health care citations from Index Medicus journals are indexed in the 1977 Cumulated Index Medicus.

AUTOMATIC SDI PROGRAM AT THE NATIONAL LIBRARY OF MEDICINE

Carolyn Tilley, MEDLARS Management Section, NLM

Selective Dissemination of Information (SDI) or "current awareness" is a concept whereby physicians, researchers, teachers, health professionals, librarians, students, etc. make their particular subject interests known to information sources and the latest literature regarding their specified subject is periodically obtained and delivered to them. The Automatic SDI Service at NLM is a feature offered since August 1976 which allows MEDLINE and TOXLINE centers to store search formulations on the NLM computer. These stored searches can then be processed automatically by NLM against the current month's SDILINE or TOXLINE citations, with subsequent generation of off-line prints. To take advantage of this service, centers must store their searches at NLM using special naming conventions utilizing the STORESEARCH command (See Technical Bulletin No. 86, June 1976 or write to MEDLARS Management Section for instructions.) After storing searches, centers complete and return an Automatic SDI Request Form for each ID code under which the searches are stored. These searches are then processed automatically each month when the SDILINE or TOXLINE files are updated with the current month's citations and off-line prints containing citations are mailed to each participating center for eventual distribution to their requesters.

During the third and fourth weeks of September 1976, the first batches of Automatic searches were run for MEDLINE and TOXLINE users who had requested NLM to automatically process their stored searches each month for them. An older, experimental procedure which had been used during the previous year for foreign centers and Regional Medical Libraries began

to be phased out as the newer, more simplified procedures went into effect for use by all centers. In September 1976, over 1,600 searches were performed using both the old and new procedures for over 90 MEDLINE/TOXLINE centers. In February 1977, with more and more users requesting the Automatic SDI service, over 2,700 searches were processed for 119 centers.

Three different printing formats are offered for citations processed under these Automatic SDI procedures. In January 1977, a report was obtained on the preference of the printing formats, as follows:

SDILINE AUTOMATIC SDI's:

<u>Format</u>	<u>Percent Requested</u>	<u>Elements Printed</u>
Print Standard	75%	AU, TI, SO
Print Full	5%	AU, TI, LA, MH, SO, CI
Print Detailed	21%	AU, TI, SO, TT, LA, MH, AB, RP

TOXLINE AUTOMATIC SDI's:

<u>Format</u>	<u>Percent Requested</u>	<u>Elements Printed</u>
Print Standard	9%	SI, AU, TI, SO
Print Full	71%	SI, AU, TI, SO, AB
Print Detailed	20%	(Entire unit record)

Currently, NLM is considering adding re-print source to the "PRINT FULL" option for SDILINE Automatic SDI's.

ENVIRONMENTAL CONTAMINATION: A HEDGE

Miriam Gershfeld, Index Section, NLM

This hedge gives MeSH headings in the field of the chemical and physical pollution of the environment. Most of the terms are located mainly in Categories D and G.

As is customary in presenting hedges, a complete tree will not be reproduced here: the user of this hedge will have to refer directly to MeSH Tree Structures for an entire tree. When portions of a tree are applicable for explosion, they are given below with the authentic MeSH tree indentations. Some indentations in trees are omitted, however, as inapplicable to an environmental contamination search (e.g., STAPHYLOCOCCAL FOOD POISONING is not shown since this hedge is restricted to chemical and physical pollution). The form (explodable) is shown when a term contains indentations inapplicable here.

D5 - Environmental pollutants and pesticides:
see MeSH Tree Structures.

D26 - Carcinogens

Note that D5 contains a term, CARCINOGENS, ENVIRONMENTAL, with no indentations. The CARCINOGENS in D26 should be examined in a pollutant search because many of them, though environmental carcinogens, do not appear in D5.

CARCINOGENS

AFLATOXINS
O-AMINOAZOTOLUENE
ANTHRACENES
 BENZANTHRACENES
 9,10-DIMETHYL-1,2-BENZANTHRACENE
AZOXYMETHANE
BENZIDINES
 3,3'-DICHLOROBENZIDINE
CHLOROMETHYL METHYL ETHER
CYCASIN
 METHYL AZOXYMETHANOL ACETATE
DICHLOROMETHYL ETHER
DIMETHYLAMINOAZOBENZENE
 METHYLDIMETHYLAMINOAZOBENZENE
1,2 DIMETHYLHYDRAZINE
ETHIONINE
ETHYLENETHIOUREA
ETHYLNITROSUREA
FANFT
FLUORENES
 ACETYLAMINOFLUORENE
 ACETOXYACETYLAMINOFLUORENE
 2,7-DIACETYLAMINOFLUORENE
 HYDROXYACETYLAMINOFLUORENE
 4-HYDROXYAMINOQUINOLINE-1-OXIDE
 3-HYDROXYANTHRANILIC ACID
 METHYLCHOLANTHRENE
 METHYLENE BIS(CHLOROANILINE)
 METHYLNITRONITROSOGUANIDINE
 METHYLNITROSUREA
 1-NAPHTHYLAMINE
 2-NAPHTHYLAMINE
 4-NITROQUINOLINE-1-OXIDE

NITROSAMINES

BUTYLHYDROXYBUTYLNITROSAMINE
DIETHYLNITROSAMINE
DIMETHYLNITROSAMINE
NITROSOMETHYLURETHANE

PATULIN

PENICILLIC ACID

PHORBOLS

PHORBOL ESTERS

 TETRADECANOYLPHORBOL ACETATE

PROPIOLACTONE

PYRENES

 BENZOPYRENES

PYRROLIZIDINE ALKALOIDS

SAFROLE

THIOACETAMIDE

VINYL CHLORIDE

CAUSTICS

CHEMICAL WARFARE AGENTS

 CHLOROPICRIN

 MUSTARD GAS

 PHOSGENE

DETERGENTS (explodable)

FLAVORING AGENTS (explodable)

FOOD ADDITIVES (explodable)

 FOOD COLORING AGENTS (explodable)

 FOOD PRESERVATIVES (explodable)

SOLVENTS

TEAR GASES

 CHLOROACETOPHENONE

G2 - Here are the specialties in the health professions concerned with the results of environmental contamination and their prevention. The emphasis here is on the heading as a specialty. Where indicated, there are many specific breakdowns of the specialty, useful in a search. They should be perused in an environmental contamination or pollution search for pertinent concepts.

ENVIRONMENTAL HEALTH

 HEALTH PHYSICS

 SANITARY ENGINEERING (explodable in G3)

 SANITATION (explodable in G3)

INDUSTRIAL DENTISTRY

PREVENTIVE DENTISTRY

INDUSTRIAL NURSING

PREVENTIVE MEDICINE (explodable in G3)

 INDUSTRIAL MEDICINE

TOXICOLOGY

G3 - The terms in G3 for the physical environment (LIGHT, HEAT, etc.) are not reproduced here, again in the interests of saving space. What follows are those headings important in searches on environmental pollutions.

As above, the groupings are in an arbitrary order but the indentions are authentic MeSH indentions.

ENVIRONMENTAL POLLUTION
 AIR POLLUTION
 AIR POLLUTION, RADIOACTIVE
 AUTOMOBILE EXHAUST
 DUST
 SMOG
 SMOKE
 ENVIRONMENTAL EXPOSURE
 MAXIMUM PERMISSIBLE EXPOSURE LEVEL
 FOOD CONTAMINATION
 FOOD CONTAMINATION, RADIOACTIVE
 NOISE
 PESTICIDE RESIDUES
 WASTE PRODUCTS (NON MESH)
 INDUSTRIAL WASTE
 RADIOACTIVE WASTE
 SEWAGE
 WASTE DISPOSAL, FLUID
 WATER POLLUTION
 WATER POLLUTION, CHEMICAL
 WATER POLLUTION, RADIOACTIVE
 WATER POLLUTION, THERMAL
 RADIOLOGIC HEALTH (NON MESH)
 AIR POLLUTION, RADIOACTIVE
 FOOD CONTAMINATION, RADIOACTIVE
 RADIATION DOSAGE
 DOSE-RESPONSE RELATIONSHIP, RADIATION
 RELATIVE BIOLOGICAL EFFECTIVENESS
 RADIATION EFFECTS
 RADIATION GENETICS
 RADIATION INJURIES
 RADIATION INJURIES, EXPERIMENTAL
 RADIATION MONITORING
 BODY BURDEN
 FILM BADGE
 THERMOLUMINESCENT DOSIMETRY
 RADIATION PROTECTION
 RADIOACTIVE FALLOUT
 RADIOACTIVE WASTE
 WATER POLLUTION, RADIOACTIVE
 Miscellaneous related terms:
 DECONTAMINATION (G3)
 ECOLOGY (G1)
 EUTROPHICATION (G4)
 ODORS (G3)
 REFUSE DISPOSAL (G3)
 GARBAGE

Diseases resulting from environmental contamination are located mainly in Trees C20 and C21.

C20 - HYPERSENSITIVITY
 DERMATITIS, CONTACT
 RESPIRATORY HYPERSENSITIVITY
 ASTHMA
 ALVEOLITIS, EXTRINSIC ALLERGIC
 BIRD FANCIER'S LUNG
 FARMER'S LUNG
 HAY FEVER

C21 - OCCUPATIONAL DISEASES
 AGRICULTURAL WORKERS' DISEASES
 FARMER'S LUNG
 SILO FILLER'S DISEASE
 BIRD FANCIER'S LUNG
 INERT GAS NARCOSIS
 LABORATORY INFECTION
 LEAD POISONING
 OCCUPATIONAL DERMATITIS
 PNEUMOCONIOSIS
 ASBESTOSIS
 BAGASSOSIS
 BYSINNOSIS
 CAPLAN'S SYNDROME
 SILICOSIS
 ANTHRACOSILICOSIS
 SILICOTUBERCULOSIS

POISONING
 CADMIUM POISONING
 CARBON TETRACHLORIDE POISONING
 FLUORIDE POISONING
 FOOD POISONING (explosible)
 GAS POISONING
 CARBON MONOXIDE POISONING
 ILLUMINATING GAS POISONING
 INERT GAS NARCOSIS
 LEAD POISONING
 MERCURY POISONING
 RADIATION INJURIES
 LEUKEMIA, RADIATION-INDUCED
 NEOPLASMS, RADIATION-INDUCED
 OSTEORADIONECROSIS
 RADIATION INJURIES, EXPERIMENTAL
 RADIODERMATITIS

ACOUSTIC TRAUMA
 ASPHYXIA
 BLAST INJURIES
 BURNS, CHEMICAL
 BURNS, INHALATION

E7 - In this tree are located equipment and devices for protection from and detection of contamination:
 PROTECTIVE DEVICES
 EAR PROTECTIVE DEVICES
 EYE PROTECTIVE DEVICES
 HEAD PROTECTIVE DEVICES
 MASKS
 MOUTH PROTECTORS
 RESPIRATORY PROTECTIVE DEVICES
 PROTECTIVE CLOTHING
 RADIATION DETECTION EQUIPMENT (NON MESH)
 FILM BADGE
 GEIGER-MUELLER COUNTER
 SCINTILLATION COUNTERS
 WHOLE BODY COUNTERS

H1 - In this tree are the radiation terms useful in an environmental pollution search. Compare the MeSH indentions here under RADIATION MONITORING with those reproduced from MeSH under RADIATION MONITORING in G3 above.
MICROWAVES

RADIATION
RADIATION, IONIZING
ALPHA PARTICLES
BACKGROUND RADIATION
CATHODE RAYS
COSMIC RADIATION
GAMMA RAYS
X-RAYS

RADIOMETRY
RADIATION DOSAGE
DOSE-RESPONSE RELATIONSHIP, RADIATION

RADIATION MONITORING
BODY BURDEN
FILM BADGE
GEIGER-MUELLER COUNTER
THERMOLUMINESCENT DOSIMETRY
SCINTILLATION COUNTERS
WHOLE BODY COUNTERS

LEUKEMIA: A HEDGE

Anna Weiss, Index Section, NLM

The hedge below is grouped not by category but, instead, by related concepts.

1. The leukemias and related states:

LEUKEMIA (exploded) (C4)
PRELEUKEMIA (C4, C15)

LEUKEMOID REACTION (C15)

NEOPLASM METASTASIS (C4)
LYMPHATIC METASTASIS (C4)

2. Hematological concepts significant in leukemia:

Category A: BLOOD PLATELETS
BONE MARROW CELLS
HEMATOPOIETIC STEM CELLS
ERYTHROCYTES
ERYTHROBLASTS
HEMOGLOBIN
HEMATOPOIETIC SYSTEM
LEUKOCYTES
RETICULOCYTES

Category E: BLOOD CELL COUNT
ERYTHROCYTE COUNT
LEUKOCYTE COUNT
BONE MARROW EXAMINATION
HEMATOCRIT
HEMOGLOBINOMETRY
OCCULT BLOOD

BLOOD TRANSFUSION
PLASMAPHERESIS

Category G: BLOOD-BRAIN BARRIER (in brain leukemia)
CHROMOSOME ABERRATIONS (the Philadelphia chromosome appears often in chronic myelocytic leukemia articles)
HEMATOPOIESIS

3. Common complications of the various types of leukemia (the arrangement here is largely alphabetical):

ANEMIA, HEMOLYTIC, AUTOIMMUNE
ASTHENIA
HEART FAILURE, CONGESTIVE
HEMORRHAGE
CEREBRAL HEMORRHAGE
EPISTAXIS
HEMORRHAGE, GASTROINTESTINAL
HEPATOMEGALY
HYPOGAMMAGLOBULINEMIA
INFECTION (particularly BACTERIAL INFECTIONS, HERPES ZOSTER AND CHICKENPOX)
LIVER CIRRHOSIS
MYOCARDIAL INFARCT
NEUROLOGICAL MANIFESTATIONS and specific terms in C10
PAIN
PNEUMONIA
SPLENOMEGALY
THROMBOSIS

The lowered immunity in leukemia gives rise to adverse reactions to vaccines, especially SMALLPOX BACCINE and to INSECT BITES AND STINGS.

4. Category D22: ANTINEOPLASTIC AGENTS (exploded)

5. Category D24: ANTIGENS, NEOPLASM ANTIBODIES, NEOPLASM

6. In the therapeutic milieu, the following terms are useful:

PATIENT ISOLATION
PATIENT ISOLATORS
TERMINAL CARE

ADVANCED ON-LINE SERVICES TRAINING CLASS AT ATLANTA, GEORGIA

February 28 - March 4, 1977

Deborah L. Bliss - University of Alabama in Birmingham Birmingham, Alabama	Geraldine Palmer - University of Tennessee Memphis, Tennessee
Letitia Eubank - Center for Disease Control Atlanta, Georgia	Nena Perry - Emory University Atlanta, Georgia
Margaret B. Horacek - University of South Florida Tampa, Florida	William G. Pollard, III - University of Alabama in Huntsville Huntsville, Alabama
Elaine Keefer - University of South Alabama Mobile, Alabama	Robert K. Poyer - Medical University of South Carolina Charleston, South Carolina
R. Thomas Lange, Jr. - University of South Carolina Columbia, South Carolina	Barbara Seely - Merck, Sharp and Dohme West Point, Pennsylvania
James C. Myers - Florida State University Tallahassee, Florida	Julia Speakes - University of Mississippi Jackson, Mississippi
Mabel S. Norton - Veterans Administration Hospital Atlanta, Georgia	

ADVANCED ON-LINE SERVICES TRAINING CLASS AT NLM

March 7 - 11, 1977

Sharon Butler - Vanderbilt University Nashville, Tennessee	Catherine Orme - Cornell University New York, New York
Barbara Epstein - University of Pittsburgh Pittsburgh, Pennsylvania	Stanley Ozog - The Chemists' Club New York, New York
Jacques Halpern - INSERM Paris, France	Ronald Rader - Gillette Medical Evaluation Laboratories Rockville, Maryland
Laura Huff - The Pennsylvania State University Hershey, Pennsylvania	Robert Sekerak - The University of Vermont Burlington, Vermont
Ann Jefferson - Hartford Hospital Hartford, Connecticut	Robin Strickler - Walter Reed Army Medical Center Washington, DC
Shelia Larsen - University of Nebraska Medical Center Omaha, Nebraska	James Tchobanoff - The Pillsbury Company Minneapolis, Minnesota
Carolyn Lipscomb - The University of North Carolina at Chapel Hill Chapel Hill, North Carolina	Valerie Tucci - Air Products & Chemicals, Inc. Allentown, Pennsylvania
Elaine O'Connor - Earl K. Long Hospital Baton Rouge, Louisiana	Nancy Utterback - Veterans Administration Center Fargo, North Dakota

NEW SERIALS ANNOUNCEMENT - FEBRUARY 1977

Serials Records, Technical Services Division, NLM

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

- ADVANCES IN HEART DISEASE
1, 1977--
Grune and Stratton
New York, New York
- ANTI-DIURETIC HORMONE
1, 1976--
Eden Press
St. Louis, Missouri
- AUSTRALIAN AUTISM REVIEW
1, 1975--
Autistic Children's Association of New
South Wales
Chatswood, Australia
- ENDOMETRIUM: A REVIEW OF THE WORLD LITERATURE
1976--
Scientia Press
Richland, Michigan
- ENVIRONMENTAL MANAGEMENT
1, 1976--
Springer-Verlag
Berlin, Germany
- HEALTH LABOR RELATIONS REPORTS
1, 1976--
Plus Publications
Washington, D.C.
- HEALTH SCIENCES VIDEO DIRECTORY
1, 1977--
Shelter Books
New York, New York
- HERZ KARDIOVASKULAERE ERKRANKUNGEN
1, 1976--
Urban and Schwarzenberg
Muenchen, West Germany
- HISTORICAL STUDIES IN THE LIFE SCIENCES
1, 1977--
Johns Hopkins University Press
Baltimore, Maryland
- JOURNAL OF EGYPTIAN ASSOCIATION OF PHYSICAL
MEDICINE AND REHABILITATION
1, 1973--
Egyptian Association of Physical Medicine
and Rehabilitation
Cairo, Egypt
- JOURNAL DES MALADIES VASCULAIRES
1, 1976?--
Masson et Cie
Paris, France
- MEDIZIN IN UNSERER ZEIT
1, 1977--
Verlag Chemie
Weinheim, Germany
- NATIONAL HEALTH DIRECTORY
1977--
Science and Health Communications Group
Washington, D.C.
- NOUVEAU JOURNAL DE CHIMIE
1, 1977--
CDR Dunod/Gauthier-Villars
Paris, France
- NURSING ADMINISTRATION QUARTERLY
1, 1976--
Aspen Systems Corporation
Germantown, Maryland
- ONCOLOGY ABSTRACTS
1, 1977--
Pilot issue Sept 1976
Information Retrieval
Arlington, Virginia
- OPHTHALMOLOGY SERIES
1, 1977--
Marcel Dekker
New York, New York
- PATIENT CARE REVIEW
1, 1975--
Illinois Hospital Association
Oak Brook, Illinois
- PSYCHIATRIC JOURNAL OF THE UNIVERSITY OF OTTAWA.
REVUE DE PSYCHIATRIE DE L UNIVERSITE D OTTAWA
1, 1977--
Dept. of Psychiatry, Faculty of Medicine
Ottawa, Canada
- PSYCHOPHARMACOLOGY
1, 1976--
Marcel Dekker
New York, New York
- REVISTA DE LA SOCIEDAD ODONTOLOGICA JALISCIENSE
1, 1975--
Sociedad Odontologica Jalisciense
Guadalajara, Mexico
- SHINSHIN IGAKU. JAPANESE JOURNAL OF PSYCHOSOMATIC
MEDICINE
16N87, 1976--
Cont of Seishin Shintai Igaku
Japanese Society of Psychosomatic Medicine
Tokyo, Japan
- TOPICS IN ANTIBIOTIC CHEMISTRY
1, 1977--
Horwood
Chichester, England

MONOGRAPHS INDEXED IN INDEX MEDICUS

APRIL 1977

B

Blood and arterial wall in atherogenesis and arterial thrombosis ... The Hague 11/12 June 1974 / edited by J. G. A. J. Hautvast, R. J. J. Hermus, F. van der Haar. -- Leiden : E. J. Brill, 1975. viii, 150 p. : ill. -- (IFMA scientific symposia ; no. 4) Held under the auspices of the International Federation of Margarine Associations. Third IFMA published unnumbered and cataloged under title: Margarine today.

1. Arteriosclerosis - congresses 2. Fatty Acids - congresses 3. Lipoproteins - metabolism - congresses 4. Lipoproteins - blood - congresses 5. Thrombosis - congresses I. Haar, F. van der, ed. II. Hautvast, J. G. A. J., ed. III. Hermus, R. J. J., ed. IV. International Federation of Margarine Associations. V. Margarine today. VI. Series

ISBN 90-04-04224-5

04NLM: W3 1328 no.4 1974

0XNLM: [WG 550 B655 1974]

IM

Cit. No. 7700861

Brook Lodge Conference on Lung Cells in Disease, Augusta, Mich., 1976. Lung cells in disease : proceedings of a Brook Lodge Conference, Augusta, Michigan, April 21-23, 1976 / editor, Arend Bouhuys. -- Amsterdam ; New York : North-Holland ; New York : distributed in the U. S. A. and Canada by Elsevier/North-Holland, 1976. xiv, 350 p. : ill. Sponsored by the Upjohn Company. Includes bibliographies.

1. Lung Diseases - physiopathology - congresses 2. Lung - cytology - congresses I. Bouhuys, Arend, ed. II. Title

ISBN 0-7204-0889-0

04NLM: WF 600 B871L 1976

IM

Cit. No. 7701292

C

Cancer chemotherapy / Alan C. Sartorelli, editor. -- Washington : American Chemical Society, 1976. x, 126 p. : ill. -- (ACS symposium series ; 30) Symposium held at the 169th meeting of the American Chemical Society, Philadelphia, Pa., Apr. 7, 1975, and sponsored by the Division of Medicinal Chemistry.

1. Antineoplastic Agents - therapeutic use - congresses 2. Neoplasms - drug therapy - congresses I. Sartorelli, Alan C., ed. II. American Chemical Society. Division of Medicinal Chemistry. III. American Chemical Society. IV. Title: Symposium on cancer chemotherapy V. Series

ISBN 0-8412-0336-9

04NLM: QZ 287 C215 1975

IM

Cit. No. 7700296

I

International Conference on Membrane Lung Technology and Prolonged Extracorporeal Perfusion, Rungstedgaard, Denmark, 1975. Artificial lungs for acute respiratory failure : theory and practice / edited by Warren M. Zapol and Jesper Qvist. -- New York : Academic Press, 1976. xii, 557 p. : ill. ISBN 0-12-775450-4 (Academic Press) Consists of selected proceedings of the conference and additional invited papers.

1. Artificial Organs - congresses 2. Extracorporeal Circulation - congresses 3. Lung - surgery - congresses 4. Membranes, Artificial - congresses 5. Respiratory Insufficiency - therapy - congresses I. Qvist, Jesper, 1941- ed. II. Zapol, Warren M., 1942- ed. III. Title

ISBN 0-12-775450-4

LC: 76-17594

04NLM: WF 668 I61a 1975

IM

Cit. No. 7700566

International Symposium on Aging Gametes, Seattle, 1973. Aging gametes: their biology and pathology. Proceedings of the International Symposium on Aging Gametes, Seattle, Wash., June 13-16, 1973. Editor: R. J. Blandau. -- Basel,

New York, Karger [c1975] x, 415 p. illus., ports.

1. Aging - congresses 2. Fertilization - congresses 3. Germ Cells - congresses I. Blandau, Richard J., ed. II. Title III. Title: Proceedings of the International Symposium on Aging Gametes

ISBN 3-8055-1842-0

04NLM: WQ 205 I616a 1973

IM

Cit. No. 7504579

International Symposium on Problems of Chronic Hepatitis, Montecatini Terme, Italy, 1975. Chronic hepatitis : International Symposium on Problems of Chronic Hepatitis, Montecatini Terme, April 10-12, 1975 / editors, Paolo Gentilini, Hans Popper, and Ugo Teodori. -- Basel ; New York : Karger, 1976. vii, 205 p. : ill.

1. Hepatitis - congresses I. Gentilini, Paolo, ed. II. Popper, Hans Philipp, 1903- ed. III. Teodori, Ugo, ed. IV. Title

ISBN 3-8055-2321-1

04NLM: 01HMS: WI 703 I58c 1975

IM

Cit. No. 7700300

International Symposium on Vascular Neuroeffector Mechanisms, 2d, Odense, Denmark, 1975. Vascular neuroeffector mechanisms : second International Symposium on Vascular Neuroeffector Mechanisms, Odense, July 29 to August 1, 1975 / editors, J. A. Bevan ... [et al.]. -- Basel ; New York : Karger, 1976. vi, 260 p. : ill. Symposium held in conjunction with the 6th International Congress of Pharmacology. 1st symposium called Symposium on the Physiology and the Pharmacology of Vascular Neuroeffector Systems.

1. Neuroeffector Junction - congresses 2. Neurosecretion - congresses 3. Vasomotor System - physiology - congresses 4. Vasomotor System - physiopathology - congresses I. Bevan, John A., ed. II. International Congress on Pharmacology, 6th, Helsinki, 1975. III. Symposium on the Physiology and the Pharmacology of Vascular Neuroeffector Systems, Interlaken, Switzerland, 1969. IV. Title

ISBN 3-8055-2325-4

04NLM: W3 IN924XC 1975v

0XNLM: [WG 102 I625 1975v]

IM

Cit. No. 7700387

L

Lipid absorption : biochemical and clinical aspects ; proceedings of an international conference held at Titisee, the Black Forest, Germany, May 1975 / edited by K. Rommel and H. Goebell, co-editor, R. Böhmer. -- Baltimore : University Park Press, c1976. xi, 352 p. : ill.

1. Intestinal Absorption - congresses 2. Lipids - metabolism - congresses I. Böhmer, R., ed. II. Goebell, H., ed. III. Rommel, K., ed.

IV. Title: International conference on lipid absorption

ISBN 0-8391-0933-4

LC: 76-7532

04NLM: QU 85 L761 1975

IM

Cit. No. 7700632

M

Molecular base of malignancy : new clinical and therapeutic evidence : selected papers from an international symposium / edited by E. Deutsch ... [et al.] ; with contributions by D. Adler ... [et al.]. -- Stuttgart : Thieme, 1976. xi, 285 p. : ill. Symposium organized by the Wiener Medizinische Akademie.

1. Carcinogenesis 2. Molecular Biology - congresses 3. Neoplasms - therapy - congresses 4. Oncogenic Viruses - pathogenicity - congresses I. Adler, D. II. Deutsch, Erwin, ed. III. Wiener Medizinische Akademie. IV. Title: International symposium on molecular base of malignancy

ISBN 3-13-523301-4

04NLM: QZ 202 M718 1976

IM

Cit. No. 7700341

Multiple myeloma and related immunoglobulin-producing neoplasms / edited by

N. L. Warner, M. Potter and D. Metcalf. -- Geneva : International Union Against Cancer, 1974. 88 p. : ill. -- (UICC technical report series ; v. 13) Workshops on the biology of human cancer report, no. 1. Workshop held in Geneva in April 1974.
1. B-Lymphocytes - congresses 2. Multiple Myeloma - congresses I. Metcalf, Donald, ed. II. Potter, Michael, 1924- ed. III. Warner, N. L., ed. IV. Title: Workshop on multiple myeloma and related immunoglobulin-producing neoplasms V. Series VI. Series: Workshops on the biology of human cancer report ; no. 1

04NLM: W1 U413 v.13 1974
0XNLM: [WH 540 M963 1974]

IM Cit. No. 7610840

O

"Oholo" Biological Conference, 20th, Ma'alot, Israel, 1975. Air pollution and the lung : proceedings of the twentieth annual "OHOLO" Biological Conference, Ma'alot, Israel, March 16-19, 1975 / edited by Ephraim F. Aharonson, Amnon Ben-David, and Marcus A. Klingberg. -- New York : Wiley, c1976. xii, 313 p. : ill. -- (Halsted Press book) Organized and sponsored by the Israel Institute for Biological Research.

1. Air Pollution - congresses 2. Respiratory Tract Diseases - etiology - congresses I. Aharonson, Ephraim F., ed. II. Ben-David, Amnon, ed. III. Klingberg, Marcus A., ed. IV. Israel Institute for Biological Research. V. Title

ISBN 0-470-15049-1
04NLM: W3 O12 1975a
0XNLM: [WA 754 O11 1975a]

LC: 76-3488

IM Cit. No. 7700703

S

Schizophrenia Workshop, Capri, 1975. Schizophrenia today / edited by D. Kemali, G. Bartholini and D. Richter. -- 1st ed. -- Oxford ; New York : Pergamon, c1976. xv, 282 p. : ill.

1. Schizophrenia - congresses I. Bartholini, G., ed. II. Kemali, D., ed. III. Richter, Derek, ed. IV. Title

ISBN 0-08-020928-9
04NLM: WM 203 S3396s 1975

LC: 76-19215

IM Cit. No. 7700986

Society for the Study of Inborn Errors of Metabolism. Inborn errors of calcium and bone metabolism : monograph based upon proceedings of the twelfth symposium of the Society for the Study of Inborn Errors of Metabolism / edited by H. Bickel and J. Stern. -- Baltimore : University Park Press, c1976. xvii, 373 p. : ill. Symposium held in 1974.

1. Bone and Bones - metabolism - congresses 2. Bone Diseases - familial & genetic - congresses 3. Calcium Metabolism Disorders - congresses 4. Metabolism, Inborn Errors - congresses I. Bickel, H., ed. II. Stern, J., ed. III. Title

ISBN 0-8391-0653-2
04NLM: WE 250 S6781 1974

LC: 76-6502

IM Cit. No. 7700614

Steroid hormone action and cancer / edited by K. M. J. Menon and Jerry R. Reel. -- New York : Plenum Press, c1976. viii, 182 p. : ill. -- (Current topics in molecular endocrinology ; v. 4) Proceedings of a symposium held at the University of Michigan, Ann Arbor, October 27-29, 1975; sponsored by the Dept. of Postgraduate Medicine and Health Professions Education of the university.

1. Neoplasms - drug therapy - congresses 2. Steroids - therapeutic use - congresses 3. Steroids - pharmacodynamics - congresses I. Menon, K. M. J., ed. II. Reel, Jerry R., ed. III. University of Michigan. Dept. of Postgraduate Medicine and Health Professions Education. IV. Title: Symposium on steroid hormone action and cancer

ISBN 0-306-34004-6

LC: 76-25873

04NLM: W1 CU82M v.4 1976
0XNLM: [QZ 267 S839 1976]

IM

Cit. No. 7700532

Symposium de cancérologie, 7th, Université Laval, 1976. Immunocancerology in solid tumors : septième Symposium de cancérologie, Faculté de médecine de l'Université Laval / edited by Marcel Martin, Louis Dionne. -- New York : Stratton Intercontinental Medical Book Corp., c1976. ix, 182 p. : ill. -- (Symposia specialists medical books)

1. Immunotherapy - congresses 2. Neoplasms - therapy - congresses 3. Neoplasms - immunology - congresses I. Dionne, Louis, ed. II. Martin, Marcel, ed. III. Université Laval. Faculté de Médecine. IV. Title V. Title: Symposium on immunocancerology in solid tumors

ISBN 0-88372-068-8

LC: 76-28931

04NLM: W3 SY332 1976i

0XNLM: [QZ 200 S977 1976i]

IM

Cit. No. 7700613

Symposium on Subcellular Mechanisms in Reproductive Neuroendocrinology, Jamaica Plain, Mass., 1975. Subcellular mechanisms in reproductive neuroendocrinology / edited by F. Naftolin and K. J. Ryan and I. J. Davies. -- Amsterdam ; New York : Elsevier Scientific Pub. Co., 1976. xii, 529 p. : ill. Sponsored by the Dept. of Obstetrics and Gynecology and the Laboratory for Human Reproduction and Reproductive Biology, Harvard Medical School.

1. Endocrine Glands - metabolism - congresses 2. Nervous System - metabolism - congresses 3. Reproduction - congresses I. Davies, I. John, ed. II. Naftolin, F., ed. III. Ryan, Kenneth J., 1926- ed. IV. Harvard Medical School. Dept. of Obstetrics and Gynecology. V. Harvard Medical School. Laboratory for Human Reproduction and Reproductive Biology. VI. Title

ISBN 0-444-41442-8

LC: 76-877159

04NLM,01HMS: WQ 205 S991s 1975

IM

Cit. No. 7700381

Symposium on Transmission of Immunoglobulins from Mother to Young, Bangor, Wales, 1974. Maternofoetal transmission of immunoglobulins: the proceedings of a symposium on transmission of immunoglobulins from mother to young / edited by W. A. Hemmings. -- London ; New York : Cambridge Univ. Press, 1976. xix, 461 p. : ill., ports.

-- (Clinical and experimental immunoreproduction ; 2)
1. Immunoglobulins - congresses 2. Maternal-Fetal Exchange - congresses I. Hemmings, W. A., ed. II. Title III. Series

ISBN 0-521-20747-9

LC: 75-2721

04NLM: W3 C162G v.2 1974

01HMS: QH 481 C641 v.2 1974

0XNLM: [QW 570 S9893m 1974]

IM

Cit. No. 7700337

Chicago Symposium on Neural Trauma, 2d, 1975. Head injuries : proceedings of the second Chicago Symposium on Neural Trauma / edited by Robert L. McLaurin. -- New York : Grune & Stratton, 1976. xiii, 301 p. : ill. -- Symposium held at the University of Chicago Center for Continuing Education, Mar. 21-23, 1975. 1st meeting called Head Injury Conference.

1. Head Injuries - congresses I. McLaurin, Robert L., 1922- ed. II. Head Injury Conference, 1st, University of Chicago, 1966. III. University of Chicago. Center for Continuing Education. IV. Title

04NLM: W3 C155E 1975h 1975

0XNLM: [WE 705 C532 1975h]

IM

SPECIAL LIST HEALTH CARE
A PARTIAL LIST OF TITLES INDEXED

APPENDIX A

ADMINISTRATIVE SCIENCE QUARTERLY
1, 1956-- ITHACA
CORNELL UNIVERSITY. GRADUATE SCHOOL OF BUSINESS AND PUBLIC
ADMINISTRATION
INDEXES: VOLS. 1-12, 1956-68.
W1 AD347 ISSN 0001-8392

AHME JOURNAL
3, 1970-- ARLINGTON
ASSOCIATION FOR HOSPITAL MEDICAL EDUCATION
CONT OF AHME NEWSLETTER
W1 A1155E ISSN 0090-7782

AMERICAN ARCHIVES OF REHABILITATION THERAPY
1, 1953-- PARAMUS NJ
AMERICAN ASSOCIATION FOR REHABILITATION THERAPY
W1 AM175 ISSN 0002-7324

AMERICAN BEHAVIORAL SCIENTIST
4, 1960-- BEVERLY HILLS
SAGE PUBLICATIONS
CONT OF PROD. POLITICAL RESEARCH. ORGANIZATION AND DESIGN
W1 AM281L ISSN 0002-7642

AMERICAN JOURNAL OF ECONOMICS AND SOCIOLOGY
1, 1941-- NEW YORK
AMERICAN JOURNAL OF ECONOMICS AND SOCIOLOGY
W1 AM45V ISSN 0002-9246

AMERICAN JOURNAL OF HEALTH PLANNING
1, 1976-- ALEXANDRIA VA
AMERICAN ASSOCIATION FOR COMPREHENSIVE HEALTH PLANNING
W1 AM452H ISSN

AMERICAN JOURNAL OF PHARMACEUTICAL EDUCATION
1, 1937-- LINCOLN
AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY
W1 AM498C ISSN 0002-9459

BIOMEDICAL COMMUNICATIONS
1, 1973-- NEW YORK
UNITED BUSINESS PUBLICATIONS
W1 BI85D ISSN 0092-8607

BLUE CROSS ASSOCIATION RESEARCH SERIES
12, 1974-- CHICAGO
BLUE CROSS ASSOCIATION
CONT OF BLUE CROSS REPORTS; RESEARCH SERIES
W1 BL89T ISSN 0095-6740

BULLETIN OF THE AMERICAN COLLEGE OF PHYSICIANS
1, 1960-- PHILADELPHIA
AMERICAN COLLEGE OF PHYSICIANS
W1 BU8412 ISSN 0002-8010

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PAGE 2

BULLETIN OF THE AMERICAN COLLEGE OF SURGEONS
1, 1916-- CHICAGO
AMERICAN COLLEGE OF SURGEONS
W1 BU8413 ISSN 0002-8045

BULLETIN; AMERICAN PROTESTANT HOSPITAL ASSOCIATION
1, 1936-- CHICAGO
AMERICAN PROTESTANT HOSPITAL ASSOCIATION
W1 BU481P ISSN 0003-0635

CANADAS MENTAL HEALTH
1, 1953-- OTTAWA
CANADA. DEPARTMENT OF NATIONAL HEALTH AND WELFARE
W1 CA492 ISSN 0008-2791

CANADIAN JOURNAL OF HOSPITAL PHARMACY
22, 1969-- WESTON CANADA
CANADIAN SOCIETY OF HOSPITAL PHARMACISTS
CONT OF HOSPITAL PHARMACIST
W1 CA59 ISSN 0008-4123

CANADIAN JOURNAL OF OCCUPATIONAL THERAPY
1, 1933-3, 1937; 6N2, 1939-- TORONTO
CANADIAN ASSOCIATION OF OCCUPATIONAL THERAPY
ISSUED APR. 1937-APR 1939 AS THE CANADIAN JOURNAL OF OCCUPATIONAL
THERAPY AND PHYSIOTHERAPY. CALLED ALSO 1973-- REVUE CANADIENNE D
EGOTHERAPIE
W1 CA597 ISSN 0008-4174

CLINICAL ENGINEERING NEWS
2, 1974-- ARLINGTON
ASSOCIATION FOR THE ADVANCEMENT OF MEDICAL INSTRUMENTATION
CONT OF CLINICAL ENGINEERING NEWSLETTER.
W1 CL696D ISSN

CLINICAL RESEARCH
6, 1958-- NEW YORK
AMERICAN FEDERATION FOR CLINICAL RESEARCH
CONT OF CLINICAL RESEARCH PROCEEDINGS
W1 CL778 ISSN 0009-9279

CONSUMER REPORTS
7, 1942-- MOUNT VERNON NY
CONSUMER REPORTS
CONT OF CONSUMERS UNION REPORTS. ABSORBED BREAD AND BUTTER IN APR.
1947.
W1 C0755K ISSN 0010-7174

CROSS-REFERENCE: MANPOWER, EDUCATION, CAREERS
1, 1971-- CHICAGO
AMERICAN HOSPITAL ASSOCIATION
SUPERSEDES CROSS-REFERENCE ON CAREERS
W1 CR34R ISSN 0045-9100

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PAGE 3

DAEDALUS 86, 1955-- AMERICAN ACADEMY OF ARTS AND SCIENCES W1 DA229	BOSTON ISSN 0011-5266
DRUG INFORMATION JOURNAL 6, 1972-- DRUG INFORMATION ASSOCIATION CONT OF DRUG INFORMATION BULLETIN W1 DR523P	EAST HANOVER NJ ISSN 0092-8615
DRUG INTELLIGENCE AND CLINICAL PHARMACY 3N6, 1969-- DRUG INTELLIGENCE CONT OF DRUG INTELLIGENCE W1 DR524	HAMILTON IL ISSN 0012-6578
EMERGENCY MEDICAL SERVICES 1, 1972-- EMERGENCY MEDICAL SERVICES W1 EM661V	SHERMAN OAKS, CALIF ISSN 0094-6575
ENGINEERING IN MEDICINE 1, 1971-- INSTITUTION OF MECHANICAL ENGINEERS W1 EN643	LONDON ISSN 0046-2039
EVALUATION 1, 1972-- MINNEAPOLIS MEDICAL RESEARCH FOUNDATION W1 EV13	MINNEAPOLIS ISSN
FDA CONSUMER 6N6, 1972-- FOOD AND DRUG ADMINISTRATION FOOD AND DRUG ADMINISTRATION CONT OF FDA PAPERS W1 F203E	WASHINGTON ISSN
FORTUNE 1, 1930-- TIME HF 5353 F745	CHICAGO ISSN
GROUP PRACTICE 6N6, 1957-- AMERICAN ASSOCIATION OF MEDICAL CLINICS SUSP AUG 1971-APR 1972. FEB 1974-AUG 1974 CONT OF JOURNAL OF T HE AMERICAN ASSOCIATION MEDICAL CLINICS W1 GR8585	ALEXANDRIA ISSN 0017-4726
HEALTH CARE MANAGEMENT REVIEW 1, 1975-- ASPEN SYSTEMS CORPORATION ON ORDER	GERMANTOWN MD ISSN

SPECIAL LIST HEALTH CARE
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PAGE 4

HEALTH CARE SYSTEMS

AMERICAN HOSPITAL ASSOCIATION
CONT OF MANAGEMENT SYSTEMS
IN PROCESS

CHICAGO

ISSN

HEALTH PAC BULLETIN

HEALTH POLICY ADVISORY CENTER
W1 HE468

NEW YORK

ISSN 0017-9051

HEALTH SERVICES MANAGER

9, 1976--
AMACOM
CONT OF HOSPITAL SUPERVISION
W1 HE576BH

SARANAC LAKE NY

ISSN

HOSPITAL ADMINISTRATION CURRENTS

12, 1968--
ROSS LABORATORIES
CONT OF CURRENTS IN HOSPITAL ADMINISTRATION
W1 H071D

COLUMBUS

ISSN

HOSPITAL EQUIPMENT AND SUPPLIES

N161, 1968--
NORTHWOOD INDUSTRIAL PUBLICATIONS
CONT OF HOSPITAL EQUIPMENT NEWS
W1 H0773

LONDON

ISSN 0018-5620

HOSPITAL FINANCIAL MANAGEMENT

22N8, 1968--
HOSPITAL FINANCIAL MANAGEMENT ASSOCIATION
CONT OF HOSPITAL ACCOUNTING
W1 H0776

CHICAGO

ISSN 0018-5639

HOSPITAL FORMULARY

10N6, 1975 --
HFM PUBLISHING
CONT OF HOSPITAL FORMULARY MANAGEMENT
W1 H0779

MINNEAPOLIS

ISSN 0098-6909

HOSPITAL AND HEALTH SERVICES ADMINISTRATION

21, 1976--
AMERICAN COLLEGE OF HOSPITAL ADMINISTRATORS
CONT OF HOSPITAL ADMINISTRATION
W1 H071PY

CHICAGO

ISSN

HOSPITAL MEDICAL STAFF

1, 1972-
AMERICAN HOSPITAL ASSOCIATION
AMERICAN HOSPITAL ASSOCIATION
W1 H0817FW

CHICAGO

ISSN 0090-0710

SPECIAL LIST HEALTH CARE
A PARTIAL LIST OF TITLES INDEXED

PAGE 5

HOSPITAL PHARMACY 1, 1966-- J B LIPPINCOTT W1 HO869B	PHILADELPHIA ISSN 0018-5787
HOSPITAL PRACTICE 1, 1966-- HOSPITAL PRACTICE CO W1 HO87G	NEW YORK ISSN 0018-5809
HUMAN ORGANIZATION 8, 1949-- SOCIETY FOR APPLIED ANTHROPOLOGY CONT OF APPLIED ANTHROPOLOGY W1 HU456	WASHINGTON ISSN 0093-2930
JOURNAL OF ALLIED HEALTH 1, 1972-- CHARLES B SLACK ASSOCIATION OF SCHOOLS OF ALLIED HEALTH PROFESSIONS. ISSUE FOR NOV. 1972 CALLED INTRODUCTORY ISSUE BUT CONSTITUTES VOL. 1. W1 JO534V	THOROFARE NJ ISSN 0090-7421
JOURNAL OF CLINICAL ENGINEERING 1, 1976-- QUEST PUBLISHING CO ON ORDER	CITY OF INDUSTRY CA ISSN
JOURNAL OF COMMUNITY PSYCHOLOGY 1, 1973-- CLINICAL PSYCHOLOGY PUB CO SUPERSEDES IN PART JOURNAL OF CLINICAL PSYCHOLOGY. SOME ISSUES, WITH DISTINCTIVE TITLES, ARE CALLED MONOGRAPH SUPPLEMENTS. W1 JO593S	BRANDON VT ISSN 0090-4392
JOURNAL OF ENVIRONMENTAL HEALTH 26, 1963-- NATIONAL ASSOCIATION OF SANITARIANS COVER TITLE AS SANITARIANS JOURNAL... CONT OF SANITARIAN W1 JO644B	DENVER ISSN 0022-0892
JOURNAL OF MENTAL HEALTH ADMINISTRATION 1, 1972- ST LOUIS W1 JO76KE	ST LOUIS ISSN 0092-8623
JOURNAL - NATIONAL ASSOCIATION OF PRIVATE PSYCHIATRIC HOSPITALS 1, 1969-- NATIONAL ASSOCIATION OF PRIVATE PSYCHIATRIC HOSPITALS W1 JO524	LEONIA NJ ISSN 0027-8629

SPECIAL LIST HEALTH CARE
A PARTIAL LIST OF TITLES INDEXED

PAGE 6

JOURNAL OF PASTORAL CARE
1, 1947-- KUTZTOWN PA
COUNCIL FOR CLINICAL TRAINING
ABSORBED THE JOURNAL OF CLINICAL PASTORAL WORK IN 1950.
W1 JO828 ISSN 0022-3409

MEDICAL RECORD NEWS
33, 1962-- CHICAGO
AMERICAN ASSOCIATION OF MEDICAL RECORD LIBRARIANS
CONT OF JOURNAL OF THE AMERICAN ASSOCIATION OF MEDICAL RECORD LIBRARIANS
W1 ME433 ISSN 0025-7486

NATIONAL HOSPITAL AND HEALTH CARE
1, 1975- PRAHRAN
PETER ISAACON PUBLICATIONS
FORMED BY THE UNION OF NATIONAL HOSPITAL AND HOSPITAL AND HEALTH CARE
ADMINISTRATION. OFFICIAL JOURNAL OF THE AUSTRALIAN INSTITUTE OF
HOSPITAL ADMINISTRATORS, AUSTRALIAN PUBLIC HEALTH ASSOCIATION, AND
AUSTRALIAN HOSPITAL ASSOCIATION.
W1 NA485GM ISSN

NIHAE BULLETIN
1968?-- NEW DELHI
NATIONAL INSTITUTE OF HEALTH ADMINISTRATION AND EDUCATION
W1 N138 ISSN

P A JOURNAL
3N2, 1973-- THOROFARE NJ
CHARLES B SLACK
CONT OF PHYSICIANS ASSOCIATE. AMERICAN ACADEMY OF PHYSICIANS ASSISTANTS
W1 P114K ISSN 0091-4614

RC. RESPIRATORY CARE
18, 1973-- PHILADELPHIA
J B LIPPINCOTT
CONT OF RESPIRATORY CARE. AMERICAN ASSOCIATION FOR RESPIRATORY THERAPY
W1 R104T ISSN 0098-9142

RESEARCH AND STATISTICS NOTE; OFFICE OF RESEARCH AND STATISTICS; SOCIAL
SECURITY ADMINISTRATION
WASHINGTON
SOCIAL SECURITY ADMINISTRATION
W2 S S63R ISSN 0566-0327

RESPIRATORY THERAPY
1, 1971-- LOS ANGELES
BRENTWOOD PUBLISHING CORPORATION
W1 RE248MR ISSN 0048-7392

SLOAN MANAGEMENT REVIEW
1, 1959-- CAMBRIDGE MASS
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
TITLE VARIES
ISSN 0019-848X

SPECIAL LIST HEALTH CARE
A PARTIAL LIST OF TITLES INDEXED

PAGE 7

TRUSTEE

1, 1947--

AMERICAN HOSPITAL ASSOCIATION
W1 TR985

CHICAGO

ISSN 0041-3674

URBAN HEALTH

1, 1972--

URBAN PUBLICATIONS
W1 UR157K

ATLANTA

ISSN

WOMEN AND HEALTH

1, 1976--

STATE UNIVERSITY OF NEW YORK, COLLEGE AT OLD WESTBURY
W1 WO47S

OLD WESTBURY NY

ISSN

WORLD HOSPITALS

1, 1964--

PERGAMON PRESS
W1 WO88C

OXFORD

ISSN 0512-3135

ITEMS RETRIEVED 60



THE NLM TECHNICAL BULLETIN

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

APRIL 1977

NO. 96

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CHANGES TO THE INDEX TERMS USED IN CANCERPROJ	Appendix A

Z The NLM technical bulletin.
699.5 no. 96- Apr. 1977-
M39 Bethesda, Md. U. S. Dept. of Health, Education, and
N107 Welfare, Public Health Service, National Institutes of
Health, National Library of Medicine.
no.
Assumes the vol. numbering of Library network/MEDLARS
technical bulletin.
Formed by the union of Library network/MEDLARS technical
bulletin and TOXLINE technical bulletin.
Key title: NLM technical bulletin, ISSN 0146-3055.

1. Automatic Data Processing - periodicals 2. Information
Retrieval Systems - periodicals 3. Libraries, Medical -
periodicals 4. MEDLARS I. National Library of Medicine.

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Bethesda, Maryland 20014
301/496-6193

TECHNICAL NOTES

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

Whenever applicable, the heading of each Technical Note will include a reference to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

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

MEDLINE (Jan 75 - Apr 77)	637,230
(Entry dates 741205 to 770226)	
SDILINE (April 77)	21,944
(Entry dates 770216 to 770226)	

CANCERPROJ, SUBJECT CAPTION TERMS (Manual XVIII)

Appendix A provides a list of changes which have been made to the Subject Captions (SC) terms in CANCERPROJ.

TYMSHARE NUMBERS (Manual II-9)

New Numbers: (30 CPS, Correspondence Code)

Dayton, OH	513/223-3847
Madison, WI	608/221-4211
Rockford, IL	815/398-6090
Orlando, FL	305/859-4540

Changes:

	From	To
Palo Alto, CA	415/ 494 -3900	415/941-8450
Edmonton, CANADA	403/452-7014	403/423-4888
Kansas City, MO	816/421-7444	816/753-6620

TELENET NUMBERS (Manual II)

New Numbers:

Sacramento, CA	916/486-1881
Raleigh-Durham, NC	919/549-8291

CADMIUM POISONING

In On-Line Technical Notes (December 1976), it was stated that for the BACKFILES (citations input for 1975), one must continue to search EPIDEMIC

PAGE 4

HEMORRHAGIC FEVER, a descriptor deleted in 1977 MeSH, and CADMIUM/poisoning, a descriptor/qualifier combination superceded by CADMIUM POISONING, a new descriptor for 1977. The same instructions also apply to the MEDLINE file for citations input during 1975 and 1976.

STRINGSEARCH - USE OF TRUNCATION SYMBOL WITH PRE-COORDINATED MAIN HEADINGS (Manual III-18 e.)

The On-Line Services Reference Manual states that certain punctuation marks such as commas, periods, apostrophes, and quotation marks are treated as spaces by the programs in the STRINGSEARCH strategy. This is true for all punctuation marks except commas. Terms which include commas should be stringsearched with a single character truncation symbol (#) in place of each comma.

EXAMPLE:

SS X/C?
USER:

TS (MH) :INFANT# NEWBORN:

PROG:
SS (X) PSTG (XXX)

STRINGSEARCH - CORRECTIONS FOR REFERENCE MANUAL (Manual III-19)

The following example for TS DOPA should be substituted on Page III-19 of the On-Line Services Reference Manual:

TS DOPA If colons are omitted entirely, a right hand truncation is assumed. This request would retrieve only titles beginning with the word Dopa.

DNA, RECOMBINANT

The term, DNA, RECOMBINANT was added to the 1977 MeSH on March 21, 1977. Because of the importance of this concept it was added immediately instead of waiting for the 1978 MeSH. Citations dealing with recombinant DNA were previously indexed either to DNA only or to the combination of terms DNA and RECOMBINATION, GENETIC.

NLM ON-LINE USERS MEETING

There will be an NLM On-Line Users Meeting held as part of the annual MLA (Medical Library Association) Convention in Seattle, Washington (June 11-16, 1977). This NLM On-Line Users Meeting will be held on Tuesday, June 14 starting at 3:00 p.m. and ending at 4:30 p.m. in the Olympic Bowl of the Olympic Hotel (convention headquarters). All interested persons are invited to attend.

EPILEPSYLINE

EPILEPSYLINE connect hours will be free from May 1, 1977 through September 30, 1977. Off-line pages, OFFSEARCHES, etc., will be charged as usual.

Effective April 7, 1977, the On-Line hours of service at NLM and SUNY are as follows: (all times are Eastern Standard)

	<u>NLM</u>	<u>SUNY</u>
MONDAY	3 A.M. - 6 P.M.	8 A.M. - 8 P.M.
TUESDAY	12 NOON - 8 P.M.	3 A.M. - 6 P.M.
WEDNESDAY	3 A.M. - 6 P.M.	8 A.M. - 8 P.M.
THURSDAY	3 A.M. - 6 P.M.	8 A.M. - 8 P.M.
FRIDAY	3 A.M. - 8 P.M.	8 A.M. - 6 P.M.

Note that NLM will be down at 6 p.m. on Thursday rather than 8 p.m. as previously scheduled. SUNY will stay up until 8 p.m. on Thursday and will be down on Friday at 6 p.m.

OFF-LINE PRINTS, NLM (Manual III-33)

A sequential control number has been added to off-line prints and off-searches run at NLM. This number appears opposite the page number on the prints and is used for production control at NLM. The control number is meaningless to analysts and users.

TOXLINE UPDATE - APRIL 30, 1977

The TOXLINE file was updated April 30, 1977 with 8,050 records as follows:

<u>SUBFILE</u>	<u>COVERAGE</u>	<u>RECORDS ADDED</u>
CBAC	Vol. 25, Iss. 7-8, Apr 77	3,251
HEEP	May 1977	1,069
IPA	Jan-Feb 1977	1,257
PESTAB	Nov 76-Feb 77	925
TOXBIB	May 1977	1,554
	TOTALS	8,056

The update tag is 0477 (ST). This brings the total number of documents in TOXLINE to 424,669.

HOLIDAY SCHEDULE, 1977

Following is the holiday schedule for the NLM and SUNY systems for 1977:

	<u>NLM</u>	<u>SUNY</u>
George Washington's Birthday (Mon, Feb 21)	UP*	DOWN
Memorial Day (Mon, May 30)	DOWN	DOWN
Independence Day (Mon, Jul 4)	DOWN	DOWN
Labor Day (Mon, Sep 5)	DOWN	DOWN
Columbus Day (Mon, Oct 10)	UP*	UP*
Veterans Day (Mon, Oct 24)	UP*	UP*
Thanksgiving Day (Thu, Nov 24)	DOWN	DOWN
Christmas (Mon, Dec 26)	DOWN	DOWN
New Years (Mon, Jan 2, 1978)	DOWN	DOWN

*Non-Prime time rates in effect all day.

AVLINE UPDATE

Virginia White, Technical Services Division, NLM

AVLINE GROWTH

During February and March 1977, 157 citations were added to AVLINE bringing to 452 the number added in the first quarter of 1977. As of April 1, AVLINE contained 2765 citations.

LOAN OF AVLINE ITEMS

The National Library of Medicine does not lend any audiovisual items on Interlibrary Loan. If, at the time of cataloging, we are aware of a loan source for an AVLINE item, we will include this information in the Procurement Source (PC) and Price (PR) fields, along with any sale source.

EXAMPLE:

PC - TRAINEX CORPORATION

PR - LOAN: 15.00

PR - SALE: WRITE FOR COMPLETE INFORMATION

The address for the loan source will appear in the NAME AUTHORITY FILE (see page 9 of the January 1977 Library Network/MEDLARS Technical Bulletin for information on searching the NAME AUTHORITY FILE).

REVIEW DATA FIELD

Information supplied by reviewers and listed in the review data portion of the General Notes (GN) field is transcribed into the Review Data (RD) field and is directly searchable. Adding the qualifier (RD) to the searchable element will eliminate possible multimeaning messages and facilitate searching. Searchable elements include the following:

Ratings

Recommended
Highly recommended

Audience levels

Undergraduate
Graduate
Continuing education
Specialty
General
Medical
Dental
Nursing
Allied health
PhD

Learning method

Lecture support
Self instructional
Pre-test
Post-test

Review body

AAMC (Association of American
Medical Colleges)
AADS (American Association of
Dental Schools)
NLM (National Library of Medicine)
ASCP (American Society of Clinical
Pathologists)
NMAC (National Medical Audio-
visual Center)
APS (American Physiological Society)

Specialties

Basic Sciences

ANATOMY
ANATOMY, REGIONAL
ANATOMY, VETERINARY
CYTOLOGY
EMBRYOLOGY

HISTOLOGY
 NEUROANATOMY
 BEHAVIORAL SCIENCES
 ANTHROPOLOGY
 PSYCHOLOGY
 SOCIOLOGY
 BIOCHEMISTRY
 BIOLOGY
 BOTANY
 ECOLOGY
 GENETICS
 MICROBIOLOGY
 BACTERIOLOGY
 MYCOLOGY
 VIROLOGY
 PARASITOLOGY
 ZOOLOGY
 BIOPHYSICS
 PHARMACOLOGY
 PHYSIOLOGY
 NEUROPHYSIOLOGY

Medicine

AVIATION MEDICINE
 COMMUNITY MEDICINE
 EMERGENCY MEDICINE
 EPIDEMIOLOGY
 GERIATRICS
 MILITARY MEDICINE
 NUCLEAR MEDICINE
 SOCIAL MEDICINE
 SPECIALTIES, MEDICAL
 ANESTHESIOLOGY
 DERMATOLOGY
 FORENSIC MEDICINE
 GENERAL PRACTICE
 FAMILY PRACTICE
 GYNECOLOGY
 INTERNAL MEDICINE
 CARDIOLOGY
 ENDOCRINOLOGY
 GASTROENTEROLOGY
 HEMATOLOGY
 IMMUNOLOGY
 NEUROLOGY
 OBSTETRICS
 OPHTHALMOLOGY
 OTORHINOLARYNGOLOGY
 PATHOLOGY
 PATHOLOGY, SURGICAL
 PEDIATRICS
 NEONATOLOGY
 PERINATOLOGY

PHYSICAL MEDICINE
 REHABILITATION
 PREVENTIVE MEDICINE
 INDUSTRIAL MEDICINE
 PUBLIC HEALTH
 PSYCHIATRY
 ADOLESCENT PSYCHIATRY
 CHILD PSYCHIATRY
 GERIATRIC PSYCHIATRY
 PSYCHIATRY, COMMUNITY
 PSYCHIATRY, MILITARY
 RADIOLOGY
 SCHOOL HEALTH
 SURGERY
 HEART SURGERY
 NEUROSURGERY
 ORTHOPEDICS
 PROCTOLOGY
 SURGERY, PLASTIC
 UROLOGY
 VASCULAR SURGERY

SPORT MEDICINE
 TROPICAL MEDICINE

Dentistry

AVIATION DENTISTRY
 FORENSIC DENTISTRY
 GENERAL PRACTICE, DENTAL
 GERIATRIC DENTISTRY
 INDUSTRIAL DENTISTRY
 MILITARY DENTISTRY
 PREVENTIVE DENTISTRY
 SCHOOL DENTISTRY
 SPECIALTIES, DENTAL
 ENDODONTICS
 ORTHODONTICS
 PATHOLOGY, ORAL
 PEDODONTICS
 PERIODONTICS
 PROSTHODONTICS
 PUBLIC HEALTH DENTISTRY
 COMMUNITY DENTISTRY
 SURGERY, ORAL

Nursing

GERIATRIC NURSING
 HOME NURSING
 INDUSTRIAL NURSING
 MIDWIFERY
 MILITARY NURSING
 NURSE ANESTHETISTS
 NURSE PRACTITIONERS

NURSING, PRACTICAL
OBSTETRICAL NURSING
OPERATING ROOM NURSING
PEDIATRIC NURSING
PSYCHIATRIC NURSING
PUBLIC HEALTH NURSING
SCHOOL NURSING
SURGICAL NURSING

Allied Health

DENTAL ASSISTANTS
DENTAL HYGIENISTS
DENTAL TECHNICIANS
DIETETICS
INHALATION THERAPY
NURSES' AIDES
PSYCHIATRIC AIDES
NUTRITION
OCCUPATIONAL THERAPY
OPERATING ROOM TECHNICIANS
PHARMACISTS' AIDES
PHYSICIANS' ASSISTANTS
PHYSICAL THERAPY
SPEECH THERAPY

TECHNOLOGY, DENTAL
TECHNOLOGY, MEDICAL
SEROLOGY
TECHNOLOGY, RADIOLOGIC

Health Related

BIOMEDICAL ENGINEERING
ENVIRONMENTAL HEALTH
HOSPITAL ADMINISTRATION
HOUSEKEEPING
INFORMATION SERVICES
JURISPRUDENCE
MAINTENANCE
MEDICAL RECORD ADMINISTRATORS
MEDICAL SECRETARIES
OPTOMETRY
ORTHOPTICS
OSTEOPATHY
PHARMACY
PODIATRY
SOCIAL SERVICE
VETERINARY MEDICINE
VOLUNTARY WORKERS

ADVANCED ON-LINE SERVICES TRAINING CLASS AT UCLA
MARCH 14 - 21, 1977

*Kathleen A. Cimpl
University of South Dakota
Yankton, South Dakota

Vcki F. Croft
Washington State University
Pullman, Washington

Janet Erickson
University of Southern California
Los Angeles, California

K. Elaine Graham
Kaiser-Permanente Medical Center
Panorama City, California

Laurel A. Haycock
University of Minnesota
Duluth, Minnesota

**Kay Kammerer
Alta Bates Hospital
Berkeley, California

Margaret L. Moutseous
University of Arizona
Tucson, Arizona

Richard Pride
Kern Medical Center
Bakersfield, California

Emiko Samard
University of California, Irvine
Orange, California

Marilynn C. Smith
University of Arizona
Tucson, Arizona

*MEDLINE only--did not complete CHEMLINE/TOXLINE section
**CHEMLINE/TOXLINE section only

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

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

- | | |
|--|--|
| <p>+*ANATOMIA HISTOLOGIA EMBRYOLOGIA
 2, 1973--
 Verlag Paul Parey
 Cont of Zentralblatt far
 Veterinmedizin.
 Reihe C.:Anatomie, Histologie,
 Embryologie
 Berlin, West Germany</p> | <p>CARCINOGENESIS
 1, 1976--
 Raven Press
 New York, New York</p> |
| <p>+*ANNALES DE DERMATOLOGIE ET DE
 VENEREOLOGIE
 104, 1977--
 Masson
 Cont of Annales de Dermatologie
 et de Syphiligraphie
 Paris, France</p> | <p>CELL BIOLOGY INTERNATIONAL REPORTS
 1, 1977
 Academic Press
 London, England</p> |
| <p>ANNALS OF NEUROLOGY
 1, 1977--
 Little Brown
 American Neurological Association
 and the Child Neurology Society
 Boston, Massachusetts</p> | <p>*CHIRURGIE
 1975--
 Masson
 Cont of Actualites Chirurgicales
 Paris, France</p> |
| <p>*ANNEE DU MEDECIN
 1976--
 Flammarion Medecine
 Paris, France</p> | <p>CRC HANDBOOK OF NUTRITION AND FOOD
 1, 1977--
 CRC Press
 Cleveland, Ohio</p> |
| <p>BIOFEEDBACK THERAPY
 1, 1976--
 Eden Press
 St. Louis, Missouri</p> | <p>*DENTAL REFLECTIONS
 1, 1976--
 Professional Communications Associates
 Chicago, Illinois</p> |
| <p>BRI BULLETIN
 1977--
 Brain Research Institute, UCLA
 Los Angeles, California</p> | <p>DRUG THERAPY REVIEWS
 1, 1977--
 Masson et Cie
 Paris, France</p> |
| | <p>DUODENAL ULCER
 1, 1977--
 Eden Press
 St. Louis, Missouri</p> |
| | <p>EEG INTERPRETATION
 1, 1977--
 Raven Press
 New York, New York</p> |

- EXPOSURE VALUE AUDIT
1977--
Health Industries Research
Darien, Connecticut
- FEDERAL INFORMATION SOURCES AND SYSTEMS
1976--
U S General Accounting Office
Washington, DC
- FEDERAL PROGRAM EVALUATIONS
1976--
U S GENERAL ACCOUNTING OFFICE
Washington, DC
- *HAEMATOLOGIA
1, 1976--
Akademiai Kiado
Budapest, Hungary
- *HEALTH POLICY PROGRAM DISCUSSION PAPER
1, 1975--
University of California at San Francisco
School of Medicine
San Francisco, California
- HODGKIN'S DISEASE AND THE LYMPHOMAS
1, 1976--
Eden Press
St. Louis, Missouri
- +*IMMUNOLOGICAL REVIEWS
33, 1977--
Munksgaard
Cont of Transplantation Reviews
Copenhagen, Denmark
- INFANT BEHAVIOR AND DEVELOPMENT
1, 1977--
Brown University.
Child Study Center
Providence, Rhode Island
- INTERNATIONAL JOURNAL OF CHILD ABUSE AND NEGLECT
1, 1977--
Pergamon Press
Oxford, England
- INTERNATIONAL REVIEW OF BIOCHEMISTRY
13, 1977--
University Park Press
Cont of Biochemistry
Baltimore, Maryland
- JOURNAL OF EQUINE MEDICINE AND SURGERY
1, 1977--
Veterinary Publications
Princeton, New Jersey
- +JOURNAL OF MEDICAL ENGINEERING AND TECHNOLOGY
1, 1977--
United Trade Press Ltd.
Supersedes Bio-Medical Engineering
London, England
- MARRIAGE AND FAMILY REVIEW
1, 1977?--
Haworth Press
New York, New York
- MEMBRANE TRANSPORT PROCESSES
1, 1977--
Raven Press
New York, New York
- *NATIONAL CANCER INSTITUTE CARCINOGENESIS TECHNICAL REPORT SERIES
1, 1976--
U S National Cancer Institute
Bethesda, Maryland
- *ODA JOURNAL
67, 1977--
Oklahoma Dental Association
Cont of Journal - Oklahoma State
Dental Association
Oklahoma City, Oklahoma
- ORTHOPAEDIC TRANSACTIONS
1, 1977--
Journal of Bone and Joint Surgery
Boston, Massachusetts
- PINEAL
1, 1976--
Eden Press
St. Louis, Missouri

PROCEEDINGS OF THE NATIONAL CONFERENCE ON THE MEDICOLEGAL IMPLICATIONS OF EMERGENCY MEDICAL CARE
1, 1977--
American Heart Association
Dallas, Texas

PROSTAGLANDINS AND THE GUT
1, 1976--
Eden Press
St. Louis, Missouri

SCHEDULE-INDUCED BEHAVIOR RESEARCH AND THEORY
1, 1977--
Eden Press
St. Louis, Missouri

TEACHING THE SEVERELY HANDICAPPED
1, 1976--
Grune and Stratton
New York, New York

TOPICS IN COGNITIVE DEVELOPMENT
1, 1977--
Plenum Press
Consists of the Official Symposium
Proceedings of the Jean Piaget
Society
New York, New York

*TUTORIAL ESSAYS IN PSYCHOLOGY PAGE 11
1, 1976--
Halsted Press
New York, New York

ULTRASOUND IN BIOMEDICINE
1, 1977--
Research Studies Press
Forest Grove, Oregon

*U. S. JOURNAL OF DRUG AND ALCOHOL DEPENDENCE
1, 1977--
Drug Abuse Council
Washington, DC

YEAR BOOK OF FAMILY PRACTICE
1, 1977--
Year Book Medical Book
Publishers
Chicago, Illinois

INITIAL ON-LINE SERVICES TRAINING CLASS AT NLM
MARCH 28 - APRIL 1, 1977

Marcia Beseler
Howard Young Medical Center
Woodruff, Wisconsin

Ida Brier
University of the State of New York
Albany, New York

Sallie Ellison
General Motors Corporation
Warren, Michigan

Linda Fernandez
Armour Pharmaceutical Company
Kankakee, Illinois

Ada Gams
New York Academy of Medicine
New York, New York

Robert Iles
Marion Laboratories, Inc.
Kansas City, Missouri

Sister Lois Keller
St. John's University
Jamica, New York

Faye Krasner
Miller-Dawn Hospital & Medical Center
Duluth, Minnesota

Irene Lathrop
Rhode Island Hospital
Providence, Rhode Island

Willis Leavens
Veterans Administration Hospital
Allen Park, Michigan

Betsy Lelyveld
Children's Memorial Hospital
Chicago, Illinois

Carolyn Nippert
Allentown & Sacred Heart
Hospital Center
Allentown, Pennsylvania

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INITIAL ON-LINE SERVICES TRAINING CLASS AT NLM
APRIL 4 - 8, 1977

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Heidi Finkbeiner
The Franklin Institute Research
Laboratories
Jefferson, Arkansas

Craig Wright
Houston Academy of Medicine
Houston, Texas

LIST OF MONOGRAPHS INDEXED

MAY 1977

A

Advances in Patient Care Conference, 3d, Lihue, Hawaii, 1976. The Changing health care team : improving effectiveness in patient care / edited by Spring Zoog and Stephen Yarnall. -- Seattle : MCSA, c1976. ii, 179 p. : ill. Conference co-sponsors: Medical Communications and Services Association, Seattle; American Society of Internal Medicine. Proceedings of the 2d congress, unnumbered and lacking congress name, entered under: Design and use of protocols.

1. Patient Care Team - congresses I. Yarnall, Stephen R., 1934- ed. II. Zoog, Spring, 1952- ed. III. American Society of Internal Medicine. IV. Medical Communications and Services Association. V. Title VI. Title: Design and use of protocols
ISBN 0-917054-11-3 LC: 76-45105
04NLM: W3 AD242K 1976c
0XNLM: [W 84 AA1 A24 1976c]
IM Cit. No. 7701562

American Peptide Symposium, 4th, New York, 1975. Peptides : chemistry, structure and biology : proceedings of the fourth American Peptide Symposium / edited by Roderich Walter and Johannes Meienhofer. -- Ann Arbor, Mich. : Ann Arbor Science Publishers, c1975. xvii, 1053 p. : ill.
I. Peptides - congresses I. Meienhofer, Johannes, ed. II. Walter, Roderich, 1937- ed. III. Title IV. Title: Proceedings of the fourth American Peptide Symposium
ISBN 0-250-40120-7 LC: 75-22897
04NLM: W3 AM595 1975p
0XNLM: [QU 60 A513 1975p]
IM Cit. No. 7702169

The Arterial hypertensive disease : a symposium, Liège, May 7-9, 1975 / edited by George S. Rorive and Henry Van Cauwenberge. -- New York : Masson, 1976. xvi, 398 p. : ill. Symposium organized by the Département de clinique et pathologie médicales of the Université de Liège, under the auspices of the European Society of Cardiology and others. Papers in English and French with summaries in both languages.
I. Antihypertensive Agents - congresses 2. Hypertension - congresses I. Cauwenberge, Henry van, ed. II. Rorive, Georges, ed. III. European Society of Cardiology. IV. Université de Liège. Département de clinique et pathologie médicales. V. Title: Symposium on the arterial hypertensive disease
ISBN 2-225-44770-5
04NLM,01HMS: WG 340 A784 1975
IM Cit. No. 7701539

E

EORTC Breast Cancer Working Conference, 1st, Brussels, 1975. Breast cancer : trends in research and treatment / editors, Jean-Claude Heuson, Wolrad H. Mattheiem, Marcel Rozencweig. -- New York : Raven, c1976. xv, 327 p. : ill. -- (Monograph series of the European Organization for Research on Treatment of Cancer)
I. Breast Neoplasms - congresses I. Heuson, Jean-Claude, ed. II. Mattheiem, Wolrad H., ed. III. Rozencweig, Marcel, ed. IV. Title V. Series
ISBN 0-89004-096-6 LC: 76-22910
04NLM: W3 E35 1975b
0XNLM: [WP 870 E106 1975b]
IM Cit. No. 7701779
Price: 23.75

F

Financial operation and management concepts in nuclear medicine / edited by James L. Bennington, Hirsch Handmaker, Gerald S. Freedman. -- Baltimore : University Park Press, c1977. xii, 232 p. : ill. Based on a symposium held in New York City, Oct. 9-11, 1975, presented in association with the American College of Nuclear Physicians, and assisted also by the Society of Nuclear Medicine.

1. Economics, Medical - U. S. - congresses 2. Hospital Administration - U. S. - congresses 3. Nuclear Medicine - instrumentation - congresses 4. Organization and Administration - congresses
I. Bennington, James Lynne, 1935- ed. II. Freedman, Gerald S., 1936- ed. III. Handmaker, Hirsch, 1940- ed. IV. American College of Nuclear Physicians. V. Society of Nuclear Medicine.
ISBN 0-8391-0953-9 LC: 76-50575
04NLM: WN 440 F491 1975
IM Cit. No. 7701829

G

Glutathione : metabolism and function / editors, Irwin M. Arias, William B. Jakoby. -- New York : Raven Press, c1976. xiii, 382 p. : ill. -- (Kroc Foundation series ; v. 6) Proceedings of a workshop held at Santa Ynez, Calif., June 2-3, 1975 and sponsored by the Kroc Foundation and the Liver Research Center at the Albert Einstein College of Medicine. Includes bibliographies.
I. Glutathione - congresses I. Arias, Irwin M., 1926- ed. II. Jakoby, William B., ed. III. Albert Einstein College of Medicine. Liver Research Center. IV. Kroc Foundation. V. Series
ISBN 0-89004-062-1 LC: 75-16658
04NLM: W3 KR45 v.6 1975
0XNLM: [QU 60 G567 1975]
IM Cit. No. 7702645

I

Intensive care in the newborn / [edited by] Leo Stern, Bent Friis-Hansen, Poul Kildeberg. -- New York : Masson, c1976. 283 p. : ill. Results of a conference held at Stavby Skov, Denmark, August 25-30, 1975.
I. Critical Care - congresses 2. Infant, Newborn - congresses I. Friis-Hansen, Bent, ed. II. Kildeberg, Poul, ed. III. Stern, Leo, ed. IV. Title: Conference on intensive care in the newborn
ISBN 0-89352-000-4 LC: 76-22262
04NLM: WS 420 I601 1975
IM Cit. No. 7701853

International Colloquium on Prospective Biology, 3d, Pont-à-Mousson, 1975. Drug interferences and drug measurement in clinical chemistry : proceedings of the third International Colloquium on Prospective Biology, Pont-à-Mousson, October 6-10, 1975 / editors, G. Siest and D. S. Young, co-editors, C. Heusghem, G. Olive, and J. R. Royer. -- Basel ; New York : Karger, 1976. viii, 207 p. : ill. 2d colloquium called International Colloquium "Automatisation and Prospective Biology".
I. Chemistry, Clinical - congresses 2. Drug Therapy - congresses 3. Drugs - metabolism - congresses 4. Drugs - analysis - congresses
I. Siest, G., ed. II. Young, Donald S., ed. III. International Colloquium "Automatisation and Prospective Biology," 2d, Pont-à-Mousson, 1972. IV. Title
ISBN 3-8055-2360-2
04NLM: W3 IN132K 1975d
0XNLM: [QV 38 I602 1975d]
IM Cit. No. 7701816

International Congress of Pharmaceutical Sciences, 35th, Dublin, 1975. The quality control of medicines : proceedings of the 35th International Congress of Pharmaceutical Sciences, Dublin, 1975 / P. B. Deasy & R. F. Timoney, editors. -- Amsterdam ; New York : Elsevier Scientific Pub. Co. ; New York : distributors for the U. S., Elsevier/North-Holland, 1976. xiii, 398 p. : ill. Organized by the Pharmaceutical Society of Ireland on behalf of the Fédération Internationale pharmaceutique.
I. Drugs - standards - congresses 2. Quality Control - congresses I. Deasy, P. B., ed. II. Timoney, R. F., ed. III. Fédération Internationale pharmaceutique. IV. Pharmaceutical Society of Ireland. V. Title
ISBN 0-444-41454-1

04NLM: W3 IN541 1975q
 0XNLM: [QV 771 I59q 1975]
 IM Cit. No. 7701526

International Narcotic Research Club. Opiates and endogenous opioid peptides : proceedings of the International Narcotics Research Club meeting, Aberdeen, United Kingdom, 19-22 July, 1976 / organizing committee, S. Archer ... H. W. Kosterlitz ... [et al.]. -- Amsterdam ; New York : North-Holland, 1976. x, 456 p. : ill.
 1. Opium - metabolism - congresses 2. Peptides - metabolism - congresses I. Archer, S. II. Kosterlitz, H. W. III. Title
 ISBN 0-7204-0599-8
 04NLM: QV 90 I61o 1976
 IM Cit. No. 7701473

International Porphyrin Meeting, 1st, Freiburg i. B., 1975. Porphyrins in human diseases : first International Porphyrin Meeting, Freiburg i. Br., May 1-4, 1975 / editor, Manfred Doss. -- Basel ; New York : Karger, 1976. xlx, 512 p. : ill. Conference organized by the Clinical Biochemistry Research Unit of the Faculty of Medicine of the Philipps University in Marburg.
 1. Porphyrin - congresses 2. Porphyrins - metabolism - congresses 3. Porphyrins - analysis - congresses I. Doss, Manfred, ed. II. Philipps-Universität. Abteilung für Klinische Biochemie. III. Title
 ISBN 3-8055-2259-2
 04NLM: W3 IN862 1975p
 0XNLM: [WH 190 I602 1975p]
 IM Cit. No. 7701479

International Symposium on Biology and Disease of the Hair, 1st, Tokyo, 1975. Biology and disease of the hair / consulting editors, Tatsuji Kobori, William Montagna, editors, Kiyoshi Toda ... [et al.]. -- Baltimore : University Park Press, c1976. xxxi, 667 p. : ill.
 1. Hair - congresses 2. Hair - physiology - congresses I. Kobori, Tatsuji, 1907- ed. II. Montagna, William, 1913- ed. III. Toda, Kiyoshi, ed. IV. Title
 ISBN 0-8391-0958-X LC: 76-26944
 04NLM: W3 IN916BQ 1975b
 0XNLM: [WR 450 I61 1975b]
 IM Cit. No. 7701552

International Symposium on Gastro-Entero-Pancreatic (GEP) Endocrine System, Kyoto, 1975. Endocrine gut and pancreas : proceedings of the International Symposium on Gastro-Entero-Pancreatic (GEP) Endocrine System, Kyoto, Aug. 31-Sep. 3, 1975 / editor, Tsuneo Fujita. -- Amsterdam ; New York : Elsevier Scientific Pub. Co. ; New York : American Elsevier, c1976. xiv, 411 p. : ill.
 1. Gastroenterology - congresses 2. Gastrointestinal Hormones - congresses 3. Pancreas - congresses 4. Pancreatic Hormones - congresses I. Fujita, Tsuneo, 1929- ed. II. Title
 ISBN 0-444-41449-5 LC: 76-40957
 04NLM: WK 170 I605e 1975
 IM Cit. No. 7701409
 Price: 51.95

L

Leukocyte Culture Conference, 11th, University of Arizona, 1976. Regulatory mechanisms in lymphocyte activation : proceedings of the eleventh Leukocyte Culture Conference / edited by David O. Lucas. -- New York : Academic Press, 1977. Cataloging in publication.
 1. Leukocytes - congresses 2. Lymphocytes - congresses 3. Tissue Culture - congresses I. Lucas, David O., ed. II. Title
 ISBN 0-12-458050-5
 04NLM: W3 LE81 1976r (P)
 0XNLM: [WH 200 L652 1976r] Cit. No. 7701690

N

Neural principles in vision / edited by F. Zettler and R. Wiler ; with contributions by D. L. Alkon ... [et al.]. -- Berlin ; New York : Springer-Verlag, c1976. 430 p. : ill. -- (Proceedings in life sciences) ISBN 0-387-07839-8 (New York). Symposium sponsored by Zoological Institute of the University of Munich, held September 15-20, 1975.

1. Retina - anatomy & histology - congresses
 2. Visual Perception - physiology - congresses
 I. Alkon, Daniel L., 1942- ed. II. Weller, R., 1947- ed. III. Zettler, F., 1934- ed. IV. Universität München. Zoologisches Institut.
 V. Title: Symposium on neural principles in vision
 VI. Series
 ISBN 0-387-07839-8 LC: 76-21801
 04NLM: WW 103 N494 1975
 IM Cit. No. 7701463

O

Onco-developmental gene expression / edited by William H. Fishman, Stewart Sell. -- New York : Academic Press, 1976. xxxix, 788 p. : ill., ports. Conference held in San Diego in 1976, sponsored by the International Research Group for Carcinoembryonic Proteins.
 1. Antigens, Neoplasm - congresses 2. Carcinoembryonic Antigen - congresses 3. Carcinogenesis - congresses 4. Cell Transformation, Neoplastic - congresses 5. Fetal Globulins - congresses 6. Neoplasms - immunology - congresses I. Fishman, William H. II. Sell, Stewart, 1935- III. International Research Group for Carcinoembryonic Proteins. IV. Title: Conference on onco-developmental gene expression V. Title: San Diego Conference on onco-developmental gene expression
 ISBN 0-12-257660-8 LC: 76-47017
 04NLM: QZ 200 O581 1976
 IM Cit. No. 7701656

P

Paper victories and hard realities : the implementation of the legal and constitutional rights of the mentally disabled : selected papers on the Supreme Court decision, O'Connor v. Donaldson / edited by Valerie Bradley and Gary Clarke. -- Washington : Health Policy Center, Georgetown Univ., 1976. 143 p. : ill. A collection of papers originally prepared for a seminar held by the Health Policy Center at Georgetown University on Dec. 8, 1975.
 1. Civil Rights - congresses 2. Forensic Psychiatry - U. S. - congresses 3. Mental Disorders - U. S. - legislation - congresses 4. Mental Health Services - U. S. - congresses I. Bradley, Valerie, ed. II. Clarke, Gary J., ed. III. Georgetown University, Washington, D. C. Health Policy Center. IV. U. S. Supreme Court.
 04NLM: WM 30 P214 1975
 IM Cit. No. 7701664

Phosphatidylcholine : biochemical and clinical aspects of essential phospholipids / editor, H. Peeters ; contributors, G. Assmann ... [et al.]. -- Berlin ; New York : Springer-Verlag, 1976. x, 254 p. : ill. Proceedings of a symposium held at the Simon Stevin Institute in Brugge, Belgium, Nov. 15-18, 1975.
 1. Arteries - metabolism - congresses 2. Phosphatidylcholines - congresses 3. Phospholipids - congresses 4. Vascular Diseases - therapy - congresses I. Assmann, G. II. Peeters, Hubert, 1919- ed. III. Simon-Stevin-Instituut voor Wetenschappelijk Onderzoek. IV. Title: Symposium on phosphatidylcholine
 ISBN 0-387-07828-2
 04NLM: QU 93 P575 1975
 IM Cit. No. 7701916

Psychiatry and psychology in the USSR / edited by Samuel A. Corson, associate editor, Elizabeth O'Leary Corson. -- New York : Plenum Press, c1976. xiv, 296 p. : ill. Proceedings of a symposium convened at the Ohio State University, Columbus, April 25, 1975 under the auspices of the Ohio State University Center for Slavic and Eastern European Studies and the Departments of Psychiatry and Psychology.
 1. Psychiatry - U. S. S. R. - congresses 2. Psychology - U. S. S. R. - congresses I. Corson, Elizabeth O'Leary, ed. II. Corson, Samuel A., ed. III. Ohio State University. Center for Slavic and Eastern European Studies. IV. Ohio State University. Dept. of Psychiatry. V. Ohio State University. Dept. of Psychology.
 ISBN 0-306-30992-0 LC: 76-47482
 04NLM: WM 100 P98613 1975
 IM Cit. No. 7701489
 Price: 27.50

S

Seminar on Advances in Oxygenator Design, Copenhagen, 1975. Physiological and clinical aspects of oxygenator design : proceedings of the Seminar on Advances in Oxygenator Design, Copenhagen, June 15-20, 1975 / sponsored by the Commission of the European Communities with the assistance of the Committee on Medical Research and Public Health of the Scientific and Technical Research Committee ; editors, S. G. Dawids and H. C. Engell. -- Amsterdam ; New York : Elsevier Scientific Pub. Co. for the Commission of the European Communities, 1976. xvii, 330 p. : ill.

1. Oxygenators - instrumentation - congresses
I. Dawids, S. G., ed. II. Engell, H. C., ed.
III. Commission of the European Communities. Committee on Medical Research and Public Health.
IV. Commission of the European Communities.
V. Title
ISBN 0-444-41453-3 LC: 76-25149
04NLM: WG 168 S471p 1975
IM Cit. No. 7701918

Sexual maturity : physiological and clinical parameters / editors, E. S. E. Hafez and J. J. Peluso. -- Ann Arbor, Mich. : Ann Arbor Science Publishers, c1976. x, 283 p. : ill. -- (Perspectives in human reproduction ; v. 3) Papers presented at the 3d annual colloquium sponsored by the C. S. Mott Center for Human Growth and Development, Wayne State University School of Medicine, held in Feb. 1976.
1. Puberty - congresses 2. Puberty, Precocious - congresses 3. Sex Maturation - congresses
I. Hafez, Elsayed Saad Eldin, 1922- ed. II. Peluso, J. J., ed. III. Mott (C. S.) Center for Human Growth and Development. IV. Series

ISBN 0-250-40112-6 LC: 76-22248
04NLM: W1 PE871AP v.3 1976
0XNLM: [WS 450 S518 1976]
IM Cit. No. 7701950

Successful psychotherapy : proceedings of the ninth annual symposium, November 19-21, 1975, Texas Research Institute of Mental Sciences / edited by James L. Claghorn. -- New York : Brunner/Mazel, c1976. xvi, 208 p. : ill.
1. Psychotherapy - methods - congresses I. Claghorn, James L., 1935- ed. II. Texas Research Institute of Mental Sciences. III. Title: Symposium on successful psychotherapy

ISBN 0-87630-133-2 LC: 76-40123
04NLM: WM 420 S942 1975
IM Cit. No. 7701710

Symposium on Molecular and Cellular Aspects of Sickle Cell Disease, Dallas, 1975. Proceedings of the Symposium on Molecular and Cellular Aspects of Sickle Cell Disease, Dallas, Texas, December 10, 1975 / sponsored by the Sickle Cell Disease Branch of the National Heart, Lung, and Blood Institute, National Institutes of Health and Department of Biochemistry, University of Texas Health Science Center at Dallas ; edited by John I. Hercules ... [et al.]. -- Bethesda, Md. : U. S. Dept. of Health, Education, and Welfare, Public Health Service, National Institutes of Health, 1976. viii 398 p. : ill. -- (DHEW publication ; no. (NIH) 76-1007)
1. Anemia, Sickle Cell - physiopathology - congresses I. Hercules, John I., ed. II. National Heart, Lung, and Blood Institute. Sickle Cell Disease Branch. III. University of Texas Health Science Center at Dallas. Dept. of Biochemistry. IV. Title V. Series

LC: 76-608232
04NLM,01HMS: WH 170 S987p 1975
IM Cit. No. 7700975

Symposium on Obstetric and Gynaecological Uses of Prostaglandins, Singapore, 1976. Obstetric and gynaecological uses of prostaglandins : conference proceedings / edited by Sultan M. M. Karim. -- Lancaster, Eng. : MTP Press, 1976. 286 p. : ill. Part of the Asian Federation of Obstetrics and Gynaecology 1st inter-congress, held in Singapore from April 27 to 30, 1976, hosted by the Obstetrical and Gynaecological Society of Singapore.

1. Abortifacient Agents - congresses 2. Pregnancy - drug effects - congresses 3. Prostaglandins - therapeutic use - congresses 4. Prostaglandins - pharmacodynamics - congresses
I. Karim, Sultan M. M., ed. II. Asian Federation of Obstetrics and Gynaecology. III. Obstetrical and Gynaecological Society, Singapore. IV. Title
ISBN 0-85200151-7 LC: 76-677205
04NLM: QU 90 S99o 1976
IM Cit. No. 7701471

V

Venous thromboembolism : prevention and treatment / edited by John L. Madden, Michael Hume. -- New York : Appleton-Century-Crofts, c1976. xii, 240 p. : ill. Developed from a symposium held in New York on Jan. 21, 1976.

1. Thrombophlebitis - prevention & control - congresses 2. Thrombophlebitis - therapy - congresses I. Hume, Michael, 1924- II. Madden, John L.
ISBN 0-8385-9406-9 LC: 76-55076
04NLM: WG 610 V465 1976
IM Cit. No. 7701975

W

Workshop "Mathematische Modelle in der Medizin," Mainz, 1976. Mathematical models in medicine : Workshop, Mainz, March 1976 / edited by J. Berger ... [et al.]. -- Berlin ; New York : Springer-Verlag, 1976. xii, 281 p. : ill. -- (Lecture notes in biomathematics ; v. 11) Temporary cataloging. Workshop held by the Group of "Mathematical Models" of the Deutsche Gesellschaft für Medizinische Dokumentation, Informatik und Statistik.

1. Medicine - congresses 2. Models, Biological - congresses 3. Models, Theoretical - congresses 4. Pharmacology - congresses I. Berger, Jürgen, ed. II. Deutsche Gesellschaft für Medizinische Dokumentation, Informatik und Statistik. Group of "Mathematical Models". III. Title IV. Series
ISBN 3-540-07802-9
04NLM: W1 LE334 v.11 1976
0XNLM: [QT 34 W8935m 1976]
IM Cit. No. 7701641

CHANGES TO THE INDEX TERMS USED IN CANCERPROJ

The following additions and changes have been made to the Subject Captions (SC) terms in CANCERPROJ, effective February 1977. Please make sure you note these changes in your Hierarchical and Alphabetical Listings.

Changes

GENETIC & EMBRYONIC CARC. to EMBRYONIC CARCINOGENESIS
 EFFECT ON CULTURED CELLS to EFFECT DRUGS ON CULTURED CELLS
 EFFECTS ON IMMUNE SYSTEM to EFFECTS DRUGS ON IMMUNE SYSTEM
 MYELOMA (0384.70.080) to MYELOMA, PARAPROTEINEMIAS
 LUNG & PELURA to LUNG AND PLEURA
 KIDNEY (0384.70.350.20) to KIDNEY TUMOR THERAPY
 BONE CANCER (0384.70.500) to BONE TUMOR THERAPY
 RNA CANCER VIRUSES to RODENT RNA CANCER VIRUSES
 RAUSHER VIRUSES to RAUSCHER VIRUSES
 OTHER LEUKEMIA/SARCOMA VIRUSES to OTHER RODENT RNA TUMOR VIRUSES
 MAMMARY TUMOR VIRUSES to MAMMARY TUMOR VIRUSES (MTV)
 EFFECTS OF LEUKEMIA VIRUSES to EFF. OF LEUKEMIA/SARCOMA VIR.
 ANTIGEN MODULAT & COMPETITION to ANTIGEN MODULATION & DELETION
 CANCER RELATED BIOCHESTRY to CANCER RELATED BIOCHEMISTRY
 SPLEEN AND BONE MARROW to SPLEEN

Additions

BURKITT'S LYMPHOMA	0384.70.100.20
OTHER TRACE METALS AND WORKERS	0385.20.100.25
COKE WORKERS	0385.20.100.35
OTHER PLASTICS AND WORKERS	0385.20.200.07
RADIOLOGISTS & RADIOTHERAPISTS	0385.22.300
HAMSTER/GUINEA-PIG-RNA-VIRUSES	0386.05.300.45
DNA REPAIR	0388.20.100.25

*If you prefer a completely new set of updated listings, write
 Donna J. Wicker, Data Base Coordinator, National Cancer Institute, ICRDB
 Program, 9000 Rockville Pike, Bethesda, Maryland 20014.



THE NLM TECHNICAL BULLETIN

FORMED BY THE UNION OF
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MAY 1977

NO. 97

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TECHNICAL NOTES

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

Whenever applicable, the heading of each Technical Note will include a reference to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with May citations on April 11, 1977. The sizes, Index Medicus date ranges and entry dates are given below:

MEDLINE (Jan 75 - May 77)	661,859
(Entry dates 741205 to 770401)	
SDILINE (May 77)	24,767
(Entry dates 770315 to 770401)	

LINE FEED IN OFF POSITION FOR LOGIN (Manual II)

Many terminals have an option for sending a line feed after the carriage return. ELHILL 3 will not accept this line feed when it is transmitted after a carriage return. Two modes (Direct Dial and TELENET) of network access do not strip this character before transmission to the NLM Systems. It is recommended that this feature be in the off position when using the NLM On-Line Systems.

MODIFICATIONS TO ELHILL 3

- 1) KEEP is now an alias for RESTACK.
- 2) An error message will now appear if during OFFSEARCH more than 6 files are searched. The limit is 6 at a time.
- 3) Users may now explain data bases regardless of which file they are connected to.

EXAMPLE:

(User is connected to the MEDLINE file)

USER:

"EXPLAIN CATLINE

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Assistant Editors: Yvonne B. Scott
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Technical Notes Editor: Carolyn B. Tilley

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

CHANGES IN LANGUAGE SUBHEADINGS IN CATLINE (Manual VIII-C)

The following changes have been made to CATLINE language subheadings in existing records and will be employed in future records. Please revise your 77 MeSH Appendix C.

DELETE

Annamese
Croatian
Flemish
Mohammedan
Tamashek
Siamese

CHANGE

<u>From</u>	<u>To</u>
Azerbaidzhan	Azerbaijani
Georgic	Georgian
Greek	Greek, Modern
Mongolian	Mongol
Persian	Persian, Modern
Pushtu	Pushto
Serbo-Croatian	Serbo-Croatian (Cyrillic)
Slavic	Slavic (Other)
Ukranian	Ukrainian

ADD

Central American Indian (Other)
Serbo-Croatian (Roman)
Burmese
Maori
Marathi
Multilingual
North American Indian (Other)
Turkish

An updated list of MEDLARS Languages and Abbreviations (Manual V-A, MEDLINE APPENDIX A) will be included with the next issue of the NLM Technical Bulletin.

TOXLINE UPDATE - MAY 23, 1977

TOXLINE was updated with 5,137 records as follows:

<u>SUBFILE</u>	<u>COVERAGE</u>	<u>RECORDS ADDED</u>
CBAC	VOL. 25, ISSUE 9	1,602
HEEP	JUNE 1977	1,096
IPA	MARCH 1977	599
PESTAB	MARCH 1977	234
TOXBIB	JUNE 1977	<u>1,606</u>
	TOTAL	5,137

The update tag is 0577 (ST). This brings the total number of records in TOXLINE to 432,358.

AVLINE UPDATE
Virginia White, Technical Services Division, NLM

AVLINE PUBLICATIONS

Portions of the AVLINE data base have been published in print format and are available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402.

The National Library of Medicine Current Catalog, January-March 1977 lists 350 titles added to the AVLINE file during the first quarter of 1977. The subject section lists bibliographic and review data with each citation; the name section includes abstracts; the procurement section lists names and addresses of distributors. The price is \$6.00; the GPO catalog number is HE 20.3609.

The National Library of Medicine Audiovisual Center Catalog; Audiovisuals for the Health Scientist lists 850 16 mm motion pictures and 3/4-inch videocassettes available on short-term free loan from NMAC in Atlanta, Georgia. The catalog has two sections - the subject section lists bibliographic and review data with each citation; the name/title section includes abstracts. The price is \$4.25; the GPO stock number is 017-052-00181-7.

The National Library of Medicine AVLINE Catalog, covering 2400 titles added to the data base in 1975 and 1976, is currently being printed by the Government Printing Office. It will contain only a subject section listing bibliographic and review data. Abstracts will not be included. The catalog will be available in mid-summer.

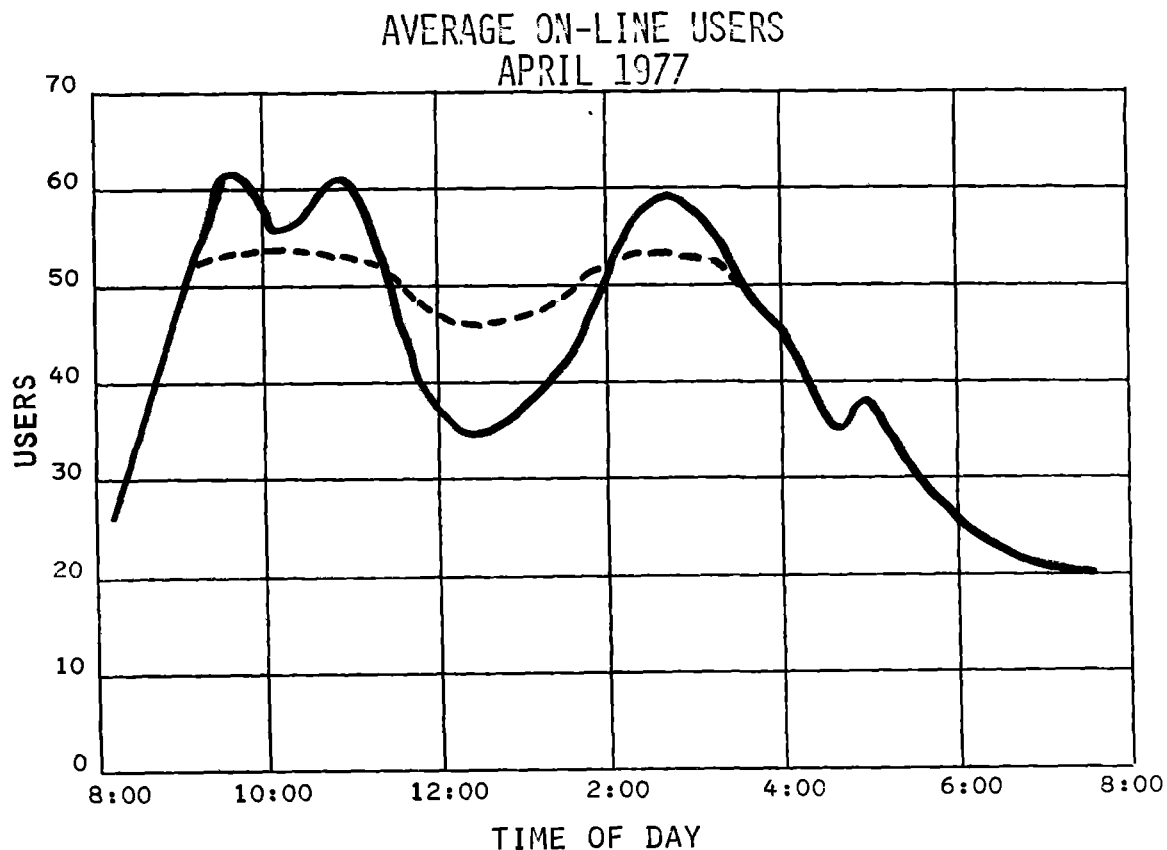
INCREASED NON-PRIME TIME ON AN EXPERIMENTAL BASIS
Joseph Leiter, Ph.D., Associate Director, Library Operations

During July and August 1977, the National Library of Medicine is making the period between 11:30 a.m. and 1:00 p.m. eastern time non-prime time. The rate for connect time during this period will be \$8.00 per connect hour rather than \$15.00 per connect hour during this experimental period only. This new rate applies to SUNY as well as NLM connect time and includes MEDLEARN. Non-U.S. centers are not affected by this experimental rate change.

If this experiment is successful, NLM may continue the non-prime time between 11:30 to 1:00. We will be carefully monitoring usage patterns during July and August to determine whether the non-prime rate encourages users to use the system during non-peak times.

Below is a chart which depicts the typical connect time usage patterns on the NLM computer. The figures are actually for the month of April. You will note that most users are on the system around 10:00 and 2:00 and that the time between 11:30 to 1:00 is under-utilized. This same phenomena is observed at SUNY. As mentioned earlier, the experimental non-prime rate will be in effect for NLM and SUNY connect time during July and August.

The purpose of this experiment is to determine whether the peaks occurring at 10:00 a.m. and 2:00 p.m. can be reduced and spread over the entire period of 10:00 a.m. to 2:00 p.m. as indicated by the dotted line. Since the capacity of the system is determined by the peak demands, the net effect of such a leveling of peaks would be to increase the total capacity of the system and to provide better and faster service. If this experiment is successful we can not only assure you of better service but in addition provide more time at the non-prime rates.



THE CLINPROT DATA BASE
Donna J. Wicker, ICRDB, OIA, NCI

On May 9, 1977 a new data base, CLINPROT (CLINical Cancer PROTOcols), was made available to all U.S. and foreign users of the NLM on-line computer system.

This data base is sponsored by the International Cancer Research Data Bank (ICRDB) Program of the National Cancer Institute and should be considered an experimental data base. The present format of the file as well as it's continued availability depends on the feedback received by the ICRDB Program during this experimental period.

CLINPROT contains approximately 1,000 summaries of clinical investigations of new anticancer agents and treatment modalities. Most of the protocols were supplied by the Division of Cancer Treatment (DCT) of the National Cancer Institute. Several hundred have also been supplied by major U.S. cancer centers and by sources outside the United States.

The file contains detailed descriptions of all phases of clinical trials: Phase I studies which attempt to define an agent's limiting toxicities, time courses, dose-response relationships, etc.; Phase II studies primarily designed to specify unambiguously the types of tumors which do or do not respond; Phase III which must establish the efficacy of a drug as a meaningful treatment and Phase IV which develops the use of this drug in combination with other therapies. The bulk of the file will be Phase II and Phase III studies.

The protocol descriptions will also define the entry criteria for the patient (e.g. acute leukemia with no prior therapy and no more than 30% blasts in the bone marrow), give the details of the therapy, and provide the dose schedule, special study parameters and the various medical data collected and followed.

CLINPROT is a small highly specialized file which should be most useful to a narrow segment of the total NLM user base. It is primarily designed for clinical oncologists who are actively engaged in the development and testing of new clinical protocols. However, it may also be useful to other clinicians who may wish to be aware of new cancer treatment methods currently being evaluated in controlled clinical trials.

The experimental nature of these protocols is emphasized by a paragraph in each record which states: "Warning: Many of these agents are hazardous and have FDA approval only for clinical investigations by specialists in clinical oncology. In many cases, the protocols are not yet known to be more effective than existing treatment methods."

The unit record is listed below with a description of the data elements.

UNIT RECORD DESCRIPTION*

<u>Category Names</u>	<u>Category Qualifier</u>	<u>Search</u>	<u>Print</u>	<u>Print Full</u>
Investigator	IR	X	X	X
ID Number	ID	X	X	X
Title	TI		X	X
Location	LO		X	X
Stratification Points	SP	X		X
Protocol Phase	PH	X	X	X
Abstract	AB			X
Supporting Agency	SA			X
Begin Date	BD			
End Date	ND			
Fiscal Year	FY	X		
Type of Award	AT	X		
SSEI Accession Number	AC	X		
Performing Organization	PO	X		
Country (or State)	CO	X		
Entry Date	ED	X		
Subject Captions	SC	X		
Hierarchical Subject Codes	HC	X		
Correction Date	CD	X		
Text Words	TW	X		

*All data elements will be displayed with the "PRT DETAILED command.

UNIT RECORD EXPLANATION

1. Investigator - the name of the principal investigator or the cooperative group chairman.
2. ID Number - the supporting agency's identification number and/or the protocol number.
3. Title - the title of the protocol.
4. Location - the name and address of the group conducting the studies.
5. Stratification Points - the entry criteria (parameters) by which patients are chosen.
6. Protocol Phase - the phase of the drug studies.
7. Abstract - a summary of the protocol which includes the objective, approach, dosing schedules, etc.
8. Supporting Agency - the name of the agency which is funding these investigations.
9. Begin Date - the date of first patient entry.

10. End Date - the date the last patient enters the study.
11. Fiscal Year - the fiscal year the studies were funded.
12. Type of Award - an indication of the type of award that was made, grant or contract.
13. SSIE Accession Number - a sequential number input by SSIE as they process the protocols.
14. Performing organization - the name of the group conducting the studies.
15. Country (or State) - the name of the country where the studies are taking place. For U.S., the name of the state and/or USA can be used as a search term.
16. Entry Date - the date the protocol was entered into the NLM computer system.
17. Subject Caption - the specific SSIE indexing terms added.
18. Hierarchical Subject Codes - the numeric codes for each of the specific index terms added.
19. Correction Date - the date when a major change was made to the record.
20. Text Words - all the significant words which appeared in the Title field the Abstract field and the Hierarchical Terms field.

A more complete description of the clinical protocol file will appear in the CLINPROT manual. The new manual will be mailed to all users with the next update to the On-Line Services Reference Manual. Until that time, see the CANCERPROJ manual for a description of the format for searchable data elements.

Free-text searching is the primary searching mechanism but each record is also indexed, as is CANCERPROJ, with controlled terms from the SSIE thesaurus. These controlled terms (Subject Captions) can also be used in searching the data base. The feasibility of enriching the protocol summaries with MeSH terms is being explored.

The ICRDB Program would appreciate any comments or suggestions you may have which would improve this data base. Please send them to the following address:

National Cancer Institute
ICRDB Program
Blair Building, Room 128
8300 Colesville Road
Silver Spring, Maryland 20910

INITIAL ON-LINE SERVICES TRAINING CLASS AT NLM
MAY 2 - 6, 1977

Judith Ashmore
Marine Biological Laboratory
Woods Hole, Massachusetts

Patricia Bissonnette
American Medical Association
Chicago, Illinois

Christine Connor
St. Barnabas Medical Center
Livingston, New Jersey

Rayna Genetti
Central Maine General Hospital
Lewiston, Maine

Louise Geroulo
Veterans Administration Hospital
Lyons, New Jersey

Bonnie Grizzard
Philadelphia College of
Pharmacy and Science
Philadelphia, Pennsylvania

Jill Hankison
The Upjohn Company
Kalamazoo, Michigan

Florence Jordan
National Institute of
Environmental Health Sciences
Research Triangle Park, North Carolina

Judy Krivanek
Dwight D. Eisenhower Army
Medical Center
Ft. Gordon, Georgia

Frank Leon
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Bethesda, Maryland

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Veterans Administration Hospital
Wilkes-Barre, Pennsylvania

Karen Reynolds
Merck Sharp & Dohme
West Point, Pennsylvania

Francis Scalzi
Veterans Administration Hospital
Erie, Pennsylvania

David Self
SIU School of Medicine
Springfield, Illinois

Karen Slater
University of Maryland
College Park, Maryland

Kay White
National Medical Audiovisual Center
Atlanta, Georgia

Katherine Wimmer
St. Joseph Hospital
Chicago, Illinois

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

The following substantive serial titles were received or ordered by the Serial Records Section during the month of April. An asterisk (*) indicates that an issue has actually been received in the Library. PLEASE NOTE: NLM CANNOT FILL LOANS FOR TITLES WITHOUT THE ASTERISK (*). THEY HAVE NOT YET BEEN RECEIVED BY THE LIBRARY. The list 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 SURGICAL
 PATHOLOGY
 1, 1977--
 Masson Publishing USA
 New York, New York

BUECHEREI DES PNEUMOLOGEN
 1, 1975--
 Georg Thieme Verlag
 Stuttgart, West Germany

COLLANA CISI DI STUDI MEDICO -
 SOCIALI E DI PROGRAMMAZIONE
 SOCIO - SANITARIA
 1, 1974--
 Centro Italiano studi e indagini
 per la programmazione sanitaria
 e sociale
 Rome, Italy

CHICOREL INDEX TO MENTAL HEALTH
 BOOK REVIEWS
 1, 1976--
 Chicorel Library Pub Corp
 Cont Mental
 New York, New York

COGNITIVE THERAPY AND RESEARCH
 1, 1977--
 Plenum
 New York, New York

COMMUNICATIONS IN PSYCHOPHARMACOLOGY
 1, 1977--
 Pergamon Press
 Oxford, England

CONVULSIVE THERAPY BULLETIN WITH
 TARDIVE DYSKENESIA NOTES
 1, 1976--
 International Psychiatric
 Association for the Advancement
 of Electrotherapy
 Portland, Oregon

DEATH EDUCATION
 1, 1977--
 Hemisphere Pub
 Washington, DC

DIABETES
 1, 1976--
 Asociacion Venezolana de Diabetes
 Seccional Metropolitana
 Caracas, Venezuela

DOKUMENTATION MEDIZIN IM
 UMWELTSCHUTZ
 1, 1977--
 Institut fur Dokumentation und
 Information Uber Sozialmedizin
 Cont of Dokumentation; Reinhaltung
 der Luft and Medizin
 Bielefeld, Germany

EMPLOYEE BENEFITS JOURNAL
 1, 1975--
 International Foundation of
 Employee Benefit Plans
 Brookfield, Wisconsin

HEALTH FACILITIES COURT DIGEST
 1, 1977--
 Health Facilities Court Digest
 New York, New York

HEALTH PLANNING BIBLIOGRAPHY SERIES
 1, 1976--
 U.S. Health Resources
 Administration
 Rockville, Maryland

HEALTH SAFETY AND EDUCATION
 465, 1977--
 Predicasts Inc
 Cont of Health and Education
 Cleveland, Ohio

HOSPITAL AND HEALTHCARE REPORT
1, 1977--
Amacom
New York, New York

JOURNAL OF FOOD QUALITY
1, 1977--
Food and Nutrition Press
Westport, Connecticut

*JOURNAL OF PSYCHIATRIC EDUCATION
1, 1977--
Human Sciences Press
New York, New York

*JOURNAL OF VISUAL IMPAIRMENT
AND BLINDNESS
1, 1977--
American Foundation for the Blind
Supersedes New Outlook for the
Blind and the Foundation's
Research Bulletin
New York, New York

MOTOR SKILLS: THEORY INTO PRACTICE
1, 1976--
Herbert H. Lehman College,
Dept of Dhper
New York, New York

POLICY ANALYSIS
1, 1975--
U of California Press
Berkeley, California

POPULATION/FOOD PAPERS
1, 1976--
Population Food Fund
Grand Forks, North Dakota

PROCEEDINGS OF ANNUAL MEETING -
AMERICAN ASSOCIATION OF VETERINARY
LABORATORY DIAGNOSTICIANS
17, 1974--
American Association of
Veterinary Laboratory
Diagnosticians
Cont of same title published
inside the Proceedings, Annual
Meeting - United States
Animal Health Association
Madison, Wisconsin

PROCEEDINGS OF THE INTERNATIONAL
CONGRESS ON MENOPAUSE
1, 1976--
University Park Press
Baltimore, Maryland

*RAYS
1, 1976--
Edizioni Minerva Medica
Rome, Italy

REGIONAL ANESTHESIA
1, 1976--
American Society of Regional
Anesthesia
Richmond, Virginia

TOPICS IN ENZYME AND FERMENTATION
BIOTECHNOLOGY
1, 1977--
John Wiley and Sons
New York, New York

LIST OF MONOGRAPHS INDEXED

JUNE 1977

B

British Society for Parasitology. Genetic aspects of host-parasite relationships / edited by Angela E. R. Taylor and R. Muller. -- Oxford : Blackwell Scientific Publications ; Philadelphia : distributed in the U. S. A. by Lippincott, 1976. vii, 110 p. : ill. -- (British Society for Parasitology. Symposia ; v. 14)
 1. Genetics - congresses 2. Parasites - congresses 3. Parasitic Diseases - immunology - congresses 4. Symbiosis - congresses I. Muller, R., ed. II. Taylor, Angela E. R., ed. III. Title IV. Series
 ISBN 0-632-00099-6
 04NLM: W3 BR46 v.14 1976
 01HMS: QX 3 B862 v.14 1976
 0KNLM: [QX 4 B862g 1976] Cit. No. 7701418
 IM Price: 11.00

C

Chromaffin, enterochromaffin & related cells : a Naito Foundation symposium / edited by R. E. Coupland and T. Fujita. -- Amsterdam ; New York : Elsevier Scientific Pub. Co., 1976. xiii, 400 p. : ill. Symposium held in 1975 in Gifu, Japan.
 1. Chromaffin System - congresses 2. Cytology - congresses I. Coupland, Rex Ernest, ed. II. Fujita, Tsuneo, 1929- ed. III. Naito Kinen Kagaku Shinko Zaidan.
 ISBN 0-444-41448-7
 04NLM: WK 725 C557 1975
 IM Cit. No. 7701394
 Price: 49.95

Conference on Extending the Validity of Certification, Chicago, 1976. Conference on Extending the Validity of Certification, March 24, 1976, Chicago, Illinois. -- Evanston, Ill. : American Board of Medical Specialties, c1976. 54 p. : ill.
 1. Certification - congresses 2. Professional Standards Review Organizations - congresses 3. Specialties, Medical - standards - U. S. - congresses I. American Board of Medical Specialties.
 LC: 76-46771
 04NLM: W 40 AA1 C7c 1976
 IM Cit. No. 7702274

E

Ethics of newborn intensive care / edited by Albert R. Jonsen and Michael J. Garland. -- San Francisco : Health Policy Programs, School of Medicine, Univ. of California ; Berkeley : Institute of Governmental Studies, Univ. of California, 1976. xv, 193 p. : ill. A symposium organized in May 1974 by the Health Policy Program, and the Dept. of Pediatrics, both of the School of Medicine, University of California, San Francisco.
 1. Critical Care - in infancy & childhood - congresses 2. Ethics, Medical - congresses 3. Infant, Newborn, Diseases - therapy - congresses 4. Intensive Care Units - congresses I. Garland, Michael J., ed. II. Jonsen, Albert R., ed. III. University of California, Berkeley. Institute of Governmental Studies. IV. University of California, San Francisco. Dept. of Pediatrics. V. University of California, San Francisco. Health Policy Program.
 ISBN 0-87772-216-1 LC: 76-47016
 04NLM,01HMS: W 50 E845 1974
 IM Cit. No. 7702295

I

Immune RNA in neoplasia / edited by Mary A. Fink. -- New York : Academic Press, c1976. xxiii, 316 p. : ill. -- (Academic Press rapid manuscript reproduction) Proceedings of the conference held at the Marine Biological Laboratory, Woods Hole, Mass., Oct. 8-11, 1975.
 1. Neoplasms - therapy - congresses 2. Neoplasms, Experimental - immunology - congresses 3. RNA - therapeutic use -

congresses I. Fink, Mary A. II. Marine Biological Laboratory, Woods Hole, Mass.
 ISBN 0-12-256940-7 LC: 76-49873
 04NLM,01HMS: QZ 266 I34 1975
 IM Cit. No. 7702317

International Bari Conference on the Genetic Function of Mitochondrial DNA, Riva del Tessall, Italy, 1976. The genetic function of mitochondrial DNA : proceedings of the 10th International Bari Conference on the Genetic Function of Mitochondrial DNA, Riva del Tessall, Italy, 25-29 May 1976 / editors, C. Saccone and A. M. Kroon. -- Amsterdam ; New York : North-Holland Pub. Co., 1976. xiii, 354 p. : ill. Organized by members of the Laboratory of Biochemistry of the University of Bari, in collaboration with others.
 1. DNA, Mitochondrial - congresses 2. Genetics, Biochemical - congresses I. Kroon, A. M., ed. II. Saccone, C., ed. III. Università degli studi di Bari. Istituto di chimica biologica. IV. Title
 ISBN 0-7204-0586-6
 04NLM: QH 603.M5 I59g 1976
 IM Cit. No. 7700279

International Conference on Tests of Teratogenicity in Vitro, Woods Hole, Mass., 1975. Tests of teratogenicity in vitro : proceedings of the international Conference on Tests of Teratogenicity in Vitro, Woods Hole, Mass., 1-4 April, 1975 / editors, J. D. Ebert, M. Marois. -- Amsterdam ; New York : North-Holland Pub. Co., 1976. 494 p. : ill. At head of title: Institut de la vie.
 1. Abnormalities - etiology - congresses 2. Cells, Cultured - congresses 3. Embryology - congresses 4. Organ Culture - congresses 5. Teratogens - pharmacodynamics - congresses I. Ebert, James David, 1921- ed. II. Marois, Maurice, 1922- ed. III. Institut de la vie.
 IV. Title
 ISBN 0-7204-0476-2 LC: 76-18695
 04NLM: QS 675 I593t 1975
 IM Cit. No. 7702389

International Conference on Women in Health, Washington, D. C., 1975. Proceedings of the International Conference on Women in Health, June 16-18, 1975, Washington, D. C. / sponsored by Health Resources Administration. -- Washington : U. S. Dept. of Health, Education and Welfare, Public Health Service, Health Resources Administration, Bureau of Health Manpower, Division of Medicine, 1976. xvi, 204 p. : ill., ports. -- (DHEW publication ; no. (HRA) 76-51) Caption title: Sex roles in the health sector. Includes bibliographies.
 1. Allied Health Personnel - utilization - congresses 2. Identification (Psychology) - congresses 3. Physicians, Women - utilization - congresses 4. Women - congresses I. U. S. Bureau of Health Manpower. Division of Medicine. II. U. S. Health Resources Administration. III. Title
 IV. Title: Sex roles in the health sector V. Series
 04NLM: W 21.5 I61p 1975
 IM Cit. No. 7702366

International Symposium on Membrane Receptors of Lymphocytes, Paris, 1975. Membrane receptors of lymphocytes : proceedings of the International Symposium on Membrane Receptors of Lymphocytes, held in Paris, 22-24 May, 1975 / sponsored by Délégation générale à la recherche scientifique et technique, Institut national de la santé et de la recherche médicale and the World Health Organization ; editors, M. Seligmann, J. L. Preud'homme, F. M. Kourilsky. -- Amsterdam ; North-Holland Pub. Co. ; New York : American Elsevier, c1975. xvi, 475 p. : ill. -- (INSERM symposium ; no. 1)
 1. Immunity, Cellular - congresses 2. Lymphocytes - immunology - congresses I. Kourilsky, F. M., ed. II. Preud'homme, J. L., ed. III. Seligmann, M., 1927- ed. IV. Délégation générale à la recherche scientifique et technique. V. Institut national de la santé et de la recherche médicale. VI. World Health Organization. VII. Title VIII. Series
 ISBN 0-444-10924-2 LC: 76-25843

04NLM: W3 I35 no.1 1975
 0XNLM: [WH 200 I61m 1975]
 IM

Cit. No. 7702342

N

Nobel Symposium, 33d, Stockholm, Mar. 2-4, 1976.
 Molecular and biological aspects of the acute
 allergic reaction / edited by S. G. O. Johansson and
 Kjell Strandberg and Börje Uvnäs. -- New York :
 Plenum Press, c1976 xi, 463 p. : ill.

1. Allergens - congresses 2. Antigen-Antibody
 Reactions - congresses 3. Hypersensitivity -
 congresses I. Johansson, S. G. O., 1938- ed.
 II. Strandberg, Kjell, ed. III. Uvnäs, Börje Karl
 Magnus, 1913- ed. IV. Title
 ISBN 0-306-33703-7 LC: 76-26677
 04NLM: W3 NO369 1976m
 0XNLM: [QW 900 N744 1976m]
 IM

Cit. No. 7702680

P

Prenatal diagnosis = diagnostic prénatal : colloque,
 Paris, 3-5 juin 1976 / edited by André Boué. -- Paris
 : INSERM, 1976. 330 p. : ill. Proceedings of a
 conference organized by the Institut national de
 la santé et de la recherche médicale. Some
 summaries in English or French.

1. Prenatal Diagnosis - congresses I. Boué,
 André, ed. II. Institut national de la santé et
 de la recherche médicale. III. Title: Diagnostic
 prénatal
 ISBN 2-85598-148-4
 04NLM: WQ 210 P924 1976
 IM

Cit. No. 7701924

R

Recent trends in medical education : report of a
 Macy conference / edited by Elizabeth F. Purcell.
 -- New York : Josiah Macy, Jr. Foundation, c1976.
 vii, 297 p. : ill. Edited presentations and summaries
 of discussions from the conference held in Aspen,
 Colo. in Sept. 1975.

1. Education, Medical - U. S. - congresses I.
 Purcell, Elizabeth F., ed. II. Josiah Macy, Jr.,
 Foundation. III. Title: Macy conference on
 recent trends in medical education
 ISBN 0-914362-18-6 LC: 76-40568
 04NLM,01HMS: W 18 R295 1975
 IM

Cit. No. 7702373

Price: 7.50

T

The Therapeutic potential of marihuana / edited
 by Sidney Cohen and Richard C. Stillman. -- New
 York : Plenum Medical Book, c1976. xii, 515 p. :
 ill. "Proceedings of a conference on the
 therapeutic potential of marihuana held at the
 Asilomar Conference Center in Pacific Grove,
 California, November 1975. Conference and
 proceedings organized and produced by Plog
 Research, Inc. for the National Institute on Drug
 Abuse, under Contract no. 271-75-3015."

1. Cannabinoids - therapeutic use - congresses
 2. Cannabis - analysis - congresses 3.
 Tetrahydrocannabinol - therapeutic use -
 congresses I. Cohen, Sidney, 1910- ed.
 II. Stillman, Richard C., ed. III. National
 Institute on Drug Abuse. IV. Plog Research,
 Inc. V. Title: Proceedings of a conference on
 the therapeutic potential of marihuana
 ISBN 0-306-30955-6 LC: 76-17106
 04NLM: QV 109 T398 1975
 IM

Cit. No. 7702734

W

Workshop on Selection of Immunogens for a caries
 Vaccine and Cross Reactivity of Antisera to Oral
 Microorganisms with Mammalian Tissues,
 National Institutes of Health, 1976. Immunologic
 aspects of dental caries (a special supplement to
 Immunology abstracts) : proceedings ... / edited
 by William H. Bowen, Robert J. Genco, Thomas C.
 O'Brien ; sponsored by National Caries Program,
 National Institute of Dental Research, National
 Institutes of Health. -- Washington : Information
 Retrieval, c1976. ix, 222 p. : ill.

1. Dental Caries - Immunology - congresses I.
 Bowen, William H., ed. II. Genco, Robert J.,
 ed. III. O'Brien, Thomas C., ed. IV.
 Immunology abstracts. V. National Institute of
 Dental Research. National Caries Program. VI.
 Title
 ISBN 0-917000-00-5 LC: 76-8119
 04NLM: WU 270 W9261 1976
 IM

Cit. No. 7701848

KEYWORD INDEX TO NLM LITERATURE SEARCHES (NOS. 74-1 -- 76-39)
 Geraldine Nowak
 MEDLARS Management Section, NLM

L.S. NO.	TITLE
75-29	ABUSE Child (Updates LS 73-28)
75-23	ACCIDENTS Prevention of industrial
74- 5	ACUPUNCTURE (Updates LS 73-9)
75- 2	ACUPUNCTURE (Updates LS 74-5)
76-38	ADDICTION Neonatal drug
75- 8	ADOLESCENT Hypertension in the child and
76-19	ADOLESCENTS Health services for
74-20	ADVERSE effects of oral contraceptives
76-11	ADVERSE effects of oral contraceptives as related to blood coagulation
75-25	ADVERSE effects of vinyl chloride
74-22	AGED (Includes nutritional deficiency states) Nutrition for the
74- 8	ALLIED health occupation education Audiovisual aids, and computer assisted and programmed instruction in (Updates LS 72-13)
76-32	AMBULANCE service (Updates LS 72-26, 72-27, 76-28)
76- 2	AMNIOCENTESIS
76-22	ANTIGEN and cancer Carcinoembryonic
76-20	ASPIRIN and blood coagulation
76-13	ATTITUDE towards death
74- 8	AUDIOVISUAL aids, and computer assisted and programmed instruction in allied health occupation education (Updates LS 72-13)
74- 9	AUDIOVISUAL aids, and computer assisted and programmed instruction in dental education (Updates LS 72-12)
74- 6	AUDIOVISUAL aids, and computer assisted and programmed instruction in medical education (Updates LS 72-10)
74- 7	AUDIOVISUAL aids, and computer assisted and programmed instruction in nursing education (Updates but also includes citations from LS 72-11)
75-20	AUDITORY evoked response (ERA) in the infant and preschool child
75-28	AXIAL tomography) EMI scanner (Computerized
74-21	B VITAMINS in pregnancy and oral contraception The
75-22	BCG and cancer
74-13	BIRTH weight infants causation, complications, development Low
76-11	BLOOD coagulation Adverse effects of oral contraceptives as related to
76-20	BLOOD coagulation Aspirin and
74-19	BRAIN dysfunction (Includes all aspects except therapy) Hyperactivity due to minimal
74-18	BRAIN dysfunction Therapy of hyperactivity due to minimal
75-17	BREAST cancer: epidemiology, etiology, genetics, immunology and pathology
75- 5	BREAST cancer Psychological aspects of
75-18	BREAST cancer: therapy
74-12	BREAST neoplasms in the male
74- 1	BURNS Nutrition in
74-11	BYPASS for morbid obesity Intestinal
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

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
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
76- 7 CHINA Medicine and health in
75- 6 CLINICAL control, reliability and standards
 in clinical laboratories (Updates LS 71-25)
76-11 COAGULATION Adverse effects of oral contraceptives as related to blood
76-20 COAGULATION Aspirin and blood
75-12 COMPLIANCE in therapy Patient
74- 8 COMPUTER assisted and programmed instruction in allied health
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74- 9 COMPUTER assisted and programmed instruction in dental
 education Audiovisual aids and (Updates LS 72-12)
74- 6 COMPUTER assisted and programmed instruction in medical
 education Audiovisual aids and (Updates LS 72-10)
74- 7 COMPUTER assisted and programmed instruction in nursing
 education Audiovisual aids and (Updates LS 72-11)
75-28 (COMPUTERIZED axial tomography) EMI Scanner
76- 5 CONFIDENTIALITY of medical records
74-16 CONSENT Informed
76-35 CONSENT Informed (Updates LS 74-16)
74-21 CONTRACEPTION The B vitamins in pregnancy and oral
75-24 CONTRACEPTION in males
74-20 CONTRACEPTIVES Adverse effects of oral
74- 3 COUNSELING Genetic
76-10 COUNSELING Genetic (Updates LS 74-3)
76-13 DEATH Attitude towards
74-14 DEATH by family and social and legal institutions Reaction to infant
76-17 DEATH in infants Sudden unexpected
76-18 DEATH Sudden cardiac
76- 8 DENTAL care for the handicapped
74- 9 DENTAL education Audiovisual aids, and computer assisted and
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75-11 DENTISTRY Hypnosis in
76-30 DEPRESSION Post-partum
75-21 DEVICES -- Safety, regulation and legislation (with emphasis
 on devices directly used by patients) Medical
75-16 DIAGNOSIS and treatment of myocardial infarction, 1974-1975
75-15 DIETARY fiber
75- 3 DIETHYLSTILBESTROL and gynecologic neoplasms
76-25 DNA Recombinant
76-38 DRUG addiction Neonatal
76-21 ECOSYSTEM Pesticides and the
74- 8 EDUCATION Audiovisual aids, and computer assisted and programmed
 instruction in allied health occupation (Updates LS 72-13)
74- 9 EDUCATION Audiovisual aids, and computer assisted and programmed
 instruction in dental (Updates LS 72-12)
74- 6 EDUCATION Audiovisual aids, and computer assisted and programmed

instruction in medical (Updates LS 72-10)
 74- 7 EDUCATION Audiovisual aids, and computer assisted and programmed
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 75- 7 EDUCATION Patient
 75-19 EFFECTS of microwave radiation
 75- 9 ELDERLY Hypertension in the
 75-28 EMI scanner (Computerized axial tomography)
 75-14 ESSENTIAL hypertension in the U.S.) Hypertension: diagnosis,
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 76-6 ETHNIC and racial factors in hypertension (emphasis on
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 75-20 EVOKED response (ERA) in the infant and preschool child Auditory
 76- 4 EXPERIMENTATION Human (Updates LS 73-4)
 76-23 EXPRESSION Histones and gene
 75-15 FIBER Dietary
 76-14 FLUORIDATION Water
 76- 1 FUNDING of cancer detection and therapy Government/non-government
 76-23 GENE expression Histones and
 74- 3 GENETIC counseling
 76-10 GENETIC counseling (Updates LS 74-3)
 74- 4 GENETIC intervention (with emphasis on ethical, legal and religious
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 76- 1 GOVERNMENT/non-government funding of cancer detection and therapy
 75- 3 GYNECOLOGIC neoplasms Diethylstilbestrol and
 76- 8 HANDICAPPED Dental care for the
 75-10 HANDICAPPED patients Rights of mentally
 76-37 HEALTH care to the poor in the U.S. Provision of (Updates LS 72-21)
 76- 7 HEALTH in China Medicine and
 76-19 HEALTH services for adolescents
 75- 4 HEART diseases Hypertension and smoking related to
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 75- 8 HYPERTENSION in the child and adolescent
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 76- 6 HYPERTENSION (emphasis on U.S. studies) Ethnic and racial
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 75-11 HYPNOSIS in dentistry
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 75-30 INDUCTION Labor
 75-23 INDUSTRIAL accidents Prevention of
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 75-27 INFANT sleep
 74-13 INFANTS causation, complications, development Low birth weight
 76-17 INFANTS Sudden unexpected death in
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 74- 8 INSTRUCTION in allied health occupation education Audiovisual aids,
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 74- 9 INSTRUCTION in dental education Audiovisual aids, and computer
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 74- 6 INSTRUCTION in medical education Audiovisual aids, and computer
 assisted and programmed (Updates LS 72-10)
 74- 7 INSTRUCTION in nursing education Audiovisual aids, and computer
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 76-36 INTERFERON and interferon inducers in cancer The role of
 74- 4 INTERVENTION (with emphasis on ethical, legal and religious
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 75-30 LABOR induction
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 76- 5 MEDICAL records Confidentiality of
 76- 9 MEDICAL records Problem oriented
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 76-34 NATIONAL Library of Medicine: selected references from
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 76-38 NEONATAL drug addiction
 75- 3 NEOPLASMS Diethylstilbestrol and gynecologic
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 76-16 NEOPLASMS Radiation-induced
 74- 7 NURSING education Audiovisual aids, and computer assisted and programmed
 instruction in (Updates but also includes LS 72-11)
 76- 3 NUTRITION and mental development
 74-22 NUTRITION for the aged (Includes nutritional deficiency states)
 74- 1 NUTRITION in burns

74-10 NUTRITION in trauma
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 76-11 ORAL contraceptives as related to blood coagulation Adverse effects of
 74-21 ORAL contraception The B vitamins in pregnancy and
 74-20 ORAL contraceptives Adverse effects of
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 75- 7 PATIENT education
 75-10 PATIENTS Rights of mentally handicapped
 76-28 PEPTIC ulcer Licorice in the treatment of
 76-21 PESTICIDES and the ecosystem
 76-33 POLYPEPTIDE Vasoactive intestinal
 76-37 POOR in the U.S. Provision of health care to the (Updates LS 72-21)
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 76- 9 PROBLEM oriented medical records
 74- 8 PROGRAMMED instruction in allied health occupation education Audiovisual
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 74- 9 PROGRAMMED instruction in dental education Audiovisual aids, and
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 74- 6 PROGRAMMED instruction in medical education Audiovisual aids, and
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 74-17 PSROS (Professional Standards Review Organizations)
 75- 5 PSYCHOLOGICAL aspects of breast cancer
 76-24 PSYCHOSURGERY
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 76-25 RECOMBINANT DNA
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 74- 2 REHABILITATION in spinal cord injuries
 75- 6 RELIABILITY and standards in clinical laboratories Clinical
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 75-20 RESPONSE (ERA) in the infant and preschool child Auditory evoked
 75- 1 RETINITIS pigmentosa
 75-10 RIGHTS of mentally handicapped patients
 76-36 ROLE of interferon and interferon inducers in cancer The
 76-26 ROLES: their influence on individual behavior and on
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 75-21 SAFETY, regulation and legislation (with emphasis on devices
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 76-31 SARCOIDOSIS
 75-28 SCANNER (computerized axial tomography) EMI
 76-26 SEX roles: their influence on individual behavior and on
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 75-27 SLEEP Infant

75- 4 SMOKING related to heart diseases Hypertension and
74- 2 SPINAL cord injuries Rehabilitation in
75-26 SPORT medicine
75- 6 STANDARDS in clinical laboratories Clinical control, reliability
and (Updates LS 71-25)
76-18 SUDDEN cardiac death
76-17 SUDDEN unexpected death in infants
76-29 SWINE influenza
76-39 TALC Untoward effects of
75-28 TOMOGRAPHY) EMI scanner (computerized axial
76-12 TRAUMA and cancer
74-10 TRAUMA Nutrition in
76-28 ULCER Licorice in the treatment of peptic
76-39 UNTOWARD effects of talc
76-37 U.S. Provision of health care to the poor in the (Updates LS 72-21)
76-33 VASOACTIVE intestinal polypeptide
75-25 VINYL chloride Adverse effects of
74-21 VITAMINS in pregnancy and oral contraception The B
76-14 WATER fluoridation

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JUNE 1977

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
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TECHNICAL NOTES

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

Whenever applicable, the heading of each Technical Note will include a reference to the section/page of the NLM On-Line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with 22,171 citations on May 9. The sizes, Index Medicus date ranges and entry dates are given below:

MEDLINE (Jan 75 - June 77)	683,904
(Entry dates 741205 to 770430)	
SDILINE (June 77)	22,171
(Entry dates 770415 to 770430)	

TYMNET NUMBERS (Manual II-9)

New Numbers:

Erie, PA	814/725-8671	Correspondence
Piscataway, NJ	201/981-0370	Correspondence

ADDITION OF REPRINT SOURCE (RP) ELEMENT TO AUTOMATIC SDI OPTION

Reprint Source (RP) has been added to the elements printed in the second print format option (S201-S400) for searches processed via the Automatic SDI Procedures.

MEDLARS LANGUAGES AND ABBREVIATIONS (Manual V-A)

An updated list of MEDLARS Languages and Abbreviations (Appendix A) is included with this issue of the NLM Technical Bulletin. Please use this updated version instead of the present one in your NLM On-Line Services Reference Manual.

PHONES FILE UPDATED

The PHONES file containing the telephone numbers for Direct Dial, TYMNET, and TELENET access has been updated, FX lines added, and re-formatted for printing the numbers in state and city order to save time in printing. Appendix B is a hard copy of this file. Users may access the file at NLM using the LOGON entry as in the past.

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

NEW MINOR DESCRIPTORS ADDED TO 1977 MESH IN JUNE-1977

Indexers began using the minor descriptors (see under cross-references) listed in Appendix C as of June 1977. They will be available for searching in the August on-line data base.

TOXLINE UPDATES

TOXLINE was updated with 5,570 records the weekend of June 25, 1977, as follows:

<u>SUBFILE</u>	<u>COVERAGE</u>	<u>RECORDS TO BE ADDED</u>
CBAC	Vol. 25, Iss. 10	2,177
HEEP	July 1977	1,096
IPA	April 1977	619
PESTAB	April 1977	257
TOXBIB	July 1977	<u>1,421</u>
	TOTAL	5,570

The update tag is 0677 (ST).

CHEMLINE REGENERATION

CHEMLINE has been regenerated and contains almost 225,000 records. Some of these records contain a special tag identifying them as being on the Toxic Substances Control Act Inventory Candidate List. A detailed article on these materials will be included in the July 1977 issue of the Technical Bulletin.

MONOGRAPHS INDEXED IN INDEX MEDICUS

JULY 1977

A

Acid base homeostasis of the brain extracellular fluid and the respiratory control system : symposium Bochum, March 1975 / edited by Hans H. Loeschcke ; with contributions by H. R. Ahmad ... [et al.] -- Stuttgart : Thieme, 1976. xi, 222 p. : ill.

1. Acid-Base Equilibrium - congresses 2. Brain - physiology - congresses 3. Extracellular Space - physiology - congresses 4. Homeostasis - congresses 5. Respiratory System - physiology - congresses I. Ahmad, H. R. II. Loeschcke, Hans H., ed.

ISBN 3-13-534401-0

04NLM. WL 300 A181 1975

IM

Cit. No. 7703152

The Adipose child : medical and psychological aspects / volume editor, Zvi Laron, assistant editor, Zvi Dickerman. -- Basel, New York : Karger, 1976. xiii, 226 p. : ill. -- (Pediatric and adolescent endocrinology ; v. 1) Proceedings of an international symposium held in Tel Aviv, April 30 to May 2, 1975.

1. Adipose Tissue - metabolism - congresses 2. Obesity - in infancy & childhood - congresses I. Dickerman, Zvi, ed. II. Laron, Zvi, ed. III. Title: International symposium on the adipose child IV. Series

ISBN 3-8055-2343-2

04NLM. W1 PE163H v.1 1975

0XNLM. [WD 210 A233 1975]

IM

Cit. No. 7703154

American Pharmaceutical Association. The effect of disease states on drug pharmacokinetics / Leslie Z. Benet, editor. -- Washington : American Pharmaceutical Assn., Academy of Pharmaceutical Sciences, c1976. xiv, 252 p. : ill. A symposium sponsored by Basic Pharmaceutics Section, Academy of Pharmaceutical Sciences at the 123d annual meeting of the American Pharmaceutical Association, held in New Orleans, April, 1976.

1. Drug Therapy - congresses 2. Drugs - metabolism - congresses 3. Pharmacology I. Benet, Leslie Z., ed. II. Academy of Pharmaceutical Sciences. Basic Pharmaceutics Section. III. Title IV. Title: Symposium on the effect of disease states on drug pharmacokinetics

ISBN 0-917330-11-0

LC: 76-43119

04NLM. QV 38 A512e 1976

IM

Cit. No. 7703358

Price: 9.25

C

Concepts in the treatment of hypertension : proceedings of a symposium held in Amsterdam, June 23rd, 1976 -- Amsterdam : Excerpta medica ; New York : distributed by Elsevier North-Holland, 1977. 89 p. : ill. -- (Excerpta medica : International congress series ; no. 406)

Symposium held in the context of the 7th European Congress of Cardiology

1. Hypertension - drug therapy - congresses I. European Congress of Cardiology, 7th, Amsterdam, 1976. II. Title: Symposium on concepts in the treatment of hypertension III. Series

LC: 76-30323

04NLM. W3 EX89 no.406 1976

0XNLM.11CLA. [WG 340 C744 1976]

IM

Cit. No. 7703187

Conference on Contemporary Issues in Stimulant Research, Duke University, 1975. Cocaine and other stimulants / edited by Everett H. Ellinwood, Jr. and M. Marlyne Kilbey. -- New York : Plenum Press, c1977. x, 721 p. : ill. -- (Advances in behavioral biology ; v. 21)

1. Amphetamine - pharmacodynamics - congresses 2. Cocaine - pharmacodynamics - congresses 3. Stimulation, Chemical - congresses I. Ellinwood, Everett H., 1934- ed. II. Kilbey, M. Marlyne, ed. III. Title IV. Series

ISBN 0-306-37921-X

LC: 76-47488

04NLM. W3 AD215 v 21 1975

0XNLM.11CLA. [QV 113 C748c 1975]

IM

Cit. No. 7703639

Conference on Education of Psychiatrists, Lake of the Ozarks, Mo., 1975. The working papers of the 1975 Conference on Education of Psychiatrists as prepared

by members of the Preparatory Commissions for the Conference / editorial board, preparatory commission chairmen, James N. Sussex [et al.], editorial consultants for this volume, Robert and Marion Robinson -- Washington : American Psychiatric Assn., 1976. v, 423 p. Conference held under the auspices of the American Psychiatric Association in cooperation with other agencies.

1. Education, Medical, Continuing - congresses 2. Psychiatry - education - congresses I. Robinson, Marion, ed. II. Robinson, Robert, ed. III. Sussex, James N., 1917- ed. IV. American Psychiatric Association. V. Title

LC: 76-54379

04NLM. WM 18 C745w i975

IM

Cit. No. 7703150

Cross-national sociomedical research concepts, methods, practice a seminar convened by the Akademie für Sozialmedizin Hannover e. V. under the auspices of the Research Committee 'Sociology of Medicine' of the International Sociological Association / edited by Manfred Pflanz and Elisabeth Schach, with contributions by R. Andersen [et al.] -- Stuttgart : Thieme, 1976. xii, 178 p. : ill. Seminar in Hanover, March 1974.

1. Cross-Cultural Comparison - congresses 2. Diagnosis - congresses 3. Health Services - congresses 4. Research - methods - congresses 5. Sociology - congresses 6. Statistics - congresses I. Andersen, Ronald. II. Pflanz, Manfred, ed. III. Schach, Elisabeth, ed. IV. Akademie für Sozialmedizin Hannover. V. International Sociological Association. Research Committee on the Sociology of Medicine.

ISBN 3-13-538101-3

04NLM. W 20.5 C951 1974

IM

Cit. No. 7703875

D

Diabetes mellitus in Asia : ecological aspects of epidemiology, complications and treatment proceedings of the second symposium, Kyoto, Japan, September 9-11, 1975 / editors, S. Baba, Y. Goto, I. Fukui, co-editors, F. J. G. Ebling, I. W. Henderson. -- Amsterdam : Excerpta medica, New York : distributed by Elsevier North-Holland, 1976. ix, 310 p. : ill. -- (Excerpta medica : International congress series ; no. 390) ISBN 0-444-15223-7 (Elsevier North-Holland).

1. Diabetes Mellitus - complications - congresses 2. Diabetes Mellitus - occurrence - Asia - congresses I. Baba, Shigeaki, 1925- ed. II. Fukui, Iwao, ed. III. Goto, Yoshio, ed. IV. Title: Symposium on diabetes mellitus in Asia V. Series

ISBN 0-444-15223-7

LC: 76-42240

04NLM. W3 EX89 no 390 1975

0XNLM.11CLA. [WK 810 D539 1975]

IM

Cit. No. 7703417

Drug interactions / edited by D. G. Grahame-Smith -- Baltimore : University Park Press, c1977. x, 310 p. : ill. Symposium held in 1975 at the Middlesex Hospital Medical School, London, by the Coordinating Committee for Symposia on Drug Action of the Biological Council

1. Drug Interactions - congresses I. Grahame-Smith, David G., ed. II. Biological Council Co-ordinating Committee for Symposia on Drug Action III. Title: Symposium on drug interactions

ISBN 0-8391-0955-5

LC: 76-23128

04NLM. QV 38 D7932 1975

IM

Cit. No. 7703425

E

European Symposium on Inflammatory Arthropathies, Monte Carlo, 1975. Inflammatory arthropathies proceedings of a European symposium, Monte Carlo, 1-4 October 1975 / organized under the auspices of the Italian League against Rheumatism ; editors, E. C. Huskisson and G. P. Velo -- Amsterdam : Excerpta Medica ; New York : distributed by Elsevier/North-Holland, 1976. ix, 251 p. : ill. -- (Excerpta medica : International congress series ; no. 401) Temporary cataloging ISBN 0-444-15243-1 (Elsevier/North-Holland)

1 Anti-Inflammatory Agents - therapeutic use - congresses 2. Arthritis - drug therapy - congresses 3 Indomethacin - therapeutic use - congresses 4 Inflammation - congresses I Huskisson, E. C., ed. II. Velo, G. P., ed III. Italian League against Rheumatism IV Title V Series ISBN 0-444-15243-1 LC: 76-39779 04NLM W3 EX89 no 401 1975 0XNLM, IICLA [WE 344 E89: 1975] IM Cit. No 7703237

F

Fat content and composition of animal products : proceedings of a symposium, Washington, D. C. December 12-13, 1974 / Board on Agriculture and Renewable Resources, Commission on Natural Resources, and Food and Nutrition Board, Assembly of Life Sciences, National Research Council. — Washington : National Academy of Sciences, c1976. ix, 245 p. : ill. 1. Dairy Products - congresses 2. Dietary Fats - congresses 3. Fish Products - congresses 4. Meat - congresses 5. Poultry Products - congresses I. National Research Council. Board on Agriculture and Renewable Resources. II. National Research Council. Food and Nutrition Board. III. Title: Symposium on fat content of animal products ISBN 0-309-02440-4 LC: 76-6496 04NLM: WB 426 F252 1974 IM Cit. No. 7703437

Fundamentals in cancer prevention : proceedings of the 6th international symposium of the Princess Takamatsu Cancer Research Fund, Tokyo, 1975 / edited by Peter N. Magee ... [et al.]. — Baltimore : University Park Press, c1976. xvii, 433 p. : ill. 1. Neoplasms - prevention & control - congresses I. Magee, Peter N., ed. II. Takamatsu no Miya Hi Gan Kenkyu Kikan. III. Title: International symposium on fundamentals in cancer prevention ISBN 0-8391-0965-2 LC: 76-50548 04NLM: QZ 200 F982 1975 IM Cit. No. 7703220

Future trends in inflammation. — 1- 1973. — Basel [etc.] Birkhauser [etc.] v. ill. Editors: 1- J. P. Giroud, D. A. Willoughby, G. P. Velo. Consists of the proceedings of a series of international meetings on inflammation organized by the European Biological Research Association. 1. Anti-Inflammatory Agents - congresses 2. Inflammation - congresses I. Giroud, J. P., ed. II. Velo, G. P., ed. III. Willoughby, D. A., ed. IV. European Biological Research Association. 04NLM: W3 FU966 Cit. No. 7702097

I

The Impact of biology on modern psychiatry : proceedings of a symposium honoring the 80th anniversary of the Jerusalem Mental Health Center Ezrath Nashum held in Jerusalem, Israel, December 9-10, 18 1975 / edited by Elliot S. Gershon ... [et al.]. — New York : Plenum Press, c1977. xii, 276 p. : Includes bibliographies. 1. Catecholamines - therapeutic use - congresses 2. Mental Disorders - familial & genetic - congresses 3. Neurochemistry - congresses 4. Psychopharmacology - congresses I. Gershon, Elliot S., 1940- ed. II. Ezrat nashum, bet holim le-hole nefesh. III. Title: Symposium on the impact of biology on modern psychiatry ISBN 0-306-31000-7 LC: 76-49665 04NLM: QV 77 I34 1975 IM Cit. No. 7703457

Infections of prosthetic heart valves and vascular grafts : prevention, diagnosis, and treatment / edited by Richard J. Duma. — Baltimore : University Park Press, c1977. xv, 352 p. : ill. Proceedings of a conference entitled Infections of prosthetic valves and vascular grafts held at the Medical College of Virginia, Richmond, Mar. 22 and 23, 1976. 1. Bacterial Infections - complications - congresses 2. Blood Vessel Prosthesis - adverse effects - congresses 3. Endocarditis, Bacterial - complications - congresses 4. Heart Valve Prosthesis - adverse effects - congresses 5. Mycoses - complications - congresses I. Duma,

Richard J., 1933- ed II Medical College of Virginia. III Title Conference on infections of prosthetic valves and vascular grafts IV Title Infections of prosthetic valves and vascular grafts ISBN 0-8391-0973-3 LC 76-54806 04NLM WG 168 I43 1976 IM Cit No 7703460 Price 26 50

International Symposium on the Phylogeny of T and B Cells, New Orleans, 1976. Phylogeny of thymus and bone marrow bursa cells proceedings of an International Symposium on the Phylogeny of T and B cells, New Orleans, Louisiana, 1-3 June 1976 / organized by R. K. Wright under the auspices of the Division of Comparative Immunology, American Society of Zoologists, edited by Richard K. Wright and Edwin L. Cooper — Amsterdam, New York North-Holland Pub. Co., 1976. xix, 325 p. ill. Held during the 27th annual A. I. B. S. meeting, 30 May to 4 June 1976. 1. B-Lymphocytes - congresses 2. Evolution - congresses 3. Immunology - congresses 4. T-Lymphocytes - congresses I. Cooper, Edwin L., ed. II. Wright, Richard K., ed. III. American Institute of Biological Sciences IV. American Society of Zoologists. Division of Comparative Immunology. V. Title VI. Title Proceedings of an International Symposium on the Phylogeny of T and B Cells ISBN 0-7204-0603-X LC 76-44218 04NLM: WH 200 I614p 1976 IM Cit. No 7703508

International Symposium on the Present Status of BCG in Cancer Immunotherapy, Quebec, 1976. BCG in cancer immunotherapy / edited by Gilles Lamoureux, Raymond Turcotte, Vincent Portelance — New York Grune & Stratton, c1976. xxiv, 392 p. ill. Proceedings of a symposium held in honor of A. Frappier, Ville d'Estrel, Que., April 23-26, 1976, sponsored by Canadian Society for Immunology, Canadian Society of Microbiologists, and Society of Microbiology of the Province of Quebec. 1. BCG Vaccination - congresses 2. Neoplasms - immunology - congresses 3. Neoplasms - therapy - congresses I. Frappier, Armand. II. Lamoureux, Gilles, ed. III. Portelance, Vincent, ed. IV. Turcotte, Raymond, ed. V. Canadian Society for Immunology. VI. Canadian Society of Microbiologists. VII. Society of Microbiology of the Province of Quebec. VIII. Title ISBN 0-8089-0995-9 LC 76-49963 04NLM: QZ 266 I611 1976 IM Cit. No. 7703172

Irwin Strasburger Memorial Seminar on Immunology, 3d, New York, 1976. Clinical evaluation of immune function in man : [proceedings of the Third Irwin Strasburger Memorial Seminar on Immunology, held at Cornell University Medical College, New York City on February 29, 1976] / edited by Stephen D. Litwin, Charles L. Christian, Gregory W. Siskind ; sponsored by the Dept of Medicine, Cornell University Medical College, the New York Hospital. — New York Grune & Stratton, c1976. 236 p. : ill. 1. Immunity - congresses 2. Lymphocytes - immunology - congresses I. Christian, Charles L., ed. II. Litwin, Stephen D., 1934- ed. III. Siskind, Gregory W., 1934- ed. IV. Cornell University. Medical College, New York. Dept of Medicine. V. New York Hospital. VI. Title ISBN 0-8089-0971-1 LC: 76-48408 04NLM W3 IR72 1976c 0XNLM: [QW 504 I72 1976c] IM Cit. No 7703404

L

Labor relations in hospitals and health care facilities : proceedings of a conference presented by the American Arbitration Association and the Federal Mediation and Conciliation Service, June 10-11, 1975 / A. Eliot Berkeley, editor, Ann Barnes, associate editor — Washington Bureau of National Affairs, c1976. viii, 102 p. Conference held at the Center for Adult Education of the University of Maryland, sponsored by the American Arbitration Association and the Federal Mediation and Conciliation Service, with the cooperation of the National Labor Relations Board, and titled 'Chaos or Constructive Change.' 1. Collective Bargaining - congresses 2. Hospital Personnel Administration - congresses 3. Labor Unions - congresses 4. National Labor Relations Act I. Barnes, Ann, ed. II. Berkeley, A. Eliot, ed. III. American Arbitration Association IV. Federal Mediation and Conciliation Service. V. National Labor Relations Board. VI. Title Chaos or constructive change VII. Title: Conference on labor relations in hospitals and health care facilities ISBN 0-87179-229-X LC: 75-45236 04NLM: WX 159 L125 1975 IM Cit. No. 7703250

M

The Macrophage in neoplasia / edited by Mary A. Fink. — New York : Academic Press, 1976. ix, 265 p. : ill. Proceedings of a workshop held at the Marine Biological Laboratory, Woods Hole, Mass., on October 8-11, 1975. I. Macrophages - congresses 2. Neoplasms - immunology - congresses I. Fink, Mary A., ed. II. Marine Biological Laboratory, Woods Hole, Mass. III. Title: Workshop on the macrophage in neoplasia

ISBN 0-12-256950-4 LC: 76-44557
04NLM,01HMS: QZ 200 M174 1975
IM Cit. No. 7701876

N

NATO Advanced Study Institute on Cardiovascular Flow Dynamics, Houston, Tex., 1975. Cardiovascular flow dynamics and measurements / edited by Ned H. C. Hwang and Nils A. Normann. — Baltimore : University Park Press, c1977. xv, 970 p. : ill. Sponsored by the NATO Scientific Affairs Division and the U. S. National Science Foundation.

1. Flowmeters - congresses 2. Heart, Artificial - congresses 3. Hemodynamics - congresses I. Hwang, Ned H. C., ed. II. Normann, Nils A., 1915- ed. III. National Science Foundation. IV. North Atlantic Treaty Organization. Scientific Affairs Division. V. Title

ISBN 0-8391-0972-5 LC: 76-56204
04NLM: WG 106 N111c 1975
IM Cit. No. 7703399
Price: 45.00

P

Phentolamine in heart failure and other cardiac disorders : proceedings of an international workshop, London, November 1975 / edited by S. H. Taylor, L. A. Gould. — Bern : Huber, c1976. 140 p. : ill.

1. Heart Failure, Congestive - drug therapy - congresses 2. Phentolamine - therapeutic use - congresses I. Gould, L. A., ed. II. Taylor, S. H., ed.

ISBN 3-456-80379-6
04NLM: QV 150 P541 1975
IM Cit. No. 7703753

S

San Francisco Cancer Symposium, 11th, 1975. Breast cancer : its impact on the patient, family, and community : proceedings of the 11th Annual San Francisco Cancer Symposium, San Francisco, Calif., November 14-15, 1975 / editor, Jerome M. Vaeth. — Basel ; New York : Karger, 1976. 214 p. : ill. — (Frontiers of radiation therapy and oncology ; v. 11)

1. Breast Neoplasms - congresses 2. Socioeconomic Factors - congresses I. Vaeth, Jerome M., 1925- ed. II. Title III. Series

ISBN 3-8055-2340-8
04NLM: W3 FR935 v.11 1975
0XNLM: [WP 870 S196 1975b]
IM Cit. No. 7703394

Symposium Actualitatis Tomographiae, Genoa, 1975. The new image in tomography : proceedings of the Symposium Actualitatis Tomographiae, Genoa, Italy, September 11-13, 1975 / editor, L. Oliva, co-editor, R. J. Berry. — Amsterdam : Excerpta medica ; New York : distributed by Elsevier/North-Holland, 1976. viii, 349 p. : ill. — (Excerpta medica : International congress series ; no. 392) ISBN 0-444-15224-5 (Elsevier/North-Holland)

1. Tomography - congresses 2. Tomography, Radiographic - congresses I. Berry, R. J., ed. II. Oliva, Luigi, ed. III. Title IV. Title: Proceedings of the Symposium Actualitatis Tomographiae V. Series

ISBN 0-444-15224-5 LC: 76-25817
04NLM: W3 EX89 no.392 1975
0XNLM,11CLA: [WVN 160 S986n 1975]
IM Cit. No. 7703139

Symposium on Biological Effects and Measurement of Light Sources, Rockville, Md., 1976. Symposium on Biological Effects and Measurement of Light Sources : proceedings of a conference held in Rockville, Maryland, March 25-26, 1976 / edited by DeWitt G. Hazzard. — Rockville, Md. : U. S. Dept. of Health, Education, and Welfare, Public Health Service, Food and Drug Administration, Bureau of Radiological Health, 1976. xi, 256 p. : ill. — (HEW publication ; (FDA) 77-8002) Includes bibliographies.

1. Light - congresses I. Hazzard, DeWitt G., ed. II. Series

04NLM: QH 651 S983s 1976
IM Cit. No. 7703559

Symposium on Human Population Cytogenetics, Albany, 1975. Population cytogenetics : studies in humans / edited by Ernest B. Hook and Ian H. Porter. — New York : Academic Press, 1977. xiv, 374 p. : ill. — (Birth Defects Institute symposia) Sixth annual symposium sponsored by the Birth Defects Institute of the New York State

Dept. of Health, Albany, N. Y., Oct. 14-15, 1975
I. Cytogenetics - congresses 2. Genetics, Population - congresses I. Hook, Ernest B., ed. II. Porter, Ian H., ed. III. New York (State) Dept. of Health, Birth Defects Institute. IV. Title V. Series

ISBN 0-12-355460-8 LC: 76-56389
04NLM: QH 455 S989p 1975
IM Cit. No. 7703294

W

World Congress of Psychiatric Surgery, 4th, Madrid, 1975. Neurosurgical treatment in psychiatry, pain, and epilepsy / edited by William H. Sweet. Sixto Obrador, Jose G. Martin-Rodriguez. — Baltimore : University Park Press, c1977. xxxxi, 768 p. : ill.

1. Epilepsy - surgery - congresses 2. Neurosurgery - congresses 3. Pain - surgery - congresses 4. Psychosurgery - congresses I. Martin-Rodriguez, Jose G., ed. II. Obrador Alcalde, Sixto, ed. III. Sweet, William Herbert, 1910- ed. IV. Title

ISBN 0-8391-0881-8 LC: 76-54365
04NLM: W3 WO5384 1975n
0XNLM: [WL 368 W927 1975n]
IM Cit. No. 7703275
Price: 42.50

Nutrition education : medical school and health care training / edited by Myron A. Mehlman and Seymour L. Halpern. — Washington : Hemisphere Pub. College of Nutrition. Volume dedicated to Grace A. Goldsmith. 1. Education, Medical - U.S. - congresses 2. Nutrition - congresses I. Goldsmith, Grace Arabell, 1904- II. Halpern, Seymour Lionel, 1922- III. Mehlman, Myron A., ed. IV. American College of Nutrition (incorporated 1959).

ISBN 0-89116-038-8
04NLM: QU 18 N974 1976
IM LC: 76-29051

Workshop on Minority Dental Student Recruitment, Retention, and Education, Kansas City, Mo., 1975. Proceedings of the Workshop on Minority Dental Student Recruitment, Retention, and Education : the Highrise Holiday Inn, Kansas City, Missouri, April 24-26, 1975 / sponsored by the School of Dent-

istry, University of Missouri-Kansas City and the Heart of America Dental Society ; edited by Russell W. Sumnicht, Collins F. Anderson. -- s.l. : s.n., 1975? viii, 169 p. : ill. Supported by a grant from Region VII, U.S. Public Health Service.

1. Education, Dental - manpower - U.S. - congresses
2. Minority Groups - congresses
3. Schools, Dental - U.S. - congresses
4. Sumnicht, Russell W., 1916-
ed. III. Heart of America Dental Society. IV. U.S. Public Health Service. V. University of Missouri at Kansas City. School of Dentistry. VI. Title
04NLM: WU 18 W9265p 1975
IM

MEDLARS LANGUAGES AND ABBREVIATIONS

AFR	Afrikaans	KOR	Korean
ALB	Albanian	LIT	Lithuanian
ARA	Arabic	MUL	Multilingual
ARM	Armenian	NOR	Norwegian
AZE	Azerbaijani	PER	Persian (Modern)
BUL	Bulgarian	POL	Polish
CHI	Chinese	POR	Portuguese
CZE	Czech	PUS	Pushto
DAN	Danish	RUM	Rumanian
DUT	Dutch	RUS	Russian
FIN	Finnish	SCC	Serbo-Croatian (Cyrillic)
FRE	French	SCR	Serbo-Croatian (Roman)
GEO	Georgic	SLO	Slovak
GER	German	SLV	Slovene
GRE	Greek (Modern)	SPA	Spanish
HEB	Hebrew	SWE	Swedish
HUN	Hungarian	THA	Thai
ICE	Icelandic	TUR	Turkish
IND	Indonesian	UKR	Ukrainian
ITA	Italian	VIE	Vietnamese
JPN	Japanese		

PHONES

WITH 120 CPS LINES, V=VADIC 3405 MODEMS AND B=BELL 202C OR 202S
 DATA SETS. UNLESS OTHERWISE NOTED, THE SPEED IS 110-300 BITS
 PER SECONDS(BPS). (*) DESIGNATES A NLN DIRECT DIAL NUMBER.

CITY	ST	TYMNET #	SPEED	TELENET #	SPEED	TYMNET FX #
BIRMINGHAM	AL	205/942-4141	C			
PHOENIX	AZ	602/249-9261	C	602/257-1552		
ALHAMBRA	CA					213/572-0999 C
EL SEGUNDO	CA	213/640-1570	C			
LOS ANGELES	CA	213/629-3001	120(B)	213/624-1521	120(V)	
LOS ANGELES	CA	213/687-8083	120(V)	213/624-5230		
LOS ANGELES	CA	213/629-1561	C	213/937-3580		
LOS ANGELES	CA	213/683-0451	E			
MOUNTAIN VIEW	CA	415/965-8815	E			
MOUNTAIN VIEW	CA	415/941-8450	C			
MARINA DEL REY	CA			213/822-9287		
NEWPORT BEACH	CA	714/540-9560	C			
OAKLAND	CA	415/465-7000	E			
OXNARD	CA	805/487-0482	C			
PALO ALTO	CA	415/326-7015	E			
RIVERSIDE	CA	714/825-9372	C			
SACRAMENTO	CA	916/441-5450	E	916/486-1881		
SAN CARLOS	CA			415/595-0360		
SAN CLEMENTE	CA					714/498-3130 C
SAN DIEGO	CA	714/291-8700	C	714/231-1922		
SAN FRANCISCO	CA	415/421-7121	120(V)	415/362-6200		
SAN FRANCISCO	CA	415/397-8461	120(B)	415/956-5777	120(V)	
SAN FRANCISCO	CA	415/421-9240	C			
SAN FRANCISCO	CA	415/391-9325	C			
SAN JOSE	CA	408/446-6932	120(B)			
SAN JOSE	CA	408/984-5500	C			
SAN JOSE	CA	408-446-7001	120(V)			
SAN JOSE	CA	408/257-0593	C			
SAN JOSE	CA			408/279-8450		
SANTA ANA	CA			714/558-6061		
SANTA BARBARA	CA					805/965-8010 C
SAN PEDRO	CA			213/549-5150		
COLO. SPRINGS	CO					303/635-5596 E
DENVER	CO	303/458-7921	E	303/623-0876		
BRIDGEPORT	CT			203/789-0211		203/367-5348 C
DANBURY	CT					203/792-3060 C
DARIEN	CT	203/655-8931	C			
HARTFORD	CT	203/568-2610	C	203/522-0344		
NEW HAVEN	CT			203/789-0211		203/787-5974 C
STAMFORD	CT			203/357-1800		
WATERBURY	CT					203/757-2537 C
WASHINGTON	DC	703/527-7106	120(B)	202/347-1400		
WASHINGTON	DC	703/841-0200	E	202/347-6093	120(V)	
WASHINGTON	DC	703/841-9560	C			
WASHINGTON	DC	703/841-9330	120(V)			
WASHINGTON*	DC	301/656-2715				

30CPS

CITY	ST	TYMNET #	SPEED	TELENET #	SPEED	TYMNET FX #
WASHINGTON*	DC	301/657-1896				
30CPS						
WASHINGTON*	DC	301/496-1994				
15-30CPS						
WASHINGTON*	DC	301/496-1736				
15-30CPS						
WASHINGTON*	DC	301/496-6395	120(B)			
WASHINGTON*	DC	301/656-4773	120(V)			
WASHINGTON*	DC	301/496-1006				
10CPS						
WASHINGTON*	DC	301/654-2540				
15CPS(2741)						
WILMINGTON	DE					302/658-5261 E
FT LAUDERDALE	FL					305/467-7550 C
JACKSONVILLE	FL	904/353-7884	C			
MIAMI	FL	305/374-7115	C	305/374-6400		
ORLANDO	FL	305/859-4540	C			
PENSACOLA	FL					904/434-6565 C
ST PETERSBURG	FL	813/536-7823	C			
TAMPA	FL					813/223-3787 C
ATLANTA	GA	404/659-6670	E	404/577-8911		
HONOLULU	HI	808/521-7481	C			
CEDAR RAPIDS	IA					319/364-3371 C
DES MOINES	IA	515/280-9600	C			
BOISE	ID	208/343-4851	C			
CHICAGO	IL	312/368-0022	120(B)			
CHICAGO	IL	312/346-4961	E	312/372-4901		
CHICAGO	IL	312/372-0391	120(V)	312/726-1957	120(V)	
CHICAGO	IL	312/368-4607	C			
FREEPORT 10CPS	IL	815/232-2186	C			
FREEPORT 30CPS	IL	815/232-2181	C			
ROCKFORD	IL	815/398-6090	C			
INDIANAPOLIS	IN			317/635-9630		
SOUTH BEND	IN					219/259-9941 C
WICHITA	KS	316/265-7781	C			
LOUISVILLE	KY	502/361-3881	C			
BATON ROUGE	LA	504/927-6400	C			
LAFAYETTE	LA					318/235-3679 C
NEW ORLEANS	LA	504/586-1071	C	504/568-1840		
BOSTON	MA	617/965-5520	120(V)			
BOSTON	MA	617/964-3925	E			
BOSTON	MA	617/964-3900	C	617/338-7495	120(V)	
BOSTON	MA	617/244-1240	120(B)	617/338-1400		
CAMBRIDGE	MA	617/491-5476	E			
BALTIMORE	MD	301/547-8100	C	301/962-5010		
ANN ARBOR	MI	313/995-6260	C			
DETROIT	MI	313/963-3388	C	313/961-5115		
DETROIT	MI	313/963-2353	120(V)			
DETROIT	MI	313/963-4676	120(B)			
JACKSON	MI	517/784-8522	C			
KALAMAZOO	MI	616/385-3150	C			
SOUTHFIELD	MI					313/355-2950 C
MINNEAPOLIS	MN	612/854-6659	C	612/339-0150		
KANSAS CITY	MO	816/753-6620	C	816/474-1600		
ST LOUIS	MO	314/421-5110	C	314/231-8800		

CITY	ST	TYMNET #	SPEED	TELENET #	SPEED	TYMNET FX #
RALEIGH/DURHAM	NC	919/549-0441	C	919/549-8291		
NASHUA	NH					603/888-3354 E
ENGLEWOOD CLFS.	NJ	201/894-8250	C			
MOORESTOWN	NJ					609/235-3761 C
NEWARK	NJ			201/623-6818		
PRINCETON	NJ					609/452-8228 E
UNION	NJ	201/964-6300	E			
WAYNE	NJ	201/785-4777	E			
ALBANY	NY			518/445-9111		518/463-7452 C
BUFFALO	NY	716/856-1400	E	716/847-0600		
CORNING	NY	607/962-2406	C			
HEMPSTEAD	NY			516/292-0320		
LONG ISLAND	NY					516/549-0490 C
NEW YORK	NY	212/344-7445	E	212/736-7205		
NEW YORK	NY	212/750-9433	C	212/736-1800	120(V)	
NEW YORK	NY	212/551-9322	E			
NEW YORK	NY	212/689-8910	120(V)			
NEW YORK	NY	212/689-8850	120(B)			
NEW YORK	NY	212/750-9445	C			
NEW YORK	NY	212/532-7615	E			
NIAGARA FALLS	NY					716/285-9354 E
ROCHESTER	NY	716/546-1410	E	716/454-3430		
SYRACUSE	NY	315/437-7111	E			
WHITE PLAINS	NY			914/682-8777		914/428-6706 C
LAS VEGAS	NV					702/382-4181 C
AKRON 30CPS	OH	216/434-4593	C			
AKRON 10CPS	OH	216/434-4523	C			
CINCINNATI	OH	513/621-7460	C	513/621-7017		
CLEVELAND	OH	216/781-7050	C	216/241-0940		
COLUMBUS	OH	614/421-7270	C	614/463-1400		
DAYTON	OH	513/223-3847	C			
TOLEDO	OH					419/243-3199 C
OKLAHOMA CITY	OK	405/947-0561	C			
TULSA 10CPS	OK	918/492-1687	C			
TULSA 30CPS	OK	918/492-5306	C			
PORTLAND	OR	503/224-0750	C	503/243-2800		
ALLENTOWN	PA					215/433-6131 C
ERIE	PA	814/725-8671	C			
HARRISBURG	PA					717/233-1647 C
PHILADELPHIA	PA	215/561-6120	C	215/574-0620		
PITTSBURGH	PA	412/765-1320	C	412/765-2681		
VALLEY FORGE	PA	215/666-9190	E			
YORK	PA					717/846-4802 C
PROVIDENCE	RI					401/831-2634 C
MEMPHIS	TN	901/396-4411	C			
AUSTIN	TX	512/444-3280	C			
BAYTOWN	TX					713/427-1123 C
BEAUMONT	TX					713/832-3275 C
DALLAS	TX	214/638-5800	C	214/748-0127		
DALLAS	TX			214/748-6371	120(V)	
EL PASO	TX	915/544-9590	C			
FT WORTH	TX					214/263-2341 C
HOUSTON	TX	713/785-4411	C	713/224-3380		

CITY	ST	TYMNET #	SPEED	TELENET #	SPEED	TYMNET FX #
HOUSTON	TX	713/780-7496	120(V)			
HOUSTON	TX	713/780-7390	C			
HOUSTON	TX	713/780-7593	120(B)			
HOUSTON	TX	713/785-4420	C			
MIDLAND	TX	915/683-5645	C			
ODESSA	TX					915/563-0273 C
SAN ANTONIO	TX	512/734-7381	E			
SALT LAKE CITY	UT	801/582-8972	C	801/364-2644		
NORFOLK	VA					804/622-0435 C
RICHMOND	VA					804/649-3050 C
SEATTLE	WA	206/622-7930	C	206/624-9780		
MADISON	WI	608/221-4211	C			
MILWAUKEE	WI	414/257-3482	C	414/271-2560		
OSHKOSH	WI					414/235-4594 C

****FOREIGN****

BRUSSELS	BE	640-0215	E			
CUPERTINO	CA	408/257-0593	FOREIGN ACCESS ONLY			
CALGARY 30CPS	CN	403/263-7301	C			
CALGARY 15CPS	CN	403/263-2006	C			
CALGARY 10CPS	CN	403/263-2072	C			
EDMONTON	CN	403/423-4888	C			
MONTREAL 30CPS	CN	514/878-0584	C	514/878-9971		
MONTREAL 15CPS	CN	514/878-0589	C	514/878-9977		
MONTREAL 10CPS	CN	514/878-0588	C	514/878-9975		
OTTAWA 30CPS	CN	613/563-9841	C	613/563-9639		
OTTAWA 15CPS	CN			613/563-9629		
OTTAWA 10CPS	CN			613/563-9625		
TORONTO	CN	416/863-6202	C			
TORONTO 30CPS	CN			416/361-0011		
TORONTO 15CPS	CN			416/361-1515		
TORONTO 10CPS	CN			416/361-1728		
VANCOUVER 30CPS	CN	604/688-9811	C			
VANCOUVER 15CPS	CN	604/688-4838	C			
VANCOUVER 10CPS	CN	604/688-4338	C			
PARIS	FR	603-5500	C			
PARIS	FR	260-3635	E			
PARIS	FR	TELEX 27308				
LONDON	GB	01568-4455	C			
THE HAGUE	HO	46-97-61	C			
MEXICO CITY	MX	905/534-1363				
MEXICO CITY	MX	905/534-1494				
MEXICO CITY	MX	905/524-7906				
MEXICO CITY	MX	905/534-1413				
MEXICO CITY	MX	905/534-1409				
MEXICO CITY	MX	905/534-1454				
LAUSANNE 10CPS	SW	21-25-4357				
LAUSANNE 30CPS	SW	21-25-6634				

NUMBERS ARE SUBJECT TO CHANGE OR DELETION WITHOUT PRIOR NOTICE.

NEW MINOR DESCRIPTORS ADDED TO 1977 MESH IN JUNE 1977

Indexers began using the minor descriptors (see unders) below as of June 1977. They will be available for searching in the August online data base. The descriptors are given in three lists:

- 1) An alphabetic list of descriptors
- 2) A list of descriptors by MeSH Tree Structures subcategories
- 3) An alphabetic list of descriptors with tree numbers, scope notes, annotations, mappings to major descriptors (Index Medicus headings), and entry terms (see cross references)

NEW MINOR DESCRIPTORS ADDED TO 1977 MESH IN JUNE 1977
(ALPHABETIC LIST)

Admitting Department, Hospital (N2, N4)
Anesthesia Department, Hospital (N2, N4)
Anniversaries and Special Events (K1, N4)
Annual Reports (N4)
Architectural Accessibility (J1)
Cancer Care Facilities (N2)
Capital Expenditures (N3)
Capitation Fee (N3)
Cardiac Care Facilities (N2)
Centralized Hospital Services (N2, N4)
Certificate of Need (N3)
Chaplaincy Service, Hospital (N2, N4)
Commission on Professional and Hospital
Activities (N4)
Concurrent Review (N4)
Constitution and Bylaws (N4)
Double-Blind Method (E5, H1)
Electric Wiring (H1)
Elevators and Escalators (J1)
Employee Grievances (N4)
Employee Performance Appraisal (N4)
Endorphins (D12)
Enkephalins (D12)
Ethics, Institutional (K1)
Fire Extinguishing Systems (G3)
Floors and Floorcoverings (J1)
Food Dispensers, Automatic (J1)
Forms and Records Control (N4)
Fraud (I1)
Health Facilities, Proprietary (N2)
Health Facility Merger (N2)
Health Facility Moving (N2)
Health Services, Indigenous (N2)
Health Services Misuse (N2)
Health Services Needs and Demand (N3)
Hospices (N2)
Hospital Auxiliaries (N2)
Hospital Closure (N2, N4)
Hospital Shops (N2)
Hospitals, Group Practice (N2)
Hospitals, Satellite (N2)
Insurance Carriers (N3)
Insurance Claim Reporting (N3)
Insurance, Health, Reimbursement (N3)
Interior Design and Furnishings (J1)
Job Description (N4)
Licensure, Hospital (N3)
Location Directories (J1)
Medical Records Department, Hospital (N2, N4)
Medical Staff Privileges (N2)
Menu Planning (J1, N2)
Obstetrics and Gynecology Department,
Hospital (N2, N4)
Occupational Therapy Department,
Hospital (N2, N4)
Parking Facilities (J1)
Pathology Department, Hospital (N2, N4)
Patient Escort Service (N2)
Personnel Selection (N4)
Physical Examination, Preadmission (E1)
Physical Therapy Department, Hospital (N2, N4)
Radiology Department, Hospital (N2, N4)
Respiratory Therapy Department,
Hospital (N2, N4)
Self Care Units (N2)
Societies, Hospital (N3)
Specialty Boards (N3)
Surgery Department, Hospital (N2, N4)
Urology Department, Hospital (N2, N4)

NEW MINOR DESCRIPTORS ADDED TO 1977 MESH IN JUNE 1977
(BY SUBCATEGORY)

	Endorphins		Obstetrics and Gynecology Department, Hospital (N4)
	Enkephalins		Occupational Therapy Department, Hospital (N4)
E1	Physical Examination, Preadmission		Pathology Department, Hospital (N4) Patient Escort Service
E5	Double-Blind Method (H1)		Physical Therapy Department, Hospital (N4) Radiology Department, Hospital (N4) Respiratory Therapy Department, Hospital (N4)
G3	Fire Extinguishing Systems		Self Care Units Surgery Department, Hospital (N4) Urology Department, Hospital (N4)
H1	Double-Blind Method (E5)	N3	
	Electric Wiring		Capital Expenditures Capitation Fee Certificate of Need Health Services Needs and Demand Insurance Carriers Insurance Claim Reporting Insurance, Health, Reimbursement Licensure, Hospital Societies, Hospital Specialty Boards
I1	Fraud		
J1	Architectural Accessibility		
	Elevators and Escalators		
	Floors and Floorcoverings		
	Food Dispensers, Automatic		
	Interior Design and Furnishings		
	Location Directories	N4	
	Menu Planning (N2)		Admitting Department, Hospital (N2) Anesthesia Department, Hospital (N2) Anniversaries and Special Events (K1) Annual Reports Centralized Hospital Services (N2) Chaplaincy Service, Hospital (N2) Commission on Professional and Hospital Activities
	Parking Facilities		Concurrent Review Constitution and Bylaws Employee Grievances Employee Performance Appraisal Forms and Records Control Hospital Closure (N2) Job Description Medical Records Department, Hospital (N2) Obstetrics and Gynecology Department, Hospital (N2) Occupational Therapy Department, Hospital (N2) Pathology Department, Hospital (N2) Personnel Selection Physical Therapy Department, Hospital (N2) Radiology Department, Hospital (N2) Respiratory Therapy Department, Hospital (N2) Surgery Department, Hospital (N2) Urology Department, Hospital (N2)
K1	Anniversaries and Special Events (N4)		
	Ethics, Institutional		
N2	Admitting Department, Hospital (N4)		
	Anesthesia Department, Hospital (N4)		
	Cancer Care Facilities		
	Cardiac Care Facilities		
	Centralized Hospital Services (N4)		
	Chaplaincy Service, Hospital (N4)		
	Health Facilities, Proprietary		
	Health Facility Merger		
	Health Facility Moving		
	Health Services, Indigenous		
	Health Services Misuse		
	Hospices		
	Hospital Auxiliaries		
	Hospital Closure (N4)		
	Hospital Shops		
	Hospitals, Group Practice		
	Hospitals, Satellite		
	Medical Records Department, Hospital (N2)		
	Medical Staff Privileges		
	Menu Planning (J1)		

MEDICAL SUBJECT HEADINGS

NEW MINOR DESCRIPTORS ADDED TO 1977 MESH IN JUNE 1977

ABUSE OF HEALTH SERVICES see **HEALTH SERVICES MISUSE**
N2.421.480

ADMITTING DEPARTMENT, HOSPITAL

N2.278.354.422.40 N4.452.442.422.40
Hospital department responsible for the flow of patients and the processing of admissions, discharges, transfers, and also most procedures to be carried out in the event of a patient death.
Aug 77; only /man /stand /util; DF: ADMIT DEP
see under **HOSPITAL DEPARTMENTS**
X **HOSPITAL ADMISSIONS OFFICE**
X **HOSPITAL ADMITTING DEPARTMENT**

ANESTHESIA DEPARTMENT, HOSPITAL

N2.278.354.422.70 N4.452.442.422.70
Hospital department responsible for the administration of functions and activities pertaining to the delivery of anesthetics.
Aug 77; only /man /stand /util; DF: ANESTH DEP
see under **HOSPITAL DEPARTMENTS**
X **HOSPITAL ANESTHESIA DEPARTMENT**
X **HOSPITAL ANESTHESIA-RESUSCITATION DEPARTMENT**

ANNIVERSARIES AND SPECIAL EVENTS

K1.419.95 N4.452.822.70
Occasions to commemorate an event or occasions designated for a specific purpose.
Aug 77; NIM; no qualif
see under **PUBLIC RELATIONS**
X **DEDICATIONS**

ANNUAL REPORTS

N4.452.70
Annual statements concerning the administrative and operational functions of an institution or organization.
Aug 77; NIM; no qualif
see under **ORGANIZATION AND ADMINISTRATION**

ARCHITECTURAL ACCESSIBILITY

J1.86.339.70
Designs for approaching areas inside or outside facilities.
Aug 77; only /stand
see under **FACILITY DESIGN AND CONSTRUCTION**
X **BARRIERS, ARCHITECTURAL**
X **FACILITY ACCESS**
X **RAMPS**

BARRIERS, ARCHITECTURAL see **ARCHITECTURAL ACCESSIBILITY**
J1.86.339.70

BYLAWS see **CONSTITUTION AND BYLAWS**
N4.452.150

CANCER CARE FACILITIES

N2.278.421.556.70
Institutions specializing in the care of cancer patients.
Aug 77; only /man /stand /util CATALOG: /geog /form
see under **HOSPITALS, SPECIAL**

CAPITAL EXPENDITURES

N3.219.90
Those funds disbursed for facilities and equipment.
Aug 77; no qualif
see under **ECONOMICS**

CAPITATION FEE

N3.219.442.90
A method of payment of health services in which an individual institutional provider is paid a fixed, per capita amount without regard to actual number or nature of services provided each patient.
Aug 77; "capitation" refers to "a fixed per capita amt without regard to no. or nature of serv provided"; only /class /h1st /stand
see under **FEES AND CHARGES**
X **FEE, CAPITATION**

CARDIAC CARE FACILITIES

N2.278.421.556.110
Institutions specializing in the care of patients with heart disorders.
Aug 77; only /man /stand /util CATALOG: /geog /form
see under **HOSPITALS, SPECIAL**

CARPETS see **FLOORS AND FLOORCOVERINGS**
J1.86.339.140

CENTRALIZED HOSPITAL SERVICES

N2.278.354.110 N4.452.442.110
The coordination of services in one area of a facility to improve efficiency.
Aug 77; only /man /stand /util; do not confuse with **HOSPITAL CENTRAL SUPPLY**
see under **HOSPITAL ADMINISTRATION**
X **HOSPITAL SERVICES, CENTRALIZED**

CERTIFICATE OF NEED

N3.349.650.120
A certificate issued by a governmental body to an individual or organization proposing to construct or modify a health facility, or to offer a new or different service.
Aug 77; regional or area needs, not personal or financial need; no qualif; specify geog
see under **REGIONAL HEALTH PLANNING**

CHAPLAINCY SERVICE, HOSPITAL

N2.278.354.422.270

N4.452.442.422.270

Hospital department which administers religious activities within the hospital, e.g. pastoral care, religious services.

g 77; only /man /stand /util

under HOSPITAL DEPARTMENTS
HOSPITAL CHAPLAINCY SERVICE

COMMISSION ON PROFESSIONAL AND HOSPITAL ACTIVITIES

N4.761.380.100

The non-profit, non-governmental organization which collects, processes and distributes data on hospital use. Two programs of the Commission are the Professional Activity Study and the Medical Audit Program.

Aug 77; only /hist; add UNITED STATES (NIM); DF: CPHA
CATALOG: use NAF entry

see under MEDICAL AUDIT

X PROFESSIONAL ACTIVITY STUDY

CONCURRENT REVIEW

N4.761.879.200

Review of the medical necessity of hospital or other health facility admissions, upon or within a short time following an admission, and periodical review of services provided during the course of treatment.

Aug 77; only /methods /stand

see under UTILIZATION REVIEW

X CONTINUED STAY REVIEW

CONSTITUTION AND BYLAWS

N4.452.150

The fundamental principles and laws adopted by an organization for the regulation and governing of its affairs.

Aug 77; NIM; no qualif; coord with specific organiz or society (IM)
+ geog

see under ORGANIZATION AND ADMINISTRATION

X BYLAWS

UED STAY REVIEW see CONCURRENT REVIEW

.1.879.200

DEDICATIONS see ANNIVERSARIES AND SPECIAL EVENTS

K1.419.95

N4.452.822.70

DOUBLE-BLIND METHOD

E5.318.180

H1.770.644.728.300

A method of studying a drug or procedure in which both the subjects and investigators are kept unaware of who is actually getting which specific treatment.

Aug 77; IM only as a research technic; NIM here each time the check tag CLINICAL RESEARCH is checked for double-blind studies; only /stand /util (if by MeSH definition)

see under RESEARCH DESIGN

ELECTRIC WIRING

H1.671.252.310

An arrangement of wires distributing electricity.

Aug 77; no qualif

see under ELECTRICITY

ELEVATORS AND ESCALATORS

J1.86.339.115

Mechanical ascending and descending devices which convey objects and/or people.

Aug 77; for people or equipment; only /stand

see under FACILITY DESIGN AND CONSTRUCTION

X ESCALATORS

EMPLOYEE GRIEVANCES

N2.677.362

l procedures whereby the employee expresses any dissatisfaction or feeling of injustice regarding the work situation.

Aug 77; no qualif

see under PERSONNEL MANAGEMENT

EMPLOYEE PERFORMANCE APPRAISAL

N4.452.677.370

The assessment of the functioning of an employee in relation to his work.

Aug 77; no qualif

see under PERSONNEL MANAGEMENT

ENDORPHINS

D12.644.150

D12.776.641.240

Endogenous peptides with morphine-like actions found in the brain, cerebrospinal fluid and pituitary gland. They are believed to bind to the opiate receptors in the nervous system. Specific endorphins are pentapeptides called ENKEPHALINS.

Aug 77; do not use /analog

see under PEPTIDES

X OPIOID PEPTIDES

ENKEPHALINS

D12.644.150.250

D12.776.641.240.250

Endogenous pentapeptides which mimic the action of morphine in the nervous system. Found in the brain and pituitary gland. May be synthesized in these organs or possibly degraded from larger peptides called ENDORPHINS, which have similar physiological actions.

Aug 77; do not use /analog

see under OLIGOPEPTIDES

ESCALATORS see ELEVATORS AND ESCALATORS

J1.86.339.115

ETHICS, INSTITUTIONAL

K1.316.190

The moral and ethical obligations or responsibilities of institutions.

Aug 77; only /hist; coord IM with type of institution (IM); specify geog if pertinent

see under ETHICS

FACILITY ACCESS see ARCHITECTURAL ACCESSIBILITY

J1.86.339.70

FEE, CAPITATION see CAPITATION FEE

N3.219.442.90

FIRE EXTINGUISHING SYSTEMS

G3.230.100.120.110

Automatic or hand operated equipment used to control and extinguish fires.

Aug 77; no qualif

see under FIRES

FLOORS AND FLOORCOVERINGS

J1.86.339.140

The surface of a structure upon which one stands or walks.

Aug 77; for houses, commerc estab, hosp, institutions, etc.; only /stand

see under FACILITY DESIGN AND CONSTRUCTION

X CARPETS

FOOD DISPENSERS, AUTOMATIC

J1.364.420

Mechanical food dispensing devices.

Aug 77; only /class /stand /util

see under FOOD SERVICES

X VENDING MACHINES, FOOD

FORMS AND RECORDS CONTROL

N4.452.758.572.180

A management function in which standards and guidelines are developed for the developing, maintaining, and handling of forms and records.

Aug 77; only /man /methods /stand; coord NIM with specific records heading (e.g., MEDICAL RECORDS, NURSING RECORDS) (IM)

see under OFFICE MANAGEMENT

X RECORDS CONTROL

FRAUD

I1.198.240.300

Exploitation through misrepresentation of the facts or concealment of the purposes of the exploiter.

Aug 77; no qualif
see under CRIME

FURNITURE see INTERIOR DESIGN AND FURNISHINGS

J1.86.339.290

HEALTH FACILITIES, PROPRIETARY

N2.278.215

Health care institutions operated by private groups or corporations for a profit.

Aug 77; "operated by private groups or corporations for a profit"; do not use /educ /methods CATALOG: /geog /form
see under HEALTH FACILITIES

HEALTH FACILITY MERGER

N2.278.235

The combining of administrative and organizational resources of two or more health care facilities.

Aug 77; do not use /educ /methods
see under HEALTH FACILITIES

HEALTH FACILITY MOVING

N2.278.255

The relocation of health care institutions or units thereof; includes equipment relocation.

Aug 77; do not use /educ /methods
see under HEALTH FACILITIES

HEALTH INSURANCE REIMBURSEMENT see INSURANCE, HEALTH, REIMBURSEMENT

N3.219.521.576.343.470

HEALTH SERVICES, INDIGENOUS

N2.421.330

Health care provided to specific cultural or tribal peoples which incorporates local customs, belief and taboos.

Aug 77; "health care provided to specific cultural or tribal peoples which incorporates local customs, beliefs & taboos"; only /class /hist /man /stand /supply /util (if by MeSH definition; specify ethnic group (IM) + geog CATALOG: /geog /form
see under HEALTH SERVICES

HEALTH SERVICES MISUSE

N2.421.480

Excessive or unnecessary utilization of health services by patients or physicians.

Aug 77; misuse, overuse or abuse by patient or physician; no qualif
see under HEALTH SERVICES

X ABUSE OF HEALTH SERVICES
X MISUSE OF HEALTH SERVICES
X OVERUTILIZATION OF HEALTH SERVICES

HEALTH SERVICES NEEDS AND DEMAND

N3.349.360

Health services required by a population or community; also health services that the population or community is able and willing to pay for.

Aug 77; no qualif; specify geog
see under HEALTH AND WELFARE PLANNING

HOSPICES

N2.278.421.556.210

Facilities which are especially prepared to provide palliative and supportive care to the dying patient and his family.

Aug 77; "palliative & supportive care to the dying patient & his family"; only /class /hist /man /stand /supply /util (if by MeSH definition); specify geog CATALOG: /geog /form
see under HOSPITALS, SPECIAL

HOSPITAL ADMISSIONS OFFICE see ADMITTING DEPARTMENT, HOSPITAL

N2.278.354.422.40 N4.452.442.422.40

HOSPITAL ADMITTING DEPARTMENT see ADMITTING DEPARTMENT, HOSPITAL

N2.278.354.422.40 N4.452.442.422.40

HOSPITAL ANESTHESIA DEPARTMENT see ANESTHESIA DEPARTMENT, HOSPITAL

N2.278.354.422.70 N4.452.442.422.70

HOSPITAL ANESTHESIA-RESUSCITATION DEPARTMENT see ANESTHESIA DEPARTMENT, HOSPITAL

N2.278.354.422.70 N4.452.442.422.70

HOSPITAL AUXILIARIES

N2.350.952.473.110

Volunteer organizations whose members perform work for the hospital without compensation.

Aug 77; only /educ /stand /supply /util
see under HOSPITAL VOLUNTEERS

HOSPITAL CHAPLAINCY SERVICE see CHAPLAINCY SERVICE, HOSPITAL

N2.278.354.422.270 N4.452.442.422.270

HOSPITAL CLOSURE

N2.278.354.310 N4.452.442.300

Shutting-down of a hospital.

Aug 77; no qualif
see under HOSPITAL ADMINISTRATION

HOSPITAL GIFT SHOPS see HOSPITAL SHOPS

N2.278.354.700

HOSPITAL LICENSURE see LICENSURE, HOSPITAL

N3.706.690.380

HOSPITAL MEDICAL RECORDS DEPARTMENT see MEDICAL RECORDS DEPARTMENT, HOSPITAL

N2.278.354.422.465 N4.452.442.422.465

HOSPITAL OBSTETRICS AND GYNECOLOGY DEPARTMENT see OBSTETRICS AND GYNECOLOGY DEPARTMENT, HOSPITAL

N2.278.354.422.495 N4.452.442.422.495

HOSPITAL OCCUPATIONAL THERAPY DEPARTMENT see OCCUPATIONAL THERAPY DEPARTMENT, HOSPITAL

N2.278.354.422.500 N4.452.442.422.500

HOSPITAL PATHOLOGY DEPARTMENT see PATHOLOGY DEPARTMENT, HOSPITAL

N2.278.354.422.535 N4.452.442.442.535

HOSPITAL PHYSICAL THERAPY DEPARTMENT see PHYSICAL THERAPY DEPARTMENT, HOSPITAL

N2.278.354.422.615 N4.452.442.422.615

HOSPITAL RADIOLOGY DEPARTMENT see RADIOLOGY DEPARTMENT, HOSPITAL

N2.278.354.422.695 N4.452.442.422.695

HOSPITAL RESPIRATORY THERAPY DEPARTMENT see RESPIRATORY THERAPY DEPARTMENT, HOSPITAL

N2.278.354.422.712 N4.452.442.422.712

HOSPITAL SERVICES, CENTRALIZED see CENTRALIZED HOSPITAL SERVICES

N2.278.354.110 N4.452.442.110

HOSPITAL SHOPS

N2.278.354.700

Stores located in hospitals selling merchandise or services for the convenience of patients, staff and visitors.

Aug 77; only /man /stand /util
see under HOSPITAL ADMINISTRATION
X HOSPITAL GIFT SHOPS

HOSPITAL SURGERY DEPARTMENT see SURGERY DEPARTMENT, HOSPITAL

N2.278.354.422.750 N4.452.442.422.750

HOSPITAL UROLOGY DEPARTMENT see UROLOGY DEPARTMENT, HOSPITAL
N2.278.354.422.790 N4.452.442.422.790

TALS, BRANCH see HOSPITALS, SATELLITE
.78.421.530

HOSPITALS, GROUP PRACTICE

N2.278.421.395

Hospitals organized and controlled by a group of physicians who practice together and provide each other with mutual support.

Aug 77; do not use /educ /methods; specify geog CATALOG: /geog /form

see under HOSPITALS

HOSPITALS, SATELLITE

N2.278.421.530

Those hospitals which are extensions of a main hospital and are wholly or partly administered by that hospital.

Aug 77; do not use /educ /methods; specify geog CATALOG: /geog /form

see under HOSPITALS

X HOSPITALS, BRANCH

INSURANCE CARRIERS

N3.219.521.576.160

Organizations which assume the financial responsibility for the risks of policyholders.

Aug 77; no qualif; specify geog if pertinent

see under INSURANCE

X INSURERS

INSURANCE CLAIM REPORTING

N3.219.521.576.210

The design, completion and filling of forms with the insurer.

Aug 77; no qualif

under INSURANCE

INSURANCE, HEALTH, REIMBURSEMENT

N3.219.521.576.343.470

Payment of charges by a health insurer either to the provider of the service or the insured.

Aug 77; no qualif; specify geog if pertinent

see under INSURANCE, HEALTH

X HEALTH INSURANCE REIMBURSEMENT

X REIMBURSEMENT, HEALTH INSURANCE

INSURERS see INSURANCE CARRIERS

N3.219.521.576.160

INTERIOR DESIGN AND FURNISHINGS

J1.86.339.290

The planning of the furnishings and decorations of an architectural interior.

Aug 77; for houses, commerc estab, hosp, institutions, etc.; only /stand see under FACILITY DESIGN AND CONSTRUCTION

X FURNITURE

JOB DESCRIPTION

N4.452.677.410

Statement of the position requirements, qualifications for the position, wage range and any special conditions expected of the employee.

Aug 77; no qualif

see under PERSONNEL MANAGEMENT

X POSITION DESCRIPTION

LICENSURE, HOSPITAL

N3.706.690.380

Granting of a license to a hospital.

Aug 77; by the state: differentiate from ACCREDITATION (by the Commission); IM; only /hist; specify geog CATALOG: /geog /form

see under LICENSURE

X HOSPITAL LICENSURE

LOCATION DIRECTORIES

J1.86.339.400

Directory signs or listings of designated areas within or without a facility.

Aug 77; only /stand

see under FACILITY DESIGN AND CONSTRUCTION

X SIGNS AND SIGNPOSTING

MEDICAL RECORDS DEPARTMENT, HOSPITAL

N2.278.354.422.465

N4.452.442.422.465

Hospital department responsible for the creating, care, storage and retrieval of medical records. Also provides statistical information for the medical and administrative staff.

Aug 77; only /man /stand /util; DF: MED REC DEP

see under HOSPITAL DEPARTMENTS

X HOSPITAL MEDICAL RECORDS DEPARTMENT

MEDICAL STAFF PRIVILEGES

N2.350.559.600

Those rights or activities which are specific to members of the institution's medical staff, including the right to admit private patients.

Aug 77; no qualif

see under HOSPITAL MEDICAL STAFF

MENU PLANNING

J1.364.510

N4.421.242.472.310

Aug 77; domestic, commercial, institutional, hosp, etc.; no qualif

see under FOOD SERVICES

MINIMAL CARE UNITS see SELF CARE UNITS

N2.278.388.740

MISUSE OF HEALTH SERVICES see HEALTH SERVICES MISUSE

N2.421.480

OBSTETRICS AND GYNECOLOGY DEPARTMENT, HOSPITAL

N2.278.354.422.495

N4.452.442.422.495

Hospital department responsible for the administration and the management of services provided for obstetric and gynecologic patients.

Aug 77; only /man /stand /util; DF: OBSTET GYNECOL DEP

see under HOSPITAL DEPARTMENTS

X HOSPITAL OBSTETRICS AND GYNECOLOGY DEPARTMENT

OCCUPATIONAL THERAPY DEPARTMENT, HOSPITAL

N2.278.354.422.500

N4.452.442.422.500

Aug 77; only /man /stand /util; DF: OCCUP THER DEP

see under HOSPITAL DEPARTMENTS

X HOSPITAL OCCUPATIONAL THERAPY DEPARTMENT

OPIOID PEPTIDES see ENDORPHINS

D12.644.150

D12.776.641.240

OVERUTILIZATION OF HEALTH SERVICES see HEALTH SERVICES MISUSE

N2.421.480

PARKING FACILITIES

J1.86.339.490

Indoor or outdoor areas designated for the parking of vehicles.

Aug 77; only /stand

see under FACILITY DESIGN AND CONSTRUCTION

PATHOLOGY DEPARTMENT, HOSPITAL

N2.278.354.422.535

N4.452.442.422.535

Hospital department which administers and provides pathology services.

Aug 77; only /man /stand /util; DF: PATHOL DEP

see under HOSPITAL DEPARTMENTS

X HOSPITAL PATHOLOGY DEPARTMENT

PATIENT ESCORT SERVICE

N2.350.952.473.310

A special service provided by volunteers to accompany patients who need help in moving about the health facility.

Aug 77; only /stand /util

see under **HOSPITAL VOLUNTEERS**

PERSONNEL RECRUITMENT see PERSONNEL SELECTION

N4.452.677.500

PERSONNEL SELECTION

N4.452.677.500

The process of choosing employees for specific types of employment; includes recruitment.

Aug 77; includes recruiting; no qualif

see under **PERSONNEL MANAGEMENT**

X **PERSONNEL RECRUITMENT**

PHYSICAL EXAMINATION, PREADMISSION

E1.706.740

Physical examination including laboratory and radiologic studies done prior to institutional admission.

Aug 77; only /instrum /methods /stand

see under **PHYSICAL EXAMINATION**

PHYSICAL THERAPY DEPARTMENT, HOSPITAL

N1.278.354.422.615

N4.452.442.422.615

Hospital department which is responsible for the administration and provision of diagnostic and medical rehabilitation service to restore or improve the functional capacity of the patient.

Aug 77; only /man /stand /util; DF: PHYS THER DEP

see under **HOSPITAL DEPARTMENTS**

X **HOSPITAL PHYSICAL THERAPY DEPARTMENT**

POSITION DESCRIPTION see JOB DESCRIPTION

N4.452.677.410

PROFESSIONAL ACTIVITY STUDY see COMMISSION ON PROFESSIONAL AND HOSPITAL ACTIVITIES

N4.761.380.100

RADIOLOGY DEPARTMENT, HOSPITAL

N1.278.354.422.695

N4.452.442.422.695

Hospital department which is responsible for the administration and provision of x-ray diagnostic and therapeutic services.

Aug 77; restricted to x-ray diag & ther serv; does not include radioisotopes; only /man /stand /util; DF: RADIOL DEP

see under **HOSPITAL DEPARTMENTS**

X **HOSPITAL RADIOLOGY DEPARTMENT**

X **X-RAY DEPARTMENTS**

RAMPs see ARCHITECTURAL ACCESSIBILITY

J1.86.339.70

RECORDS CONTROL see FORMS AND RECORDS CONTROL

N4.452.758.572.180

REIMBURSEMENT, HEALTH INSURANCE see INSURANCE, HEALTH, REIMBURSEMENT

N3.219.521.576.343.470

RESPIRATORY THERAPY DEPARTMENT, HOSPITAL

N1.278.354.422.712

N4.452.442.422.712

Hospital department which is responsible for the administration of diagnostic pulmonary function tests and of procedures to restore optimum pulmonary ventilation.

Aug 77; only /man /stand /util; DF: RESP THER DEP

see under **HOSPITAL DEPARTMENTS**

X **HOSPITAL RESPIRATORY THERAPY DEPARTMENT**

SELF CARE UNITS

N2.278.388.740

Rooms in health care facilities for patients who require a minimal level of care.

Aug 77; only /stand /util (NIM only)

see under **HOSPITAL UNITS**

X **MINIMAL CARE UNITS**

J1.86.339.400

SOCIETIES, HOSPITAL

N3.540.828.540

Societies having institutional membership limited to hospitals other health care institutions.

Aug 77; only /hist; specify geog CATALOG: /geog /form

see under **SOCIETIES**

SPECIALTY BOARDS

N3.706.231.320

Organizations which certify physicians and dentists as specialists in various fields of medical and dental practice.

Aug 77; no qualif; specify specialty (IM) + geog

see under **CERTIFICATION**

SURGERY DEPARTMENT, HOSPITAL

N2.278.354.422.750

N4.452.442.422.750

Hospital department which administers all departmental functions and the provision of surgical diagnostic and therapeutic services.

Aug 77; only /man /stand /util; DF: SURG DEP

see under **HOSPITAL DEPARTMENTS**

X **HOSPITAL SURGERY DEPARTMENT**

UROLOGY DEPARTMENT, HOSPITAL

N2.278.354.422.790

N4.452.442.422.790

Hospital department responsible for the administration and provision of diagnostic and therapeutic services for the urologic patient.

Aug 77; only /man /stand /util; DF: UROL DEP

see under **HOSPITAL DEPARTMENTS**

X **HOSPITAL UROLOGY DEPARTMENT**

VENDING MACHINES, FOOD see FOOD DISPENSERS, AUTOMATIC

J1.364.420

X-RAY DEPARTMENTS see RADIOLOGY DEPARTMENT, HOSPITAL

N2.278.354.422.695

N4.452.442.422.695



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TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference to the section/page of the NLM On-line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with 23,001 citations on June 6, 1977. The sizes, Index Medicus date ranges and entry dates are given below:

MEDLINE (Jan 75 - July 77)	706,905
(Entry dates 741205 to 770527)	
SDILINE (July 77)	23,001
(Entry dates 770512 to 770527)	

CORRECTING "STOP COMMAND

Users have been experiencing difficulty with logging into the system and receiving the message "ID already in use". It has been determined that part of this problem is caused when the "stop" command is input and the single character delete symbol is used. To alleviate this problem, please do not use the single character delete (either the backward slash or the back arrow or the underscore) when entering the command "STOP". If a mistake is made, please use the dollar sign (\$) to delete the line. This only applies to the "STOP command.

EPILEPSYLINE ACCESS FOR FOREIGN CENTERS

EPILEPSYLINE is now available to all non-U.S. centers under the normal quid-pro-quo agreements.

NLM AUDIOVISUALS

Several audiovisuals produced by NLM have changed in price and in ordering procedures. Listed below is the most current information:

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MEDLARS On-Line -- MEDLINE
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Principles of Indexing
videotape (color, sound)
Part I Running time: 53:25
Part II Running time: 32:30
#009667 Price: \$114.00

ON-LINE HOURS, NLM AND SUNY

Effective July 1, 1977, the on-line hours of service at NLM and SUNY have been extended until 9 p.m. during July and August 1977 on an experimental basis. All times are Eastern Daylight Time.

	<u>NLM</u>	<u>SUNY</u>
MONDAY	3 A.M. - 6 P.M.	8 A.M. - 9 P.M.
TUESDAY	12 NOON - 9 P.M.	3 A.M. - 6 P.M.
WEDNESDAY	3 A.M. - 6 P.M.	8 A.M. - 9 P.M.
THURSDAY	3 A.M. - 6 P.M.	8 A.M. - 9 P.M.
FRIDAY	3 A.M. - 9 P.M.	8 A.M. - 6 P.M.

ANNOTATED MeSH, 1977, Page 379 CORRECTION

The Annotated 1977 MeSH on Page 379 incorrectly states:

NECROSIS, ASEPTIC see OSTEONECROSIS
NECROSIS, AVASCULAR see OSTEONECROSIS

They are actually in the computer and should be in MeSH as below and if input as above will not retrieve postings.

Correct entry term input to receive postings:

NECROSIS, ASEPTIC, OF BONE
NECROSIS, AVASCULAR, OF BONE
or OSTEONECROSIS (MH)

CHANGES IN THE MEDLINE AND SDILINE DATA BASES
Joseph Leiter, Ph.D., Associate Director for Library Operations, "L"

NLM has recently learned of a limitation in the absolute physical size of a file permissible in the MEDLARS system under IBM's Basic Direct Access Method (BDAM). The full size limitation is 65,536 tracks. With the July update to the MEDLINE file, 59,857 tracks had been used leaving only 5,679 tracks for the rest of this year. If no action were taken, the MEDLINE file size would be exceeded with the addition of the October 1977 Index Medicus update.

NLM is working with IBM to try to solve the problem of the file size limitation but a solution is not anticipated in time to allow NLM to continue input to the MEDLINE file on the same basis as in the past.

After careful review of the alternatives available, NLM has adopted the following actions:

1. Citations entered into MEDLINE as part of the August update do not include abstracts. However, the Abstract Source (AS) field does contain an indication that an abstract would have been available if input. Abstracts can be obtained from the SDILINE file for the current month.

2. The August SDILINE file includes abstracts as usual. However a limit on abstracts of 200 words per abstract has been imposed for the remainder of this and subsequent years. Abstracts exceeding the two hundred word limit will not be keyboarded or input. Publishers will be notified of this action to encourage them to provide shorter abstracts. Future SDILINE updates will continue in the present format.

3. The updates for September through December 1977 MEDLINE data base will not include abstracts, place of publication, reprint source and two other data elements which are used only for internal NLM purposes. These elements will all be included in the monthly SDILINE files (please note that SDILINE will not be a cumulative file; abstracts and reprint source will be available only on the current SDILINE).

As noted above, place of publication (PL) is being dropped. Searchers should use instead the Place of Publication Classification Number (PN) to limit searches to geographical areas. All PN's can be found in the Alphabetic MeSH and in the "Z" category of the MeSH Tree Structures. Also, the Place of Publication Classification Number can be located by using the "MESHNO Command, i.e., "MESHNO POLAND.

Search examples:

To retrieve articles published in the Far East:

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

```
ALL Z1.252.474: (PN)
```

or

EXP Z1.252.474: (PN)

Note in these examples the placement of the colon (:) after the tree number and the inclusion of (PN) as a qualifier.

In summary, the MEDLINE file will contain no abstracts for articles in the August through December updates. The SDILINE file will continue to be a one-month file. Thus, there will be no access to the abstracts for a given month after SDILINE has been retired. NLM does plan to incorporate the abstracts into the MEDLINE file when the new file is regenerated later in 1977 for the 1978 MEDLINE file. Because the use of the other elements has been very limited, there is a likelihood that they may continue to be excluded from the new 1978 files.

An experimental regeneration of the August SDILINE revealed that, with the elimination of the five elements referred to above, enough space will be available to permit approximately 20,000 citations to be input for the months of September through December. This 20,000 figure includes the Special List citations.

We regret any inconvenience the above changes may cause our users. We anticipate that the file size problem will be solved later this year and we will keep you informed of progress made.

CHEMLINE REGENERATION

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

CHEMLINE has been regenerated and now contains 243,373 compound records. These records include over 550,000 chemical names or synonyms. CHEMLINE now also contains the 33,579 chemicals on the Toxic Substances Control Act (TSCA) Inventory Candidate List (cf. Federal Register Statements Vol. 42, No. 46, March 9, p. 13130-13139, 1977; and Vol. 42, No. 70, April 12, p. 19298-19309, 1977.)

Chemicals on the TSCA list are identified by the locator designation (L0) EPATSCALIST which appears with "PRINT DETAILED ("PRT DL). The RC (R-code) field, which is searchable, and also appears with "PRINT DETAILED for these TSCA chemicals, is an EPA code designation.

A sample of a CHEMLINE record for trinitrotoluene with the new locator code and RC field is shown below.

```
USER:
"FILE CHEMLINE
PROG:
YOU ARE NOW CONNECTED TO THE CHEMLINE FILE.
```

SS 1 /C?
USER:
(LO) EPATSCALIST
PROG:
SS (1) PSTG (33579)

SS 2 /C?
USER:
TRINITROTOLUENE
PROG:
MM (TRINITROTOLUENE) (2)
1 TRINITROTOLUENE (NF)
2 TRINITROTOLUENE (SY)
SPECIFY NUMBERS, ALL, OR, NONE-
USER:
2
PROG:
SS (2) PSTG (1)

SS 3 /C?
USER:
"PRT DL
PROG:

1
RN - 118-96-7
MF - C7-H5-N3-06
N1 - TOLUENE, 2,4,6-TRINITRO- (8CI)
N1 - BENZENE, 2-METHYL-1,3,5-TRINITRO- (9CI)
SY - TNT
SY - TOLITE
SY - SYM-TRINITROTOLUENE
SY - TRINITROTOLUENE
SY - SYM-TRINITROTOLUOL
SY - TROTYL
SY - ALPHA-TNT
SY - 2,4,6-TRINITROTOLUENE
SY - TRITOL
SY - 2-METHYL-1,3,5-TRINITROBENZENE
WL - WNR B CNW ENW
NR - 1
RS - 6
RE - C6
LO - TOXLINE
LO - EPATSCALIST
RC - R046-2059

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

SS 4 /C?
USER:
"PRT RN, N1, LO, RC
PROG:

1
RN - 118-96-7
N1 - TOLUENE, 2,4,6-TRINITRO- (8CI)
N1 - BENZENE, 2-METHYL-1,3,5-TRINITRO- (9CI)
LO - TOXLINE
LO - EPATSCALIST
RC - R046-2059

SS 4 /C?
USER:
(RC) R046-2059
PROG:
SS (4) PSTG (1)

SS 5 /C?
USER:
"PRT RN, RC
PROG:

1
RN - 118-96-7
RC - R046-2059

SS 5 /C?

CHEMLINE can assist organizations having to report to EPA which chemicals they manufacture as proposed in the Federal Register statements, since CHEMLINE has the CAS Registry Number, and the EPA code designation (RC) which must be reported. For those chemicals not on the TSCA Candidate List, CHEMLINE can also be of assistance since it contains the CAS Registry Number, molecular formula, synonyms, and other chemical information.

Further explanation of the Toxic Substances Control Act (TSCA) Inventory Candidate List will be in a future Technical Bulletin. Please contact the Toxicology Information Program, 301/496-1131, in the interim.

AVLINE STATUS REPORT

Harold Schoolman, M.D., Deputy Director for Research and Education, NLM

In January 1977, the technical services processing functions were transferred from NMAC to the Technical Services Division, Library Operations. Since this time, over 5,000 titles from over 600 producers/distributors have been ordered. As of July 1, 1977, AVLINE contains over 3500 records and 32% of the data base has been added since January. At the present growth rate, over 2,000 titles will be added this year.

From our experience in the processing of new materials, it was evident that there exist great variations in the nature and scope of the materials collected for AVLINE. On the basis of content and educational design criteria, non-serial AVLINE material has been categorized into two types of categories. A two-track processing stream has been initiated and new titles added to AVLINE will reflect these changes.

AVLINE material has been categorized as follows:

Category A: Materials exhibiting a purposeful choice and integration of media support of content and educational intent produced for an audience distant from the production site and not mere recordings of educational events.

Category B: Materials representing predominantly documentation of scheduled educational events, such as lectures, grand rounds, seminars, continuing education courses, society meetings, etc.

Category A material is processed through the Association of American Medical Colleges (AAMC) review procedure. After technical screening and descriptive cataloging at NLM, each piece is sent to the AAMC for review. The AAMC sends the piece to two members of their panel of 800 experts located in academic health centers throughout the country. Each of the two expert reviewers appraises the piece and one writes a critical review. When this review data arrives back at NLM, the critical review is edited and the review data is added to the cataloging record. Subject headings and call numbers are assigned.

Category B material is processed through an abbreviated procedure. After technical quality screening, catalogers at NLM do both the descriptive and subject cataloging. The citation is then added directly to AVLINE without an abstract or review data. The only element in the Review Data (RD) field is the term "none".

AVLINE UPDATE
Virginia White, Technical Services Division, NLM

Searching Implications of Category A and Category B

The categorization of AVLINE material into Category A (educationally designed programs) and Category B (programs representing documentation of educational events) (see AVLINE status report, page 8) allows retrieval to be limited to either of these two types of programs.

Searches can be limited to reviewed Category A items by restricting retrieval to only those citations with the terms "RECOMMENDED" or "HIGHLY RECOMMENDED" in the Review Data (RD) field.

EXAMPLE:
SS 1/C?
USER:
(RD) RECOMMENDED OR HIGHLY RECOMMENDED

SS 2/C?
USER:
CORONARY DISEASES AND 1

Searches can be limited to Category B items by restricting retrieval to only those items with the term "NONE" in the Review Data (RD) field.

EXAMPLE:
SS 1/C?
USER:
CORONARY DISEASES AND NONE (RD)

AVLINE Abstracts

AVLINE now contains three distinct types of abstracts which are tagged to indicate the source. Critical reviews of Category A items are supplied by the AAMC and edited at NLM. On an AVLINE printout, they begin with the following words: (Critical) This program... . Where available and appropriate, abstracts supplied by the producer and edited at NLM are included for selected Category A items. These producer-supplied abstracts begin as follows: (Producer) This program... . Some abstracts are prepared for individual items by an independent organization under contract to NLM. These abstracts carry no tag and begin as follows: This program... .

In addition to appearing on AVLINE print-outs, these tags will be carried in the April-June quarterly issue of Current Catalog.

SEARCHING SPECIAL LISTS

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

"Special Lists" are subsets of MEDLINE which contain citations which can be retrieved on-line but do not appear in Index Medicus. Six Special Lists either exist currently or have existed at some time between 1966 and the present; three of them are associated with printed bibliographies:

<u>Main Heading</u>	<u>List Indicator</u>	<u>Published Bibliography</u>
Special List Dental	D	Index to Dental Literature
Special List Nursing	N	International Nursing Index
Special List Reproduction	R	Population Sciences
Special List Foreign	F	----
Special List WHO	W	----
Special List Health Care	H	----

The heading "Special List WHO" was created in anticipation of a need that never materialized and the heading was therefore never used.

In MEDLARS II, citations from journals indexed only for Special Lists were initially identified in MEDLINE both by a Main Heading (MH) and by a List Indicator (LI). The main heading in each case was not keyed in as part of the citation, but was generated by the computer from the List Indicator. However, with the implementation of new input processing programs in April 1976, the procedure for generating a Main Heading from the List Indicator was eliminated. Therefore all Special List citations input to the current MEDLINE file since April 1976 have a Special List Indicator (LI) but no Main Heading (MH) for the Special List designation. A search strategy which included only "Special List _____" as a search term would miss all these citations.

Searchers wishing to limit their retrievals to a particular special list, or wishing to negate a particular special list should therefore use the List Indicator rather than the heading. For example:

Dental Care and D (LI)
NOT Dental Care and Special List Dental

or

Decubitus Ulcer and not N (LI)
NOT Decubitus Ulcer and not Special List Nursing

In order to reduce confusion, the Special List Main Headings will be dropped from 1978 MeSH and the computer will then no longer accept a search statement in which one is included.

1978 ON-LINE SERVICES TRAINING SCHEDULE
 Laura Eisenberg, On-Line Training Coordinator, NLM

Following is the 1978 on-line services training schedule. It is, of course subject to change as necessary to meet the demand from the field. Due to the enormous number of requests for training, it has become necessary to implement the following changes in the processing of applications;

- a. Trainees from new centers will continue to be assigned to the first available class upon receipt of the application for access to the system.
- b. Applications from replacement searchers from organizations who have lost their trained analysts will be processed upon receipt and scheduled on a tentative basis for the next available class. Such training may be rescheduled as necessary to vacate a slot for a new center applicant.
- c. Applications from back-up searchers will be date-stamped in order of receipt at NLM. Notification of scheduling for training will be delayed until 6-8 weeks prior to the date of the course. At that time, the class will be officially closed and back-up searchers will be placed in slots not taken by persons in categories (a) and (b) above.

Any questions regarding these procedures may be addressed to Laura Eisenberg, On-line Training Coordinator, NLM or your regional medical library.

<u>DATE</u>	<u>TYPE</u>	<u>LOCATION</u>
January 16-20, 1978	Advanced	NLM
January 23-27	Initial	UCLA - RML 11
February 6-10	Initial	Detroit - RML 5
March 6-10	Advanced	NLM
March 20-24	Initial	NLM
April 3-7	Initial	Madison - RML 7
April 17-21	Advanced	NLM
May 1-5	Advanced	New York City - RML 2
May 8-12	Advanced	UCLA - RML 11
May 15-20	Initial	NLM
June 26-30	Advanced	Dallas - RML 9
July 3-7	Advanced	NLM
July 17-21	Initial	NLM
August 7-11	Initial	UCLA - RML 11
August 14-18	Advanced	NLM
August 28-September 1	Advanced	Chicago - RML 7
September 11-15	Initial	NLM
October 9-13	Advanced	NLM
November 6-10	Advanced	NLM
December 4-8	Initial	NLM
December 11-15	Advanced	UCLA - RML 11
January 7-11, 1979	Advanced	NLM

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

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

ACTA ANTHROPOGENETICA
1, 1977--
Impex India
New Delhi, India

+ACTAS UROLOGICAS ESPANOLAS
1, 1977--
Asociacion Espanola de Urologia
Madrid, Spain

AGED CARE AND COUNSELING
1, 1977--
Haworth Press
New York, New York

BIOBEHAVIORAL REVIEWS
1, 1977--
Ankho Internationalo, Inc.
Phoenix, Arizona

CHILD AND YOUTH SERVICES
1, 1977--
Haworth Press
New York, New York

CIRUGIA ESTETICA
1, 1976--
Sociedad Argentina de Cirugia
Estetica
Buenos Aires, Argentina

CLINICAL THERAPEUTICS
1, 1977--
Excerpta Medica
Princeton, New Jersey

COMPARATIVE PHYSIOLOGY AND ECOLOGY
1, 1976--
Impex India
New Delhi, India

CURRENT NEPHROLOGY
1977--
Pinecliff Medical Publishing
Pacific Palisades, California

CURRENT SURGICAL PRACTICE
1977--
Year Book Medical Publishers
Chicago, Illinois

CURRENT TOPICS IN NUTRITION AND
DISEASE
1, 1977--
Alan R. Liss
New York, New York

CYCLIC GMP
1977--
Eden Press
Montreal, Canada

DEATH AND DYING BIBLIOGRAPHY
1, 1977--
Whitston
Troy, New York

DRUG ABUSE AND ALCOHOLISM REVIEW
1, 1977--
Haworth Press
New York, New York

ELECTROMAGNETIC FIELD IN
BIOMEDICAL SCIENCE
1977--
Eden Press
Montreal, Canada

EUTHANASIA CONTROVERSY BIBLIOGRAPHY
1, 1977--
Whitston
Troy, New York

FEMALE PATIENT
1, 1976--
PW Communications
New York, New York

HYPOTHALAMIC RELEASING FACTOR
1977--
Eden Press
Montreal, Canada

INDIAN JOURNAL OF PARASITOLOGY
1, 1977--
Indian Society for Parasitology
Lucknow, India

INDIAN JOURNAL OF PHYSICAL
ANTHROPOLOGY AND HUMAN GENETICS
1, 1976--
Ethnographic and Folk Culture
Society
Lucknow, India

INTELLIGENCE
1, 1977--
Ablex Publishing
Norwood, New Jersey

ISSUES IN COMPREHENSIVE PEDIATRIC
NURSING
1, 1976--
McGraw Hill Book Co
New York, New York

JOURNAL OF OPTOMETRIC VISION
DEVELOPMENT
7N3, 1976--
Cont of Journal of Optometric
Vision Therapy
Worthington, Minnesota

JOURNAL OF SEX EDUCATION AND
THERAPY
1, 1976--
Washington, DC

JOURNAL OF SOCIAL SERVICE RESEARCH
1, 1977--
Haworth Press
New York, New York

MACROPHAGE
1977--
Eden Press
Montreal, Canada

MEDICAL IMAGING
1, 1976
Brentwood
Los Angeles, California

MEDICAL ULTRASOUND
1, 1977--
Wiley Medical
Includes unnumbered pre-
publication issue August 1976.
Denver, Colorado

NEUROTRANSMITTER AMINO ACIDS
1977--
Eden Press
Montreal, Canada

NEW IMAGE OF MAN IN MEDICINE
1, 1977--
Futura Publishing Co
Mount Kisco, New York

OBESITY AND ITS TREATMENT
1977--
Eden Press
Montreal, Canada

OVERALL REGULATIONS OF THE
CIRCULATION
1977--
Eden Press
Montreal, Canada

PARAMETERS IN HEALTH CARE
1, 1976--
Saint Louis University
Medical Center
St Louis, Missouri

PERIPHERAL METABOLISM AND ACTION
OF THYROID HORMONES
1977--
Eden Press
Montreal, Canada

RECOMBINANT DNA RESEARCH
1, 1976--
DHEW, National Institutes of
Health
Documents relating to "NIH
Guidelines for Research Invol-
ving Recombinant DNA Molecules",
Feb. 1975/June 1976 .
Bethesda, Maryland

REGULATION OF GROWTH HORMONE
SECRETION IN ANIMALS AND MAN
1977--
Eden Press
Montreal, Canada

RENAL PROSTAGLANDINS
1977--
Eden Press
Montreal, Canada

RENIN
1977--
Eden Press
Montreal, Canada

TETANUS AND ANAEROBIC INFECTIONS
1977--
Eden Press
Montreal, Canada

WASHINGTON DRUG REVIEW
1, 1976--
Resources News Service
Washington, DC

WEEKLY PSYCHIATRY UPDATE SERIES
1, 1976--
Biomedica
Princeton, New Jersey

WORLDWIDE BIOMEDICAL MEETINGS,
CONFERENCES, AND EXHIBITIONS
1, 1977--
Robert S. First
New York, New York

YEARBOOK OF WORLD PROBLEMS AND
HUMAN POTENTIAL
1, 1976--
Union of International
Organizations
Brussels, Belgium

YEAR IN HEMATOLOGY
1976/77--
Plenum
New York, New York

LIST OF MONOGRAPHS INDEXED

AUGUST 1977

C

Chronic forms of polyarthritis: [an international symposium, Torremolinos, 24th-25th March 1975] / edited by F. J. Wagenhäuser ; [manuscripts coordinated and translated under the supervision of C. Adams ... et al.]. -- Bern : Huber, c1976. 407 p. : ill.

1. Arthritis - congresses
2. Indomethacin - therapeutic use - congresses
3. Phenylacetates - therapeutic use - congresses
4. Psoriasis - congresses
5. Rheumatism - congresses
- I. Adams, C. II. Wagenhäuser, Franz Josef, ed. III. Title: International symposium on chronic forms of polyarthritis

ISBN 3-456-80381-8

04NLM: WE 344 C559 1975

IM

Cit. No. 7704789

J

Juvenile hypertension / edited by Maria I. New, Lenore S. Levine. -- New York : Raven Press, c1977 xiv, 230 p. : ill. -- (Kroc Foundation series ; v. 8) Based on a symposium held at the Kroc Foundation Ranch in Santa Ynez, Calif. on Mar. 23-26, 1976.

1. Hypertension - in infancy & childhood - congresses
2. Hypertension - in adolescence - congresses
- I. Levine, Lenore S., 1933- ed. II. New, Maria I., 1928- ed. III. Title: Symposium on juvenile hypertension
- IV. Series

ISBN 0-89004-145-8

LC: 76-51556

04NLM: W3 KR45 v.8 1976

0XNLM: [WG 340 J97 1976]

IM Cit. No. 7701105 (rev. CIP.)

R

RNA polymerase / edited by R. Losick, M. Chamberlin. -- [Cold Spring Harbor, N. Y.] : Cold Spring Harbor Laboratory, 1976. ix, 899 p. : ill. -- (Cold Spring Harbor monograph series) Based on the 1975 Cold Spring Harbor meeting on RNA polymerase.

1. RNA Polymerases - congresses
- I. Chamberlin, Michael, ed. II. Losick, R., ed. III. Cold Spring Harbor Laboratory. IV. Title: Cold Spring Harbor meeting on RNA polymerase
- V. Series

ISBN 0-87969-115-8

LC: 76-17182

04NLM: QU 58 R106 1975

IM

Cit. No. 7703782



THE NLM TECHNICAL BULLETIN

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

AUGUST 1977

No. 100

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TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference to the section/page of the NLM On-line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with August 1977 citations on July 11 at NLM and July 18 at SUNY. The sizes, Index Medicus date ranges and entry dates are given below:

MEDLINE (Jan 75 - Aug 77)	731,066
(Entry dates 741205 to 770630)	
SDILINE (August 77)	24,171
(Entry dates 770611 to 770630)	

TOXLINE UPDATE - JULY 25, 1977

The TOXLINE file was updated July 25, 1977 with 18,206 records as follows:

<u>SUBFILE</u>	<u>COVERAGE</u>	<u>RECORDS ADDED</u>
CBAC	Vol. 25, Iss. 11-13	5,682
ETIC*	1950 - Present	8,803
HEEP	Aug 77	1,100
IPA	May 77	605
PESTAB	May-July 77	590
TOXBIB	Aug 77	1,426

*Note: ETIC is the Environmental Teratology Information Center File, Oak Ridge National Laboratory.

TOXLINE CODES, AVAILABILITY OF MEDLINE AND RELATED FILES

Effective July 21, 1977, all codes which previously had access only to TOXLINE and related files now have access to MEDLINE and related files as well. The price structure remains unchanged. Please notify MEDLARS Management Section if you have problems with the change or if you cannot access all files.

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8600 Rockville Pike
Bethesda, Maryland 20014
301/496-6193

MEDLINE CODES, AVAILABILITY OF TOXLINE AND RELATED FILES

If your institution has a code which has access only to MEDLINE and related files and use of TOXLINE and related files is desired, send MEDLARS Management Section a signed copy of the new Memorandum of Understanding or reply to the letter on the subject of MEDLINE centers without TOXLINE access, sent to all institutions by Drs. Leiter and Kissman dated May 16, 1977. Contact MEDLARS Management Section if you have any questions.

TYNNET NUMBERS (Manual II-9)

Changes:	<u>From</u>	<u>To</u>
Albany, NY	518/463-7452 C (Tymnet FX)	518/463-2203 (Tymnet FX)
Memphis, TN	901/396-4411 C (Tymnet)	901/345-1111 (Tymnet)
New Numbers:		
Jacksonville, FL	904/721-8100 C (Tymnet FX)	
Orlando, FL	305/841-6850 C (Tymnet)	
Iowa City, IA	319/351-4046 C (Tymnet FX)	
Indianapolis, IN	317/257-3470 C (Tymnet)	
Toledo, OH	419/243-3144 C (Tymnet FX)	
Corning, NY	607/962-5071 C (Tymnet)	

ENTERING SYSTEM WITHOUT PROPER LOGIN

If you are ever connected to either NLM or SUNY without receiving the message PLEASE ENTER USER ID OR LOGON followed by the over-printed area for ID you may be on the system in the last part of another user's search. This is caused when the other user did not "STOP properly. If this should happen, issue a "DIAGRAM command to see searching strategy input (to make sure that you are really not re-accessing the system under your ID). If you are not logged on with your user ID, issue a "STOP command and hang up, re-dial, and access the system. This problem is under investigation at NLM.

MEDLARS MANAGEMENT SERVICE DESK

Please remember that a Service Desk is provided in MEDLARS Management Section to answer all questions on logon/logoff procedures, communications, search strategies, off-line prints, offsearches, etc. at NLM and SUNY. Staff members are assigned to the Service Desk from 8:30 a.m. to 5:00 p.m. EDT Monday thru Friday. It is not necessary to ask for individual MMS staff members. The numbers of the Service Desk are (301) 496-6193 or toll-free (800) 638-8480. For urgent computer-related problems encountered in the evening, on holidays, or other times when MEDLARS Management Section is not staffed, you may call the NLM Computer Room (301) 496-2734. If the staff in the Computer Room cannot immediately assist you they will take a message and a description of the problem and forward it to MEDLARS Management Section the following day.

CANCER INFORMATION MEETING

If you are going to the ASIS annual meeting in Chicago, September 26-30, 1977, you might want to attend the ICRDB Users Forum. The Forum will be held on Tuesday, September 27 at 1:00 p.m. For the location, please check the official program. The International Cancer Research Data Bank (ICRDB) Program of the National Cancer Institute has developed a variety of cancer information products, including the CANCERLINE data base. Members of the ICRDB staff will be present during the forum to discuss the various products and to answer any questions.

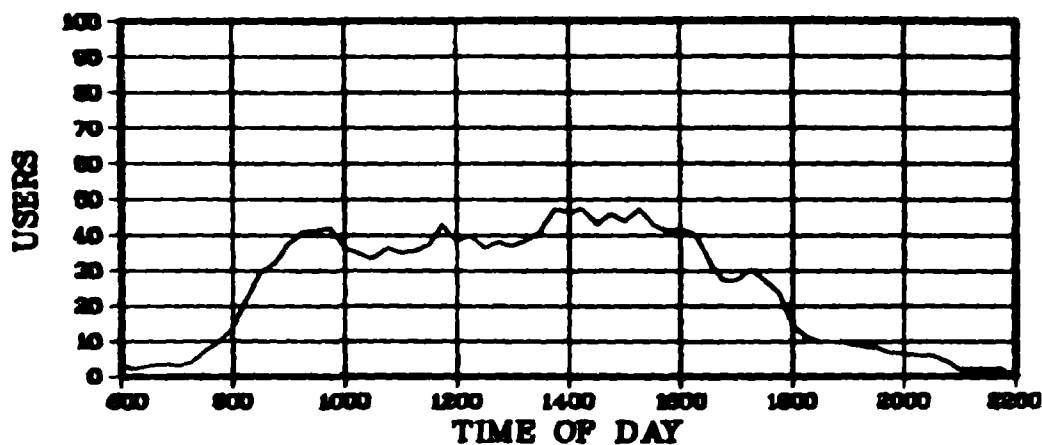
1978 ON-LINE SERVICES TRAINING SCHEDULE

Please change the July 3-7 initial class at NLM to July 10-14.

EXTENSION OF NON-PRIME TIME, 8 - 9 P.M. HOURS AND GREATER USE OF SUNY
Joseph Leiter, Ph.D., Associate Director for Library Operations

During the months of July and August NLM conducted two experiments. One was to increase the number of non-prime hours by making 11:30 to 1:00 non-prime instead of prime time. The reason for this was to attempt to level out use and to increase usage during 11:30 a.m. to 1:00 p.m. by decreasing use during the peak hours of 2:00 to 3:00 p.m. and early morning hours. The chart below which represents data from July 1 through August 15 shows that this was a successful experiment. Therefore, NLM is pleased to announce that it will continue to make 11:30 to 1:00 p.m. non-prime until November 30 at which time another evaluation will have been completed.

AVERAGE ON-LINE USERS JULY 1, 1977 THRU AUGUST 15, 1977



Also, during July and August, NLM added an extra hour to the end of the day. NLM was up until 9 o'clock on Tuesday and Friday while SUNY stayed up until 9 p.m. on Monday, Wednesday and Thursday. During the month of July a total of 149 hours was used between the time 8:00 to 9:00 p.m. and an average of 7½ users were on the system during this time. An average of 20 different users used the system during this time period. Again, NLM feels that the extension of the hours proved to be useful to our on-line users; therefore, we will continue the 8:00 to 9:00 p.m. time until November for further evaluation.

We are pleased with the cooperation and interest shown by our on-line user community. NLM will continue to monitor use patterns and we will explore other approaches which may make our service of greater benefit to all. We have been much less successful in obtaining voluntary adherence to our request for greater use of the SUNY computer. Although the response time on SUNY is sometimes a little slower than at NLM, it is not important so long as the number of users is not greater than 15-20. Our current experience indicates that the SUNY data bases are under-utilized by at least one-third. Increased use of SUNY for MEDLINE files will provide more reserve capacity at NLM and provide greater insurance against a decay in NLM computer performance during the next three years until new hardware resources can be procured to cope with the increased workloads.

All network users are requested to log into SUNY first for MEDLINE searches and switch to NLM if other files are needed. A precautionary measure against overloading SUNY would be to ask for "USERS" prior to formulating searches. If the number is greater than 18, then a switch to NLM would be acceptable.

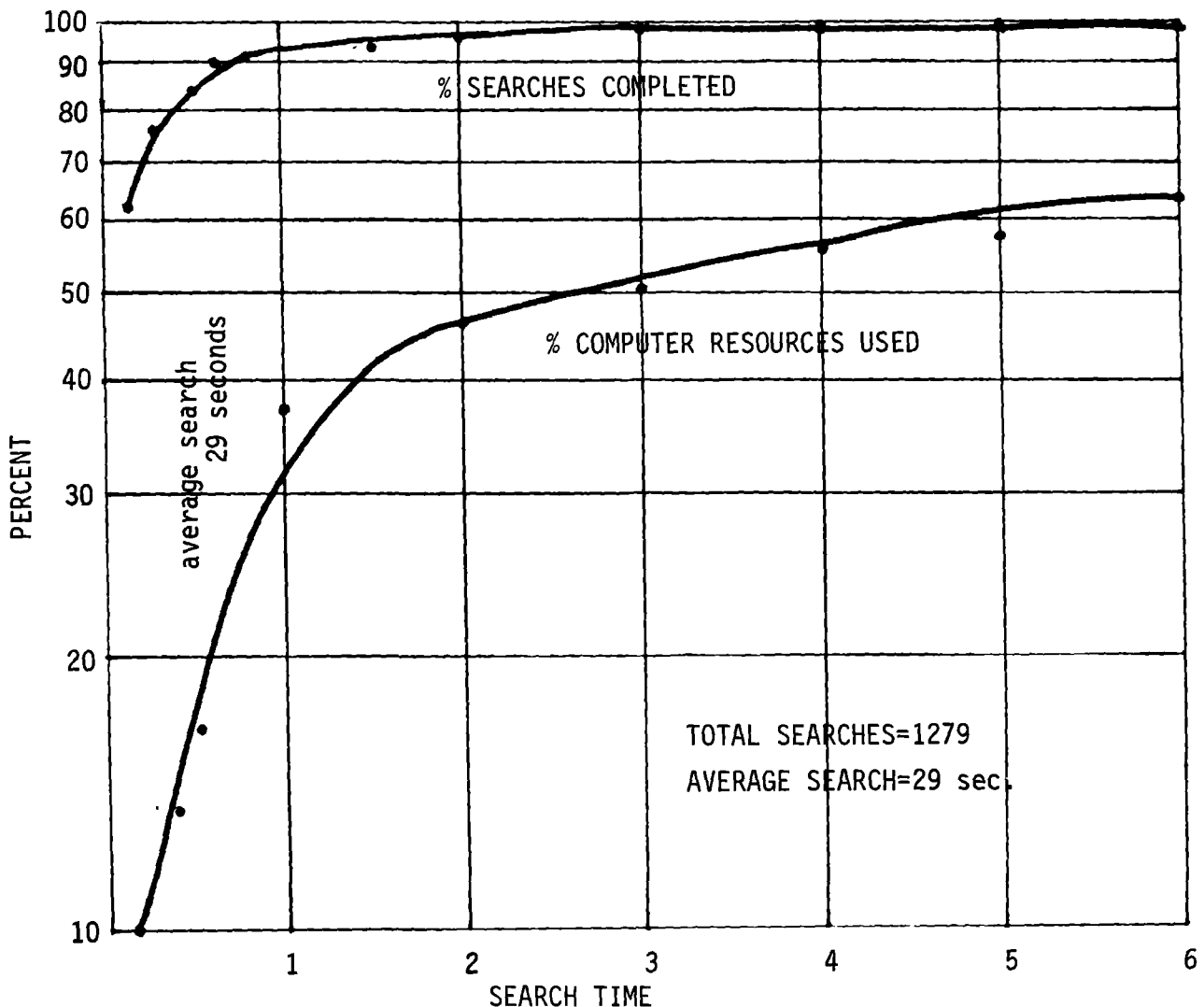
If these voluntary measures on your part do not provide an adequate increase in SUNY file utilization, software controls which are generally less flexible will have to be implemented. These controls could impact your service needs more than the voluntary measures.

We will keep you informed on this matter the next three months and provide progress reports on your voluntary efforts.

PROCESSING LIMITATIONS IN OFFSEARCH
 Joseph Leiter, Ph.D., Associate Director, Library Operations

In January 1977, the National Library of Medicine did a study of the computer resources needed to provide offsearches. 1,279 searches done over a two-week period were included in the study. More than 97% of the 1,279 searches were processed by the computer in less than three minutes. 95.5% were processed in less than one minute. The average search in this sample took 29 seconds to process. Despite the small number of searches that ran for more than three minutes, the five longest searches of the 1,279 in the sample used 21.6% of the total processing time. The 33 searches which ran in excess of three minutes used 49.4% of the processing time. Although the analysis identified a program "bug" that contributed in part to longer processing, which has been corrected, the fact that a small number of searches could use an inordinate proportion of the systems resources was disturbing in the face of our need to maintain our performance with our current computer for at least three more years.

RESOURCES REQUIRED TO PERFORM OFFSEARCHES



It was therefore decided that a processing limit should be placed on off-searches for the following reasons:

- 1) Most searches take much less time than the limit but the few searches which run over the limit take a very large portion of the total processing time, as described above. On occasion these long searches have threatened our ability to mail off-line prints the next day. In addition, there have been occasions when we have not been able to bring the service up on time because of the computer time required to process these long offsearches.
- 2) Since the average cost of operation of our system is over \$300 per hour, a search of five minutes, for example, represents an actual cost of \$25 in computer search time alone. This is in sharp contrast to the charge of only one dollar per data base.

If your searches fall into the 97%, you will of course not be concerned with this matter. Only a handful of our users have had this problem. We believe that an awareness of it will further reduce the number of searches that will be aborted.

The article "Judicious Use of Stringsearch in On-Line and Off-Line Searching" by David Kenton which was published in the January 1977 issue of the Technical Bulletin closed with the statement "NLM is investigating the imposition of an automatic limit on the duration of individual searches." The implementation of an offsearch limit was also discussed at the NLM On-Line Users Meeting in Seattle, Washington during the MLA Meeting. Additionally the limitations were discussed at the RML On-Line Coordinator's meeting held April 1977 at NLM.

Two limitations were implemented experimentally July 6 on one of the two copies of the ELHILL programs which we run at NLM. (Users are routed automatically to the copy of the program which has the fewest on-line users at the time they log on; users cannot pre-select a certain program copy.)

The limitations which have been implemented so far are:

- a) Three-minute processing time per file group.
- b) 3,000 citation stringsearch limit.

Files are generally batched for offsearch processing efficiency. Thus, MEDLINE and BACK72 are run as a file group, as are BACK69 and BACK66.

If an offsearch is input to be run against multiple files such as MEDLINE, BACK72, BACK69, etc., the search is processed against each file until the three-minute limit is reached for the file group. In other words, the three-minute limit is a cumulative one for all files in the group and is not a per file limit. If the search exceeds the search time or stringsearch limit before it is processed against all requested files in the file group, it is purged completely and the user does not receive any part of the search in that task. Some searches cannot be processed even on a single file, for example, searches which include one of the following explosions: EXP C4,

EXP D1, or EXP D2. EXP *C4, *D1, and *D2, however, will work if other large explosions are not used in the same search. Because of these factors, it is essential that the analyst be aware of large explosions and limit offsearches to one file at a time. While this might create an additional burden for the analyst, it also makes the analyst more aware of the limits of the system. As a comparison with on-line searches, a general rule of thumb is that any search which will result in 90(!) time overflows will exceed the three-minute time limit for a MEDLINE, BACK72, BACK69, or BACK66 search run under OFFSEARCH.

I would like to share our experiences to date with you. During the period July 6 through July 21, nineteen offsearches were purged because they exceeded the offsearch three-minute time limit. During this time, 2,189 OFFSEARCHES were processed and 19 rejected for time overflow. This represents less than 0.9% rejection. Some of the searches could have been processed successfully against one file, but were "purged" when they were attempted to be run against subsequent files. The most common single cause for exceeding the three-minute offsearch limit to date is exploding C4. Seven of the nineteen were purged because C4 was exploded as part of the search. Five of the nineteen were purged because the search contained too many explosions "ANDed" with highly-posted MeSH terms or text words. Four of the nineteen exceeded the limit when MEDLARS.PSYCHASPECTS was "ANDed" with large search terms such as English, Human, and/or check tags with large postings. One search failed because of redundant repetition of explosions, e.g. SS-1: EXP ABC and X; SS-2 EXP ABC and Y. Two searches failed because of excessive stringsearching which exceeded the three-minute time limit. Generally, it takes one minute to stringsearch one term against 1200 citations.

The use of explosions such as C4 are comparatively rare. In order to avoid time overflows in OFFSEARCH, searchers will need to take care to use smaller portions of C4 such as *C4 or other logical divisions. Applying subheadings to EXP C4, either with the "Subheadings Apply command or the slash (e.g., EXP C4/DT) will also significantly reduce the processing time. Searches containing the stored hedge MEDLARS.PSYCHASPECTS (SN) will be successful only if the hedge is not "ANDed" with highly posted terms/check tags or text words. Often, users combine this particular hedge with a disease which only occurs in humans and then the check tag Human is also added. This is not necessary, since most of the concepts contained in the hedge as well as the disease terms already restricts the search to humans for the most part. Additionally, the stored hedge MEDLARS.IMMUNO (SN) will not execute in more than one file per offsearch without exceeding the limit, and if used, care must be taken not to combine this hedge with highly posted terms/text words, etc. A further caution: when using a stored hedge or exploding a term, the stored hedge name or the explosion of a term should only be input once in the search; the user should refer back to the search statement containing the aforementioned when needed later in the search strategy. Other search hints will be provided as data becomes available on searches that exceed the offsearch processing limit.

Staff from MEDLARS Management have called all users who have had searches purged to notify them and to try to assist in re-formulating the search. Analysts should save all offsearch formulations and the Task Number assigned at the time they input the offsearch so that they will have the necessary

information to reformulate and re-input the search if required.

In certain cases a search may exceed the offsearch processing limitation, but the analyst may have an urgent requirement that the search be run. In this case, the search request and formulation together with the reasons for requiring the explosions, etc. should be sent to MEDLARS Management Section. NLM cannot guarantee that requested searches will actually be processed but each search will be decided on an individual basis and if justified, NLM will process the search and mail the results to the user.

The second limitation is one on the number of citations that can be string-searched per offsearch task number. The present limitation is 3,000 citations. None of the nineteen searches exceeded this stringsearch limitation because the time limit was exceeded first. If searches are purged because this stringsearch limit is exceeded, MMS will also contact the analyst.

Stored searches executed through offsearch against SDILINE or via automatic SDI processing are subject to the same limitations described above. It is very unlikely that any of these will abort because of the small size of the file.

NLM plans to implement fully (i.e., on both copies of the program) the above stated limitations in September 1977. We are aware of the potential impact these limitations have on future searching and NLM will attempt to document completely as possible steps analysts should consider in order to formulate searches so as to avoid exceeding the limitations.

AVLINE UPDATE
Virginia White, Technical Services Division, NLM

AVLINE CONTENT

More than 3500 citations were in the AVLINE data base at the beginning of August, of which 85% represent Category A programs (educationally designed) and 15% represent Category B programs (documentation of educational events). Of the Category A programs, 10% are self instructional and 90% are suitable for use as lecture support. 75% of Category A programs are suitable for medical audiences, 50% for nursing audiences, 25% for dental audiences, 50% for allied health personnel and 10% for Ph.D.'s. 80% are recommended for undergraduate education, 75% for graduate education and 65% for continuing education.

Using NLM classification numbers to categorize the AVLINE data base by subject, 81% of the over 3500 items concern clinical medicine, 11% the preclinical sciences, 3% nursing, 2% history of medicine, 1% hospitals and 2% social sciences and psychology.

AVLINE RETROSPECTIVE CATALOG

The National Library of Medicine AVLINE catalog, covering 2400 titles added to AVLINE in 1975 and 1976, is currently available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The price is \$5.00 (domestic) and \$6.25 (foreign). The GPO stock number is S/N 017-052-00183-3. This catalog contains only a subject section, listing bibliographic and review data. Abstracts are not included.

CHEMLINE AND TOSCA
Henry M. Kissman, Ph.D.
Associate Director for Specialized Information Services, NLM

Recently, you may have noticed that CHEMLINE now contains a new data element RC (R-Code) and a new Locator Code (LO) "EPATSCALIST" and wondered what they meant.² These additions were made in order to incorporate in CHEMLINE a list of chemicals, called the TOSCA Inventory Candidate List, which was created by the Environmental Protection Agency (EPA) to fulfill some of the mandates of the Toxic Substances Control Act (TOSCA) of 1976.

Before going into the CHEMLINE changes and their significance for the on-line user, it might be useful to tell those of you who have as yet not been involved with TOSCA, a little about this new law.

For many years, the Federal Government has exerted steadily widening controls over the manufacture and use of chemical products. This is being done through the passage and application of a series of laws that have been established along use categories. Thus, food additives, drugs, and cosmetics are regulated under the Food, Drug and Cosmetic Act while pesticides are controlled through the Federal Insecticide, Fungicide and Rodenticide Act. These laws were established primarily to protect users from hazards associated with exposure to chemical substances. In 1973, Congress passed the Occupational Safety and Health Act which protects workers against job-connected hazards including those stemming from exposure to chemicals in the work place.

However, it was recognized that these laws still left a majority of chemicals that could be produced, imported, distributed, processed and disposed of without regard to any damaging effects they might exert on human health or on the environment. For the last five years, the Congress and Executive Branch of the Government have labored to create a new piece of legislation that would close these loopholes and bring about some control over all chemicals without, at the same time strangling the chemical industry of this country. The Toxic Substances Control Act of 1976 is the result of these efforts.³

It is a highly complex piece of legislation that "...grants EPA broad powers to regulate the manufacture, use and disposal of toxic chemicals. Industry will be required to report new chemicals and pre-test certain ones before they can be introduced into manufacturing use or commercial products.

'Significant new use' of some existing chemicals can also trigger reporting and testing requirements."⁴ Full implementation of TOSCA will depend on the rules and regulations EPA will develop under the authority granted to it by this Act. TOSCA differs in one significant way from the other major laws controlling chemicals; it explicitly allows health and safety data collected under its mandate to be disseminated to the public.

In one of its key provisions (Section 8b), TOSCA gives EPA the mandate to assemble an "Inventory" of all chemicals produced in or imported into the United States. The first step in building this Inventory was to collect information on all chemicals manufactured or imported from July 1, 1974, through 1977. All chemicals that are not on this list and are manufactured or imported thereafter will be subject to pre-market notification require-

ments under the "new chemicals" provision of TOSCA. It is, therefore, advantageous for chemical producers to have their existing products appear on the initial Inventory.

To start the process and make reporting on existing chemicals easier, EPA assembled through a contract with Chemical Abstracts Service (CAS), a TOSCA Inventory Candidate List with some 33,000 compounds used in industrial or commercial products. Compounds on this Candidate List are "tagged" with CAS Registry Numbers (numbers that identify chemicals uniquely in CAS' Computerized Registry System). The list also contains standardized nomenclature, synonyms and trade-names. The Candidate List is available in three arrangements; viz., by CAS Registry Numbers, names, and molecular formulae, and in various output formats such as printed volumes, microfiche, and computer tape.⁵ A description of the Candidate List and its use was published by EPA as proposed regulations in two Federal Register statements.^{6,7}

In these proposed regulations,^{6,7} EPA asked that manufacturers and reporters do one of two things: (1) identify "their" products on the Candidate List by listing the CAS Registry Numbers and a "print code" (which is explained in the Federal Register statement⁷) on a "Form A"⁶; or (2) notify EPA of any compounds produced (or imported) during the stated period that do not appear on the Candidate List, by listing the CAS Registry Numbers and/or names or structures on a "Form B"⁶. At the end of a three-month reporting period (the exact dates of which have as yet to be established by regulation), EPA will cull from the Candidate List all compounds which were not "claimed" by any organization and add other compounds reported by manufacturers as not having appeared on the Candidate List. The upshot of this process will be a new Inventory that will replace the Candidate List.

Integration of the TOSCA Inventory Candidate List into CHEMLINE seemed to be a step that would prove useful to the chemical industry, as well as to the Government. The compounds on the Candidate List are identified in CHEMLINE with the searchable locator code (LO) EPATSCALIST; these records also carry the "R-Code"--one of the three print codes on the Candidate List⁷--in a searchable and printable RC field.

Certain "ill-defined" products (e.g., chlorosulfurized sperm oil; herring oil, sulfonated) were segregated by EPA in the so-called UVCB ("chemical substances of unknown and variable composition, complex reaction products, and biological materials") section of the Candidate List. CAS gave the materials in this section Registry Numbers and certain additional descriptive terms such as "sperm oil" or "sulfonic acids." CHEMLINE will carry these descriptive terms in a searchable field when NLM receives this information from CAS.

How can these new capabilities be used in reporting under TOSCA? A manufacturer can identify his products in CHEMLINE using normal searching techniques through nomenclature, name fragments, synonyms, trade-names, ring information, molecular formula fragments, etc. Once identified, using "PRINT DETAILED, he can see whether the CHEMLINE record carries the EPATSCALIST locator code and, if so, he can use the CAS Registry Number and the listed R-Code for his submission to EPA.⁸ If he does not see this locator code on the record, he would conclude that this product is not on

the Candidate List; he can then use the CAS Registry Number and a name from the CHEMLINE record to notify EPA of this omission.⁸ CHEMLINE contains some 210,000 compounds more than the Candidate List. Therefore, the probability of finding compounds that had been left off the Candidate List in the remainder of CHEMLINE is fairly high. For EPA, it will be important to receive reports from manufacturers carrying accurate CAS Registry Numbers and/or good nomenclature so that these compounds can be easily identified and integrated into the revised Inventory.

It is planned that CHEMLINE will continue to carry the TOSCA Inventory. This will be done by removing the EPATSCALIST locator code from compounds that were not claimed by manufacturers and by adding this locator code to the CHEMLINE records of compounds that have been reported by manufacturers to EPA during this initial Inventory building period. After the completion of this period, compounds reported to EPA under the "new compound" provisions of TOSCA (Section 5) will be added to the Inventory. It is expected that information on these new compounds will flow from EPA to NLM for inclusion in CHEMLINE so that this file will continue to provide an on-line retrieval service on the TOSCA Inventory for the chemical community.

Note: Federal Register, Vol. 42, No. 148, page 39182-39193, Tuesday August 2, 1977 is being called to readers attention since it was just published.

1. TOSCA is the acronym commonly used for the Toxic Substances Control Act of 1976. Any resemblance to Puccini's tragic opera by the same name is purely coincidental.
2. A summary of these changes in CHEMLINE was provided in The NLM Technical Bulletin, No. 99, July 1977.
3. Copies of the Toxic Substances Control Act (Public Law 94-469, 94th Congress, October 11, 1976) can be obtained from: Senate Documents, Room S-325, Capitol Building, Washington, D.C. 20510.
4. Washington Post, p. B5, May 1977.
5. Copies of the Toxic Substances Control Act Candidate List of Chemical Substances can be obtained in accordance with instructions provided by EPA in the Federal Register, 42, No. 82, 21639-21640, April 28, 1977.
6. Federal Register, 42, No. 46, 13130-13139, March 9, 1977.
7. Ibid, 42, No. 70, 19298-19309, April 12, 1977.
8. The exact method to be used for this notification will be described in the final EPA regulation governing TOSCA Inventory reporting.

RTECS: A NEW NLM ON-LINE DATA BASE
Sharon L. Valley, Ph.D.
Specialized Information Services, NLM

Starting September 1, 1977, NLM is adding a new on-line data retrieval file, called the Registry of Toxic Effects of Chemical Substances (RTECS), to its family of on-line services. It will be available at the standard NLM on-line user charge rates. RTECS, formerly the Toxic Substance List, is an annual compilation prepared by the National Institute for Occupational Safety and Health (NIOSH) as mandated by the Occupational Safety and Health Act of 1970 (PL 91-596). The printed version, which is for sale by the Superintendent of Documents, U. S. Government Printing Office, offers a detailed description of the purpose and content of RTECS. The 1976 edition (GPO order number 017-033-00166-9, price \$13.50/copy) is the most recent issue available; the 1977 edition is scheduled for issuance for later this year.

RTECS contains toxicity data for approximately 21,000 substances known by approximately 60,000 synonyms. The source of the toxicity data is currently presented in the RTECS CODEN System with notation of volume, page and year. The RTECS CODENS System is part of the hard copy publication. This special system will be included in a forthcoming section of the NLM On-Line Services Reference Manual (along with more descriptions of RTECS). The RTECS part of the manual will be mailed to all centers within the next few weeks. This supplement to the Manual will assist the user in accessing and interpreting the data in the RTECS system.

RTECS also contains some listings of toxicological effects, presented in an abbreviated format. In addition, it contains threshold limit values, recommended standards in air, aquatic toxicity, and the like. RTECS is also searchable using free text. The RTECS Unit Record Description contains 18 elements.

NLM obtained the machine-readable version from NIOSH for conversion to an on-line data retrieval source. Although the Library is making the RTECS file available on-line, NIOSH maintains responsibility for the file contents. To this end, then, questions on RTECS file content should be directed to: The Editor, Registry of Toxic Effects of Chemical Substances, National Institute for Occupational Safety and Health, 4676 Columbia Parkway, Cincinnati, OH 45226. Help on special questions may be obtained by telephoning NIOSH at 513/684-8317.

The 1976 edition of RTECS is the file available on-line at NLM starting in September and will be the version on-line until at least through October, 1977. The 1977 edition (sixth revision) will be mounted for on-line use as soon as possible after it is received from NIOSH.

SCORE: A PROGRESS REPORT
Patti Corbett, Southeastern Regional Medical Library Program
Emory University, Atlanta, Georgia

The December, 1976 issue of the Library Network/MEDLARS Technical Bulletin contained an article describing the Standing Committee for On-Line Retrieval Education (SCORE). This article discussed the Committee's goals and objectives, its composition and its proposed activities, as they were delineated at the Committee's initial meeting on November 4, 1976. SCORE met again on June 10, 1977 in Seattle, Washington in conjunction with the annual meeting of the Medical Library Association. There has been one change in Committee personnel: Patti Corbett, Staff Librarian, Southeastern Regional Medical Library program has been designated to replace Marcia Ford who resigned from her duties as SCORE member due to her current leave of absence from the Countway Library.

One of the activities chosen by the SCORE Committee at its initial meeting was the generation of a user profile to assess the educational interests and needs of searchers in the field. An NLM Data Base Users Educational Needs Profile has been designed and is being distributed on a trial basis to ten (10) MEDLINE Centers in each Region. Following the compilation of data from these questionnaires, a representative sample of NLM data base searchers will be identified for future mailings of the profile.

Members of SCORE are preparing recommendations regarding future On-Line Services Updates. These recommendations will address the following issues:

- a. Criteria for the selection of update instructors.
- b. Specific types of information to be included in technical updates.
- c. Relationship of the update instructor to the Regional Medical Library.
- d. Facilitation of lines of communication between update instructors and the National Library of Medicine.
- e. Methodology for training of update instructors.

It is hoped that these recommendations will facilitate the development of a successful, standardized updating program.

Work is continuing on the development of a prototype continuing education course on neoplasms for analysts. A proposed course outline was discussed at the SCORE meeting in Seattle and a draft package of the CE Course on Neoplasms is to be completed by January 1, 1978. It is hoped that a test version of the course will be presented at the 1978 MLA Annual Meeting in Chicago.

Laura Eisenberg, On-Line Training Coordinator, NLM, described a CTS satellite experiment to SCORE members at their meeting in Seattle. This experiment, with the support of the Lister Hill Center, will be an interactive update session between NLM and Palo Alto, California. Other locations may participate on a receive-only basis. The CTS satellite experiment is tentatively scheduled for November 2, 1977 from 12:15 - 3:30 p.m. E.S.T.

Future issues of the NLM Technical Bulletin will contain further reports of SCORE activities. Questions and comments regarding SCORE should be addressed to Ms. Eisenberg.

ON-LINE USERS MEETING
June 14, 1977
Seattle, Washington

An estimated 300-400 users attended the NLM On-Line Users meeting on Tuesday, June 14 in Seattle. Several general announcements were made prior to opening up the meeting for questions. These included:

- Non-Prime time between 11:30 - 1:00 EDT at NLM & SUNY during July and August 1977 to encourage use during this time period
- On-Line Services have been integrated to include one-code access to all files and one Technical Bulletin to be called The NLM Technical Bulletin
- Possible limitations on data base size and processing time

1. Q. Can update sessions or specialized on-line meetings be announced in advance?

A. The On-Line Users meeting is not an approved MLA meeting but NLM makes announcements of special meetings of interest to its system users as soon as information is available.

2. Q. Can hours of service be expanded at the end of the day for West Coast users? Can one more hour be added on an experimental basis?

A. Usage in the past did not warrant extending the hours, thus, hours were reduced. NLM and SUNY will offer the system until 9:00 p.m. during July and August on a trial basis to see if use warrants continuing the expanded hours.

3. Q. When will stored addresses be provided?

A. NLM anticipates a stored address capability by January 1978.

4. Q. When will the Hospital Literature data base be up?

A. No final decision has been made but it is expected for 1978.

5. Q. Being dropped during a search has been a problem and when a user tries to log back into the system after being dropped they are told that their USERID is in use.

A. MEDLARS Management Section can delete the code upon request or the user can wait 15 minutes after which the system automatically drops the code. The user is not charged for these 15 minutes unless the user logs back into the system before the 15 minutes expires--then the user is charged for the entire period.

6. Q. What causes gibberish?
- A. A terminal has a modem which causes the electrical signals produced by typing to be changed into signals so that they can be carried over ordinary voice telephone lines to the computer where they are switched back into electronic signals. Noise, rattles, etc. (other than the voice signals being transmitted) getting into the phone lines may produce characters which cannot be understood by the computer and may print out at the terminal. Switching to a different phone instrument may help. Sometimes, entering "STOP on MEDLINE and re-dialing and re-accessing the system will help to get a clear phone line. Electrical storms and bad weather conditions cause intermittent problems with noise.
7. Q. When will 1200 Baud service be available?
- A. Experimental 1200 Baud service (120 cps) is available at NLM. The Phones file contains the 120 cps lines currently available for direct, TYMNET, and TELENET 120 cps numbers. Only certain modems are compatible: VADIC 3405, BELL 202C or 202S or 212A.
8. Q. Are lists of recommended terminals available?
- A. NLM does not provide any lists of recommended terminals.
9. Q. Can anything be done if an OFFSEARCH is lost when user is dropped by the system, after the search is almost completed?
- A. Unfortunately, unless the system replies to the user with OFFSEARCH COMPLETED, the input is lost and cannot be retrieved.
10. Q. Obtaining Trees from NTIS is difficult.
- A. NLM is trying to improve service.
11. Q. When will the revised On-Line Services Reference Manual be ready?
- A. NLM is currently working on a completely revised manual which is expected to be available in the fall of 1977.
12. Q. Will new print options be considered such as AU, TI, SO, AB, RP for automatic SDI's?
- A. NLM is currently evaluating use of Reprint Source (RP) as well as various other elements and print options. MMS welcomes written suggestions and requests.
13. Q. What are the procedures for participating in the Automatic SDI program and what are the printing limitations?
- A. A center must have at least 5 searches stored at NLM with the search name beginning with an "S" and a number for SDILINE processing or a "T" and a number for TOXLINE processing. Then the center should send MMS the form indicating desire for Automatic SDI processing. Information on the SDI program and the necessary form is contained in the

June 1976 Technical Bulletin. The print options presently offered are as follows:

SDILINE:

S001 searchname through S200 searchname = AU, TI, SO
S201 searchname through S400 searchname = AU, TI, SO, LA, MH, CI, RP
S401 searchname through S600 searchname = AU, TI, SO, TT, LA, MH, AB,
RP

TOXLINE:

T001 searchname through T200 searchname = SI, AU, TI, SO
T201 searchname through T400 searchname = SI, AU, TI, SO, AB
T401 searchname through T600 searchname = Entire unit record

No special characters such as periods, commas, quotation marks, etc. can be used in stored search names. No Boolean operators (AND, OR, NOT) should be used. Up to 500 citations will be printed for each stored search executed using automatic SDI procedures.

14. Q. Are suggestions for The NLM Technical Bulletin welcome?
- A. Yes, definitely
15. Q. Can Language (LA) be included in "PRINT AR (AU,TI,SO,AB) for MEDLINE?
- A. "PRINT AR is a 'shorthand' way of asking the system to print the author, title, source, and abstract of citations only. Language or any other element can be included by typing the command and including the element or elements also desired: example: "PRINT AR, INCLUDE LA
16. Q. How much of the MEDLINE data base includes abstracts? From which journals are abstracts not taken for inclusion in MEDLINE?
- A. 42-45% of the MEDLINE data base includes abstracts. Pergamon Press and Academic Press do not authorize NLM to include abstracts from their journals in MEDLINE.
17. Q. Do CANCERLIT abstract sizes cause a problem?
- A. No, since the number of citations in the file is relatively small, large abstracts do not currently cause a problem.
18. Q. Is a CANCERPROJ (SSIE) vocabulary update list available?
- A. Yes, a list of changes is in the April 1977 Technical Bulletin. A new list of cumulated SSIE vocabulary terms is available from Donna J. Wicker, Data Base Coordinator, National Cancer Institute, ICRDB Program, 9000 Rockville Pike, Bethesda, Maryland 20014.
19. Q. Will the connect charges be increased in the near future?
- A. No increase in connect hour charges are anticipated at this time. NLM, however, is reviewing off-line print charges in relationship to costs of mailing, processing, etc.

20. Q. Can the subsets of CANCERLIT be searched such as the CANCER THERAPY ABSTRACTS?
- A. There are no longer subsets such as Cancer Therapy or Carcinogenesis in CANCERLIT because we now screen primary journals. Do not attempt to separate files by stringsearching the Secondary Source (SI) field.
21. Q. Most of the monographs included in MEDLINE are by foreign publishers--Why?
- A. Most Congress proceedings are published by foreign publishers. Since most monographs selected for inclusion in MEDLINE are congresses, symposia, society meetings and conferences, these monographs included are usually published in foreign countries.
22. Q. What is the selection criteria for inclusion of monographs?
- A. The Cataloging Section at NLM identifies congresses, symposia, society meetings, and conferences for review by two or more physicians on the NLM staff. The latter make the final selection, applying criteria approved by NLM's literature selection consultants. The criteria include scope, currency, breadth of interest, language, and availability. No abstract collections are indexed and presentations containing original data are given priority over didactic and state-of-the-art reports.
23. Q. Could call numbers be listed in the list of monographs printed in Index Medicus and the Technical Bulletin but not in MEDLINE?
- A. NLM call numbers in MEDLINE are needed for interlibrary loan activity.
24. Q. Could the call number field in MEDLINE have NLM designation added to the call number?
- A. NLM does not plan to add "NLM" to the call number at this time. Users should be educated to recognize these as NLM call numbers.
25. Q. Could the series note for monographs be added to MEDLINE?
- A. This matter will be reviewed at NLM.
26. Q. Will there be one- or two-day CATLINE and Name Authority File classes?
- A. Yes, in the near future, possibly as an MLA CE course.
27. Q. Can some considerations be given to a subheading "GENERAL"?
- A. Suggestions for subheadings and vocabulary should be sent in writing to Dr. Clifford Bachrach, Head, MeSH Section, NLM, who will review suggestions.
28. Q. What are the possibilities of adding "LEGAL MEDICINE" as a MeSH heading?
- A. LEGAL MEDICINE is currently a see reference to FORENSIC MEDICINE. Also see number 27 above.

29. Q. Will there be a yearly Permuted MeSH?
- A. Yes.
30. Q. What is the status of POPLINE?
- A. A data base on population has been proposed and a final decision is expected in the near future.
31. Q. What was the result of the Literature Search suggestions?
- A. The first month only 2 suggestions were received. As of June 22, twenty-one suggestions for literature searches were received from personnel within NLM and thirty-one suggestions have been received from on-line users. Ten literature searches are now being worked on at NLM and NLM hopes to produce 50 by the end of the calendar year.
32. Q. Could a neoplasm hedge be developed?
- A. Category C4 contains all neoplasms. It is unlikely that a stored neoplasm hedge will be developed in addition to Category C4.
33. Q. What is the status of MEDLEARN, TOXLEARN, CHEMLEARN?
- A. Track A of MEDLEARN is up and available now for all on-line users at the same rates as the other data bases. TOXLEARN and CHEMLEARN are being worked on now.
34. Q. When will Track B of MEDLEARN be available?
- A. After TOXLEARN is developed and put up for use.
35. Q. Will MeSH be expanded to include terms from Hospital Literature Index?
- A. Some terms will be incorporated but not all. The American Hospital Association is working to adapt HLI indexing to conform to an expanded MeSH.
36. Q. Will cross references be included from the Hospital Literature Index to MeSH terms?
- A. Possibly. The final format of the Hospital Literature Index has not been decided.

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

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

ADVANCES IN BEHAVIORAL PHARMACOLOGY
1, 1977--
Academic Press
New York, New York

ADVANCES IN CARDIOVASCULAR PHYSICS
1, 1977--
Karger
Basel, Switzerland

AMERICAN JOURNAL OF DANCE THERAPY
1, 1977--
American Dance Therapy Association
Cont in part Proceedings of the
Annual Conference and Monographs
of the Association.
Columbia, Maryland

ANNUAL REVIEW OF NEUROSCIENCE
1, 1978--
Annual Reviews
Palo Alto, California

AUXILIAIRE
50N2, 1977--
Corporation Professionnelle
des Infirmieres et Infirmiers
Auxiliaires du Quebec
Cont of Revue des Infirmieres et
Infirmiers Auxiliaires du Quebec
Montreal, Canada

BIOLOGICAL MEMOIRS
1, 1976--
Impex India
New Delhi, India

BIOMEDICAL COMPUTING SERIES
1, 1977--
Research Studies Press
Forest Grove, Oregon

BIOSYNTHETIC PRODUCTS FOR CANCER
CHEMOTHERAPY
1, 1977--
Plenum
New York, New York

BREAST CANCER, ADVANCES IN
RESEARCH AND THERAPY
1, 1977--
Plenum
New York, New York

COGNITIVE SCIENCE
1, 1977--
Ablex Pub Co
Norwood

COMPARATIVE DIAGNOSIS OF VIRAL
DISEASES
1, 1977--
Academic Press
New York, New York

CRIMINAL JUSTICE ABSTRACTS
9, 1977--
National Council on Crime and
Delinquency
Cont of Crime and Delinquency
Hackensack, New Jersey

CURRENT CONCEPTS IN DENTAL HYGIENE
1, 1977--
C V Mosby Co
St Louis, Missouri

DRUG FATE AND METABOLISM:
METHODS AND TECHNIQUES
1, 1977--
Marcel Dekker
New York, New York

- ELECTRO-OPTICS SERIES
1, 1977--
Marcel Dekker
New York, New York
- FOOD NUTRITION HEALTH NEWSLETTER
1, 1977--
Food and Nutrition Press
Westport, Connecticut
- INDIAN PSYCHOLOGY
1, 1977--
Andhra University. Department
of Psychology and Parapsychology
Waltair, India
- INTERNATIONAL CONGRESS ON CELL
BIOLOGY
1, 1976--
Rockefeller University Press
New York, New York
- INTERNATIONAL REVIEW OF NATURAL
FAMILY PLANNING
1, 1977--
Human Life Center. St. John's
Univ.
Collegeville, Minnesota
- JOURNAL OF HOLISTIC HEALTH
1, 1976--
The Journal
San Diego, California
- JOURNAL OF LAW AND HUMAN BEHAVIOR
1, 1977--
Plenum
New York, New York
- MEDICAL ANTHROPOLOGY
1977--
Redgrave Publishing Company
Pleasantville, New York
- MICROSURGERY
1, 1977--
Europa Press
Supersedes Micro-Chirurgie
Ghent, Belgium
- MINERAL AND ELECTROLYTE METABOLISM
1, 1977--
Karger
Basel, Switzerland
- NATO CONFERENCE SERIES 3:
HUMAN FACTORS
1, 1976--
Plenum Press
New York, New York
- OFFENDER REHABILITATION
1, 1976--
Haworth Press
New York, New York
- OPTICS LETTERS
1, 1977--
American Institute of Physics
New York, New York
- PERSPECTIVES IN LAW AND PSYCHOLOGY
1, 1977--
Plenum
New York, New York
- PRACTICAL SPECTROSCOPY SERIES
1, 1976--
Marcel Dekker
New York, New York
- PROCEEDINGS OF THE CLEVELAND
SYMPOSIUM ON MACROMOLECULES
1, 1977--
Elsevier
Amsterdam, Netherlands
- RECENT ADVANCES IN ENDOCRINOLOGY
AND METABOLISM
1, 1977--
Churchill Livingstone
Edinburgh, Scotland
- RECENT ADVANCES IN INTENSIVE
THERAPY
1, 1977--
Churchill Livingstone
Edinburgh, Scotland
- RED BOOK OF OPHTHALMOLOGY
1, 1977--
Professional Press
Cont Red Book of Eye, Ear, Nose
and Throat Specialists.
Chicago, Illinois

SELF-IN-PROCESS SERIES

1, 1977--

Human Sciences Press
New York, New York

STANDARD MEDICAL ALMANAC

1, 1977--

Marquis
Chicago, Illinois

STUDIES IN HISTORY OF BIOLOGY

1, 1977--

Johns Hopkins University Press
Baltimore, Maryland

STUDIES IN HISTORY OF MEDICINE

1, 1977--

Institute of History of
Medicine and Medical Research
New Delhi, India

SURGICAL TECHNIQUES ILLUSTRATED

1, 1976--

Little Brown and Co
Boston, Massachusetts

LIST OF MONOGRAPHS INDEXED

SEPTEMBER 1977

I

International Congress on the Menopause, 1st, Le Grande Motte, France, 1976. Consensus on menopause research : a summary of international opinion : the proceedings of the first International Congress on the Menopause, held at La Grande Motte, France in June, 1976 / under the auspices of the American Geriatric Society and the Medical Faculty of the University of Montpellier ; edited by P. A. van Keep, R. B. Greenblatt, & M. Albeaux-Fernet. — Lancaster, Eng. : MTP Press, c1976. x, 183 p. : ill.

1. Estrogens - therapeutic use - congresses 2. Menopause - congresses I. Albeaux-Fernet, Michel, ed. II. Greenblatt, Robert Benjamin, 1906- ed. III. Keep, Pieter A. van, ed. IV. American Geriatrics Society. V. Université de Montpellier. Faculté de médecine. VI. Title

LC: 77-675606

04NLM: W3 IN667 1976c
0XNLM: [WP 580 I61 1976c]

IM

Cit. No. 7704797

International Symposium on Contractile Systems in Non-Muscle Tissues, Bressanone, Italy, 1976. Contractile systems in non-muscle tissues : proceedings of the International Symposium on Contractile Systems in Non-Muscle Tissues, Bressanone, Italy, 19-22 September 1976 / sponsored by the Consiglio nazionale della ricerca ; editors, S. V. Perry, A. Margreth, R. S. Adelstein. — Amsterdam ; New York : North-Holland, 1976. xi, 360 p. : ill. Held in association with the 5th meeting of the European Muscle Club.

1. Cell Movement - congresses I. Adelstein, R. S., ed. II. Margreth, A., ed. III. Perry, Samuel Victor, 1918- ed. IV. Consiglio nazionale delle ricerche. V. European Muscle Club. VI. Title

ISBN 0-7204-0616-1
04NLM: QH 647 I61c 1976
IM Cit. No. 7613350 (rev. CIP.)

International Symposium on HLA System - New Aspects, Bergamo, 1976. HLA system : new aspects : proceedings of the International Symposium on HLA System, New Aspects, Bergamo, Italy, 25,26 September 1976 / organized by AVIS of Bergamo, for the 40th anniversary of its foundation, Immunohematology Research Center ; editor, G. B. Ferrara. — Amsterdam ; New York : North-Holland Pub. Co. ; New York : distributed in the U. S. by Elsevier/North-Holland, 1977. vii, 170 p. : ill.

1. Histocompatibility Antigens - congresses I. Ferrara, G. B., ed. II. Associazione volontari italiani del sangue, Bergamo. III. Centro ricerche immunematologiche. IV. Title

ISBN 0-7204-0617-X LC: 76-58403

04NLM: QW 570 I672 1976

IM Cit. No. 7704842

Price: 23.50

International Symposium on Hormonal Receptors in Digestive Tract Physiology, 1st, Luzarches, France, 1976. Hormonal receptors in digestive tract physiology : proceedings of the first International Symposium on Hormonal Receptors in Digestive Tract Physiology, held in Abbaye de Royaumont (France), 22-24 September 1976 / sponsored by Délégation général à la recherche scientifique et technique et Institut national de la santé et de la recherche médicale ; editors, S. Bonfils, P. Fromageot, G. Rosselin. — Amsterdam ; New York : North-Holland Pub. Co. ; New York : sole distributor for the U. S., Elsevier/North-Holland, 1977. xxvii, 514 p. : ill. — (INSERM symposium ; no. 3)

1. Digestion - congresses 2. Receptors, Hormone - congresses I. Bonfils, Serge, ed. II. Fromageot, P., ed. III. Rosselin, G., ed. IV. Délégation générale à la recherche scientifique et technique. V. Institut national de la santé et de la recherche médicale. VI. Title VII. Series

ISBN 0-7204-0618-8 LC: 76-55014

04NLM: W3 I35 no.3 1976

0XNLM: [WK 170 I607 1976h]

IM Cit. No. 7704836

J

Japanese-Australian-American Cancer Symposium. Control mechanisms in cancer / edited by Wayne E. Criss, Tetsuo Ono, John R. Sabine. — New York : Raven Press, c1976. xx, 461 p. : ill. — (Progress in cancer research and therapy ; v. 1) Articles resulting from the symposium held at the University of Hawaii, Honolulu, in December 1975.

1. Cell Transformation, Neoplastic - congresses 2. Enzymes - physiology - congresses 3. Hormones - physiology - congresses 4. Neoplasms - pathophysiology - congresses 5. Nucleotides, Cyclic - congresses I. Criss, Wayne E., ed. II. Ono, Tetsuo, ed. III. Sabine, John R., ed. IV. Title

LC: 75-30234

04NLM: W1 PR667M v.1 1976

0XNLM: [QZ 206 J35c 1975]

IM

Cit. No. 7704799

N

Neoplasm immunity : mechanisms : proceedings of a Chicago symposium / sponsored by University of Illinois at the Medical Center, September 11 and 12, 1975, Chicago, Illinois ; Ray G. Crispin, editor. — Chicago : ITR, c1976. vii, 236 p. : ill.

1. Immunologic Technics - congresses 2. Neoplasms - immunology - congresses I. Crispin, Ray G., ed. II. University of Illinois at the Medical Center.

ISBN 0-915314-03-7 LC: 76-8600

04NLM: QZ 200 N437 1975

IM

Cit. No. 7704883

R

Respiratory centres and afferent systems = Centres respiratoires et systèmes afférents : colloque, Amiens, 4-6 mars 1976 / édité sous la responsabilité, Bernard Duron. — Paris : Editions INSERM, 1976. xix, 353 p. : ill. Contributions in English or French, with summaries in the other language.

1. Respiratory Center - physiology - congresses I. Duron, Bernard, ed. II. Institut national de la santé et de la recherche médicale. III. Title: Centres respiratoires et systèmes afférents

ISBN 2-85598-146-8

04NLM: WL 310 R434 1976

IM

Cit. No. 7705160

S

Symposium on the Role of Metabolic Activation in Producing Mutagenic and Carcinogenic Environmental Chemicals, Research Triangle Park, N. C., 1976. In vitro metabolic activation in mutagenesis testing : proceedings of the Symposium on the Role of Metabolic Activation in Producing Mutagenic and Carcinogenic Environmental Chemicals, Research Triangle Park, North Carolina, February 9-11, 1976 / editors, Frederick J. de Serres ... [et al.]. — Amsterdam ; New York : North-Holland Pub. Co. ; New York : distributed in the U. S. by Elsevier/North-Holland, 1976. vii, 363 p. : ill. Organized by a committee of the National Institute of Environmental Health Sciences and sponsored by Burroughs Wellcome Company and the Division of Drug Metabolism of the American Society for Pharmacology and Experimental Therapeutics.

1. Abnormalities, Drug-Induced - congresses 2. Carcinogenesis - chemically induced - congresses 3. Carcinogens, Environmental - analysis 4. Mutagens - pharmacodynamics I. De Serres, Frederick J., ed. II. American Society for Pharmacology and Experimental Therapeutics. Division of Drug Metabolism. III. Burroughs Wellcome Company. IV. National Institute of Environmental Health Sciences. V. Title

ISBN 0-7204-0612-9 LC: 76-55014

04NLM: QH 411 S989i 1976

IM

Cit. No. 7704849

Price: 30.75

T

Tissue responses to addictive drugs / edited by Donald H. Ford and Doris H. Clouet. — New York : Spectrum

Publications : distributed by Halsted Press, 1976.
Proceedings of a workshop session for the International
Society for Psychoneuroendocrinology, Downstate
Medical Center, State University of New York, June,
1975.

1. Drug Dependence - congresses 2. Narcotics -
pharmacodynamics - congresses 3. Receptors, Drug
- congresses I. Clouet, Doris H., ed. II. Ford,
Donald Herbert, 1926- ed. III. International
Society of Psychoneuroendocrinology. IV. State
University of New York Downstate Medical Center,
Brooklyn. V. Title: Workshop session on tissue
responses to addictive drugs
ISBN 0-470-15192-7 LC: 76-21325
04NLM: QV 80 T616 1975
IM Cit. No. 7607047 (rev. CIP.)

Spheroplasts, protoplasts,
and L-forms of bacteria =
Sphéroplastés, proto-
plastés, et forms L des
bactéries ; Colloque, Mont-
pellier, 21-25 septembre
1976 / sponsored by INSERM
- Société française de
microbiologie ; edited by
Jacques Roux. -- Paris :
Editions INSERM, 1977. 378

p. : ill. -- Includes
bibliographies. Text in
English, table of contents
in English and French,
summaries in French.

1. Bacteria - ultra-
structure - congresses
2. Cell Wall - congresses
3. L Forms - congresses
4. Models, Biological -
congresses. 5. Proto-
plasts - congresses 6.
Spheroplasts - congress-
es. I. Roux, Jacques, ed.
II. Institut national de
la santé et de la re-
cherche médicale III.
Société française d'é-
lectroradiologie médicale
IV. Title. V. Title:
Sphéroplastés, proto-
plastés, et forms L des
bactéries

ISBN 2-85598-155-7
04NLM: QW 51 S753 1976
IM

CONT C 301 20
" C 518 ML

ISSN 0146-3055



THE NLM TECHNICAL BULLETIN

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SEPTEMBER 1977

NO. 101

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1978 MESH CHANGES	

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

TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference to the section/page of the NLM On-line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with 19,988 citations on August 8, 1977. The sizes, Index Medicus date ranges and entry dates are given below:

MEDLINE (Jan 75 - Sept 77)	751,013
(Entry dates 741205 to 770729)	
SDILINE (Sept 77)	19,988
(Entry dates 770718 to 770729)	

ADDITIONS AND CHANGES TO NLM PUBLICATIONS

The following are additions or changes to the National Library of Medicine News, NLM Publications, Vol. XXXII, No. 4, Supplement 2 issued in April 1977.

<u>NLM News NLM Publications Page Number</u>	<u>Addition or Change</u>
6	ADD: BIBLIOGRAPHY OF THE HISTORY OF MEDICINE, NO. 11, 1975: \$3.25 (\$4.10 foreign). S/N 017-052-00182-5.
6	ADD: CATALOG OF NLM 16TH CENTURY BOOKS For information write to: History of Medicine Division, National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20014.
7	INTERNATIONAL BIBLIOGRAPHY OF THE HISTORY OF LEGAL MEDICINE: (Stock number should read: S/N 017-052-00148-5.)

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Technical Notes Editor: Carolyn B. Tilley

Direct inquiries to:

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

- 7 ADD: NATIONAL LIBRARY OF MEDICINE AVLINE CATALOG^{1/}
(1975-76) \$5.00 (\$6.25 foreign).
S/N 017-052-00183-3.
(Announced in May 77 NLM Technical Bulletin)
- 7 NATIONAL MEDICAL AUDIOVISUAL CENTER CATALOG (1977)^{1/}:
ADD: \$4.25 (\$5.35 foreign).
S/N 017-052-00181-7.
(Announced in May 77 NLM Technical Bulletin)
- 10 ADD AN EXPERIMENTAL DISTRIBUTED DATABASE SYSTEM
PB 264-882
\$4.00 (\$3.00 microfiche)
- 11 DELETE: CUMULATED INDEX MEDICUS: Vol. 14 (1973)
- 12 ANNUAL BIBLIOGRAPHY OF ORTHOPAEDIC SURGERY:
Delete the following: "Ad Hoc Committee on
Orthopaedic Information Services, Medical
Services Division, National Research Council."

^{1/}The NLM AVLINE Catalog lists items cataloged from November 1975 through December 1976 for the AVLINE data base. Updates, covering items cataloged in 1977, appear quarterly in the NLM Current Catalog. The National Medical Audiovisual Center Catalog is a subset of the NLM AVLINE Catalog listing only 16mm motion pictures and video-cassettes available on short-term loan from NMAC.

1978 TOOLS

The following 1978 publications are expected to be available at NTIS on October 15:

<u>Accession Number</u>	<u>Title</u>	<u>Prices</u>
PB-270-894/AS (supercedes PB-255-932)	MEDICAL SUBJECT HEADINGS - ANNOTATED ALPHABETICAL LIST 1978	\$19.00 Domestic \$38.00 Foreign* \$ 3.00 Microfiche
PB-270-945/AS (supercedes PB-255-933)	MEDICAL SUBJECT HEADINGS - TREE STRUCTURES 1978	\$13.25 Domestic \$26.50 Foreign* \$ 3.00 Microfiche
PB-271-246 (supercedes PB-259-939)	MEDICAL SUBJECT HEADINGS - TREE ANNOTATIONS 1978	\$ 6.50 Domestic \$13.00 Foreign* \$ 3.00 Microfiche
PB-271-306	MEDLARS INDEXING MANUAL, PART II (supplements MEDLARS Indexing Manual, Part I (PB-254-270, \$6.00)	\$14.00 Domestic \$28.00 Foreign* \$ 3.00 Microfiche

PB-271-252	SCOPE AND COVERAGE MANUAL OF THE NATIONAL LIBRARY OF MEDICINE	\$ 5.25 Domestic \$10.50 Foreign* \$ 3.00 Microfiche
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*The foreign prices quoted are effective only if the materials are ordered from NTIS, Springfield, Virginia. Orders from the United Kingdom, France, Belgium, Switzerland, and Japan must now be sent to the managing dealers listed in the National Library of Medicine News, NLM Publications, Vol. XXXII, No. 4, Supplement 2 issued in April 1977 or listed on page 2 of the Library Network/MEDLARS Technical Bulletin, No. 93, January 1977, in the note titled "NTIS Foreign Distribution Policy."

HOURS, NON-PRIME

Non-prime hours have been extended to include 11:30 a.m. to 1:00 p.m. (ET) Monday through Friday at NLM and SUNY through the month of November on an experimental basis.

ON-LINE HOURS, NLM and SUNY

The on-line hours of service at NLM and SUNY have been extended on an experimental basis until 9:00 p.m. through November 1977.

MeSH HEADING, CARCINOGENESIS

Effective immediately, CARCINOGENESIS will no longer be used in indexing. The term is being withdrawn and citations already indexed under it will be remapped. In the interests of consistency, NLM will resume the usual indexing of the carcinogenesis or etiology or mechanism of formation of cancer under NEOPLASMS in general or under the specific neoplasm terms in MeSH. Both the 1978 Annotated MeSH and the Indexing Manual reflect this change.

CHEMLINE AT SUNY

CHEMLINE is expected to become available on the SUNY computer on October 1, 1977.

TELENET ACCESS NUMBERS

Number Change:	<u>From:</u>	<u>To:</u>
Louisville, Kentucky	502/587-1844	502/459-7010

TELENET NETWORK ACCESS

Users are reminded that they may use TELENET to access either NLM or SUNY as well as TYMNET. Telephone access numbers for various cities can be accessed

in the PHONES file on the NLM system in the same way the NEWS is accessed. For an instructional booklet, How to Use TELENET - Information for Terminal Users, please write or call MEDLARS Management Section.

TYMNET ACCESS NUMBERS

New Numbers:

Anchorage, Alaska	907/276-4401 C
Santa Rosa, California	707/526-2180 C
West Palm Beach, Florida	305/622-2871 C FX
Fort Wayne, Indiana	219/424-5162 C FX

Number Change:

	<u>From:</u>	<u>To:</u>
Albany, New York	518/463-2203 C FX	518/463-3111 C FX
Providence, Rhode Island	401/831-2634 C FX	401/351-2920 C FX

Deleted Number:

Corning, New York	607/962-2406
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SEARCHING MEDLINE FOR INTERLIBRARY LOAN INFORMATION--MONOGRAPHS

Users often ask to borrow whole symposia, congresses, society papers, etc. now included in MEDLINE. These monographs are non-circulating at most libraries. Users should identify the part or parts of the monograph in which they are interested and the loaning library can generally photocopy the request part(s). A note is sent from NLM with returned interlibrary loan when a user requests a volume which cannot be loaned in whole. Example:

This title has been indexed in Index Medicus and is on MEDLINE. Table of contents for this title can be obtained from MEDLINE by inputting the call number exactly (including spacing) as it is given in the original citation.

Example:	(MEDLINE)	USER:
		WT 104 N977 1976

Inputting the call number, as shown above will get you the same number of postings as there were articles in the indexed title, and you can then print the table of contents.

A user receiving the above message with a returned interlibrary loan may search MEDLINE using the call number as instructed, either with or without the call number qualifier (CA) to see the individual parts of the volume: Example:

```
SS 1 /C?
USER:
WE 344 C559 1975
```

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PROG:
SS (1) PSTG (37)
```

SS 2 /C?

USER:
"PRT

PROG:

1
AU - XXXXXX
AU - XXXX
TI - XXXXXXXXXXXXXXXX XXXX. PP. XX-XXX.
SO - IN: WAGENHAUSER FJ, ED. CHRONIC FORMS OF POLYARTHRITIS. BERN,
HUBER, 1976. WE 344 C559 1975. :

2
AU - XXXXXXXX
TI - XXXXXXXXXXXXX XXXXXXXXXXX XXXX XXXXXX. PP. XXX-XX.
SO - IN: WAGENHAUSER FJ, ED. CHRONIC.....
.
.
.

USE OF BREAK KEY OR INTERRUPT PRINTING IN ELHILL

NLM does not recommend use of the break key or use of an interrupt key for the purpose of discontinuing printing in the ELHILL data bases. It is permissible to interrupt printing of the NEWS or PHONES files (which are accessed via a LOGON entry) if the user has seen the material desired. However, the use of the break key in MEDLEARN (also accessed via LOGON) is discouraged. Many times while in ELHILL the break is recognized and the printing is discontinued, the response to the user being a USER: cue (with the implied question being asked, CONTINUE PRINTING? YES OR NO?). If the user has hit the break key and has received this USER: cue he should answer by typing NO and then he will be prompted with the next search statement. Just as frequently, the break is recognized by the systems as a complete disconnect and the computer will drop the user entirely, often causing the ID to become "hung" in the system for 15 minutes. The user is not charged for these 15 minutes unless the user logs back into the system before the 15 minutes expires--then the user is charged for the entire period.

ADDITION TO 1978 NLM ON-LINE SERVICES TRAINING SCHEDULE

An Advanced On-Line Services Training Class has been added to the 1978 schedule. The course will be held March 13 - 17, 1978 at the University of California in Los Angeles. It is, of course, open to applicants from all Regions.

1978 MeSH CHANGES

Four attachments are included with this issue of the Bulletin. They are:

- New Descriptors in 1978 MeSH
- Deleted Medical Subject Headings - 1978
- New Subheadings - 1978
- Tree Number Changes - 1978

These lists are being distributed as aids in updating stored searches, especially those processed at NLM as Automatic SDI's. We expect to make all stored searches executable on-line for a short period of time after the December 77 MEDLINE update for testing any changes necessitated by 1978 MESH. All changes to automatic SDI's processed against SDILINE must be completed by December 9, 1977 for processing against the January 1978 SDILINE. Changes to searches automatically processed against TOXLINE must be completed by January 1, 1978. Any search requiring changes must be purged from the file and reentered no sooner than the following day.

The list of new descriptors contains only those terms which are completely new to the system. It does not include the 103 terms (majors and minors) which are the result of a one-for-one change (e.g., singular/plural, inverted/not inverted, hyphenated/not hyphenated, one word/two words, synonyms); these "new" terms are among the "replaced by" terms in the list of deleted terms. Also, in the list of deleted terms (majors and minors only), those terms which have been retained as entry terms are annotated as such (ET). These terms need not be deleted from stored searches since mapping to the "replaced by" terms will occur automatically. However, since a list of entry terms deleted for 1978 is not available, any "no postings" message during the testing phase should be checked as a possible deleted entry term. The list of tree number changes contains all headings for which there has been a change. The supplement to the list of tree number changes has the 49 terms where there was a main heading change and also a tree number change.

TOXLINE UPDATE - AUGUST 30, 1977

The TOXLINE file was updated August 30, 1977, with 9,258 records as follows:

<u>SUBFILE</u>	<u>COVERAGE</u>	<u>RECORDS ADDED</u>
CBAC	Vol. 26, Iss. 1-3	4,811
HEEP	Sept 1977	1,095
TOXBIB	Sept 1977	1,262
EMIC	Aug 1977	2,090
		<u>9,258</u>

The update tag is 0877 (ST). This brings the total number of documents in TOXLINE to 465,392.

SEARCH HINTS - CENTRAL CONCEPT INDICATOR

If a searcher inputs the statement

*Rifampin/AD

the system assumes that s/he is looking for:

Rifampin/*AD

This is also true if the subheading has been applied (i.e. "SUBS APPLY AD) and then

*Rifampin is entered.

This search retrieves 54 citations in MEDLINE.

The above search does not retrieve articles indexed

*Rifampin/AD (articles which would appear under the heading Rifampin in Index Medicus as general articles about Rifampin and that discuss Administration & Dosage)

nor

Rifampin/AD/*PD (articles which would appear under a subdivision of Rifampin other than Administration & Dosage in Index Medicus but which also discuss administration and/or dosage)

In order to retrieve all articles that have as a central concept Rifampin and which discuss Administration and Dosage, the searcher would have to search on

*Rifampin and Rifampin/AD.

This search retrieves 123 articles in MEDLINE.

INCREASE IN OFFLINE PRINT CHARGES AT NLM AND SUNY
Melvin S. Day, Deputy Director, NLM

Effective January 1, 1978 the charge for offline prints will increase from ten cents (\$0.10) per page to twelve cents (\$0.12) per page. This increase is the first time that page charges for offline prints have increased since charges were imposed in 1973. During this period of time, there have been extensive increases in such basic costs as paper, postage, and manpower.

The Library wishes to take this opportunity to urge you to review carefully the need for large offline prints and to limit printing of citations in full only when the need for extensive output is necessary. The Library believes that this could result in a decrease in your overall cost for prints if more careful review were made. Such review would also contribute significantly toward keeping within reasonable limits the large printing workloads at NLM. During the past two years there has been an enormous increase in the number of offline prints being requested.

The Library will continue to review its offline print charges but does not envisage any further changes for the calendar year 1978.

MEDLINE FILE PLANS FOR 1978

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

In November or early December, the 1978 MEDLINE file will replace the 1977 file for on-line service. NLM has determined that there is a restriction on the total file from which it can provide service as described in my article in the July 1977 issue of the Technical Bulletin. After a review of all the alternatives NLM has decided on specific actions to limit the size of the on-line file to avoid a recurrence of this problem next year. Thus, for at least the coming year, we will restrict the size of the MEDLINE file to fit the space available through the following actions:

- (1) Delete the four elements from the file: reprint source, place of publication, record source, and priority. These elements will be retained in SDILINE.
- (2) Continue to drop abstracts of over 200 words except for long articles (over 10 pages) with informative abstracts. Abstracts previously deleted from the August-December 1977 MEDLINE file will be added to the 1978 MEDLINE file.
- (3) Drop all articles, including reviews, published in 1975 or earlier. This would make the inclusion criterion compatible with TOXLINE and insure that the on-line file contains only current material.
- (4) The material in the present file with publication dates of 1975 or earlier will become BACK75. This file will contain the abstracts for the 1975 material but will also be missing the four elements enumerated above. *Back 75 will contain 75+ material*

The net result of these actions will be a smaller on-line file of about 380,000 citations growing to 630,000 citations by the end of next year. However, the on-line file will be able to contain all of the most recent publications without any danger of file overflow. Elements such as reprint source will be available in SDILINE and will be available in printouts of SDI searches. This has been the principal place where this information has been requested. We have no information whether IBM can modify this file limit nor any implementation date.

ECONOMICS: A HEDGE*

Rosalie B. Biemans, R.N., Index Section, NLM

With the creation of the new Special List HEALTH CARE and the addition to MEDLARS of many journals and monographs in the field of health care and its delivery, many new related terms were added to MeSH for 1978. It is natural that the economic consideration be a significant feature of this growing American endeavor. Although terms most directly pertinent are to be found in MeSH in Category N (Health Care), specifically in N3 (HEALTH CARE-ECONOMICS, etc.), there are many economic-related headings in other categories and in other trees of Category N.

The purpose of this paper is to present an array of money or economic headings in MeSH. As with all hedges, the indexer and searcher are encouraged to pick and choose the specific area of their immediate need and to bypass those areas not applicable.

Note that these terms are from the 1978 TREE STRUCTURES and many will not be available until January 1978.

1. Nearly all economic and monetary aspects of health care such as costs, expenditures, financing, grants, insurance, taxes, etc., can be found under the heading ECONOMICS at N3.219.
2. These terms are monetary concepts not found under ECONOMICS at N3.219:

FEE SCHEDULES
COLLECTIVE BARGAINING

SOCIOECONOMIC FACTORS (contd)
MEDICAL INDIGENCY
POVERTY

SOCIOECONOMICS FACTORS
EMPLOYMENT
UNEMPLOYMENT

INCOME
PENSIONS
SALARIES AND FRINGE BENEFITS

3. The following peripheral headings can be considered as having an economic component in varying degrees:

OCCUPATIONS
CAREER MOBILITY

DISABILITY EVALUATION
WORK CAPACITY EVALUATION

SOCIAL CLASS
SOCIAL MOBILITY
SOCIAL CONDITIONS
TRANSIENTS AND MIGRANTS

WILLS

FRAUD
THEFT

OWNERSHIP
PUBLIC HOUSING

*Editor's Note: This hedge is a manual one and is not stored for computer retrieval.

EUROPEAN ECONOMIC COMMUNITY
UNITED STATES OFFICE OF ECONOMIC OPPORTUNITY
SOCIAL JUSTICE (only if applicable as economic opportunity)
WOMEN'S RIGHTS (only if applicable as economic opportunity)

4. For economic aspects specific to health services consider the following headings in addition to those mentioned before. The emphasis here is on the cost, financing and expenditures connected with these terms.

HEALTH AND WELFARE PLANNING (N2.349 to be exploded)

GROUP PRACTICE
GROUP PRACTICE, DENTAL
PARTNERSHIP PRACTICE
PARTNERSHIP PRACTICE, DENTAL

OFFICE MANAGEMENT
PRACTICE MANAGEMENT, DENTAL
PRACTICE MANAGEMENT, MEDICAL

STATE DENTISTRY
STATE MEDICINE

5. The following terms are possible sources of money and financing:

ACADEMIES AND INSTITUTES
FOUNDATIONS
CHARITIES
CONSUMER ORGANIZATIONS
GOVERNMENT AGENCIES

LABOR UNIONS
SOCIAL WELFARE
CHILD WELFARE
INFANT WELFARE
MATERNAL WELFARE

6. For economic aspects specific to health facilities, consider these terms:

BED OCCUPANCY
HEALTH FACILITIES, PROPRIETARY
HOSPITALS, PROPRIETARY
HEALTH FACILITY, MERGER
HEALTH SERVICES, MISUSE
HOSPITAL SHARED SERVICES

HOSPITAL CLOSURE
MATERIALS MANAGEMENT, HOSPITAL
INVENTORIES, HOSPITAL
PURCHASING, HOSPITAL
REGIONAL HEALTH PLANNING
(N3.349.650 to be exploded)

As of 1978 a very useful subheading, /economics (EC) is available for use with diseases in Categories C and F3, with appropriate technic headings in Category E, and many appropriate terms in Categories N2, N3 and N4.

AVLINE UPDATE

Virginia White, Technical Services Division, NLM

Two new types of Category A items have been added to the AVLINE data base: NO REVIEW and PENDING. Records for Category A items currently input into AVLINE carry one of the designations RECOMMENDED, NO REVIEW, or PENDING in the Review Data (RD) field. Records for Category B items continue to carry the designation NONE in the Review Data (RD) field. Since mid-1976, the category HIGHLY RECOMMENDED has not been used, all recommended items being designated simply RECOMMENDED. Items reviewed before mid-1976 which were rated HIGHLY RECOMMENDED still carry that designation in the AVLINE file.

All AVLINE records are searchable by MeSH subject headings. Retrieval from a subject search may include all types of records unless retrieval is limited by use of the Review Data (RD) field.

Searches can be limited to Category A items restricting retrieval to only those citations with the terms "RECOMMENDED", "HIGHLY RECOMMENDED", "NO REVIEW", or "PENDING" in the Review Data (RD) field.

EXAMPLE:

SS 1 /C?

USER:

(RD) RECOMMENDED or HIGHLY RECOMMENDED or NO REVIEW or PENDING

SS 2 /C?

USER:

CORONARY DISEASES and 1

Searches can be limited to reviewed, recommended Category A items or to Category B items by use of the strategies outlined in the AVLINE Update on page 9 of the July 1977 issue of the NLM Technical Bulletin.

Alternately, once a record has been retrieved, its status can be ascertained by simply printing the Review Data (RD) field.

As of September 12, AVLINE contains 2802 RECOMMENDED items, 339 HIGHLY RECOMMENDED items, 413 items PENDING review, and 581 Category B items.

TECHNICAL NOTES 232 AND 233
TheIma Charen, Index Section, NLM

We have reproduced here for the use of searchers TECHNICAL NOTE 232: Selection of Articles in Selectively Indexed Genetics Journals and TECHNICAL NOTE 233: CEREBRAL ISCHEMIA, TRANSIENT and cerebral ischemia. They are the latest two TECHNICAL NOTES to be distributed at the orientation session given annually at the start of the new indexing year.

Technical Note 232 concerns the scope of genetics with special reference to the selection of articles for indexing from journals marked "selective" in the List of Journals Indexed in Index Medicus. Of the 43 titles listed there under the rubric GENETICS, 13 are selectively indexed. TN 232 shows the criteria for selecting or rejecting articles in these journals marked "selective". Naturally every article is taken in titles not so marked, whether the article is in scope or out of scope by the criteria reproduced here.

The criteria were approved by Dr. Clifford A. Bachrach, Head, Medical Subject Headings Section. They follow closely the criteria set for the Library in the recently published Scope and Coverage Manual of the National Library of Medicine by Paula Meise, Technical Services Division. In this manual, human, medical and microbial genetics are core material, while general, behavioral and population genetics are related (the last class of material is peripheral).

Technical Note 233 advises indexers and searchers of the differentiation between "cerebral ischemia" and "transient cerebral ischemia" and the correct indexing of both. The data base has shown a variety of terms and coordinations which has done a disservice to searchers and researchers. The data base, however, will have been made uniform by the time you read this reminder.

The last Technical Note was 231 and all technical notes, including it, are available through NTIS (Technical Notes--MEDLARS Indexing Instructions, 1975 PB-241-734 \$5.50). Since the two reproduced here are the only additional ones, it will not be necessary for searchers to seek elsewhere. Please direct any questions you have about them to MEDLARS Management Section.

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

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

- | | |
|---|---|
| ABORTION TRENDS
1, 1975--
Lakewood, California | BLINDNESS, VISUAL IMPAIRMENT,
DEAF-BLINDNESS
1, 1976--
Nevil Interagency Referral
Service
Philadelphia, Pennsylvania |
| AGING TOMORROW
1, 1976--
New York, New York | CONFERENCE REPORTS. MEDICINE
1, 1977--
Applied Science Publishers
London, England ? |
| +AJR. AMERICAN JOURNAL OF
ROENTGENOLOGY
128, 1977--
Charles C. Thomas
Continues American Journal of
Roentgenology
Springfield, Illinois | CONTEMPORARY THERAPY
1, 1974--
American Society of Contemporary
Medicine and Surgery
Harvard, Massachusetts |
| AMERICAN JOURNAL OF MEDICAL GENETICS
1, 1977/78--
Alan R Liss
New York, New York | CURRENT PROBLEMS IN OBSTETRICS
AND GYNECOLOGY
1977--
Year Book Medical Publishers
Chicago, Illinois |
| ARCHIVES OF ANDROLOGY
1, 1978--
Elsevier-North-Holland
Biomedical Press
Amsterdam, Holland | HELP AGE INTERNATIONAL
1, 1977--
Help Age International
London, England ? |
| BIOLOGY
1, 1976--
Marcel Dekker
New York, New York | HOSPITAL PURCHASING MANAGEMENT
1, 1976--
IMS America. Medical Business
Services Division
Ambler, Pennsylvania |
| *BIOMETRICAL JOURNAL
19, 1977--
Akademie-Verlag
Continues Biometrische Zeitschrift
Berlin, Germany | HUMAN REPRODUCTION MEDICINE
1977--
Elsevier-North-Holland
Biomedical Press
Amsterdam, Holland |

JOURNAL OF HUMAN SOCIAL BIOLOGY
1, 1977--
Academic Press
New York, New York

JOURNAL OF MENTAL IMAGERY
1, 1977--
Brandon House
New York, New York

MEDICAL SELF-CARE: ACCESS TO
MEDICAL TOOLS
1, 1977--
Inverness, California

MODERN MEDICINE OF IRELAND
1, 1976--
Modern Medicine of Great Britain
London, England

MONOGRAPHS IN FETAL PHYSIOLOGY
1, 1976--
Elsevier/North-Holland Inc
New York, New York

*NEW ZEALAND NURSING FORUM
5, 1977--
Nurses Society of New Zealand
Continues Nursing Forum
Auckland, New Zealand

PARAMEDICS INTERNATIONAL
1, 1976--
La Crescenta, California

PERSISTENT PAIN
1977--
Academic Press
New York, New York

PROSTHETICS AND ORTHOTICS
INTERNATIONAL
1, 1977--
International Society for
Prosthetics and Orthotics
Hellerup, Denmark

RAT NEWS LETTER
N1, 1977--
Medical Research Council,
Laboratory Animals Centre
Carshalton, England

SEXUAL LAW REPORTER
1, 1976--
Los Angeles, California

SOCIAL SERVICE ABSTRACTS
1977?--
Department of Health and
Social Security Library
Formerly Current Literature on
Personal Social Service
London, England

LIST OF MONOGRAPHS INDEXED

OCTOBER 1977

A

Advances in pain research and therapy. -- v 1- 1976-
-- New York, Raven Press v ill Editors v 1- J
J Bonica, and Denise G Albe-Fessard
1 Pain - periodicals 2 Pain - therapy - periodicals
I Albe-Fessard, D, ed II Bonica, John Joseph,
1917- ed
04NLM W1 AD706
01HMS WL 700 A245 Cit No 7703610

American College of Psychiatrists. Depression clinical,
biological and psychological perspectives / edited by
Gene Usdin -- New York Brunner/Mazel, c1977 xiv,
346 p ill Proceedings of the annual meeting of the
American College of Psychiatrists held in Coronado,
Calif in 1976, plus additional papers
1 Depression - congresses I Usdin, Gene Leonard,
1922- ed II Title
ISBN 0-87630-137-5 LC 76-49429
04NLM WM 170 A51d 1976
IM Cit No 7613610 (rev CIP) Price 15 00

B

Biochemical basis of thyroid stimulation action workshop
conference, September 1975, Celle / edited by Alexander
von zur Muhlen and Horst Schleusener, sponsored by
Henning Berlin GmbH, Berlin, Germany -- Stuttgart
Thieme, 1976 viii, 229 p ill -- (A Henning
Symposium publication)
1 Thyroid Gland - physiology - congresses 2
Thyroid Hormones - physiology - congresses 3
Thyrotropin - physiology - congresses I
Schleusener, Horst, ed II Zur Muhlen, Alexander
von, ed III Henning Berlin GmbH IV Title
Workshop conference on the biochemical basis of thyroid
stimulation and thyroid hormone action V Series
ISBN 3-13-546401-6
04NLM WK 202 B615 1975
IM Cit No 7705694

D

Development of vaccines for fertility regulation papers
presented at the WHO sponsored session of the third
International Symposium on Immunology of
Reproduction, held in Varna, Bulgaria, 21-25 September
1975 / contributors, M J K Harper [et al] --
Copenhagen Scriptor, 1976 142 p ill On cover World
Health Organization symposium, Varna, 1975
1 Contraception - methods - congresses 2 Fertility
- drug effects - congresses 3 Vaccines - congresses
I Harper, M J K II International Symposium on
Immunology of Reproduction, 3d, Varna, 1975 III
World Health Organization IV Title Symposium
on development of vaccines for fertility regulation
V Title World Health Organization symposium on the
development of vaccines for fertility regulation
ISBN 87-87473-09-7
04NLM WP 630 D489 1975
IM Cit No 7706009

E

The Endocrine function of the human ovary / edited by
V H T James, M Serio, G Giusti -- London, New
York Academic Press, 1976 ix, 519 p ill --
(Proceedings of the Sero symposia, v 7) A course
of lectures held by the Postgraduate School of
Endocrinology in Florence in 1975, sponsored by I F
Serono
1 Gonadotropins - physiology - congresses 2 Ovary
- physiology - congresses I Giusti, G, ed II
James, Vivian H T, ed III Serio, M, ed IV
Istituto farmacologico Serono V Universita degli
studi di Firenze Scuola di endocrinologia VI Series
ISBN 0-12-380150-8 LC 76-16975
04NLM W3 PR945R v 7 1975
0XNLM [WP 520 E56 1975]
IM Cit No 7705045

I

Institute of Food Technologists. Evaluation of proteins for

humans a volume based on a symposium held at the
35th annual meeting of the Institute of Food
Technologists, Chicago, Illinois, June 8-12, 1975 /
sponsored by the Nutrition Division, IFT, edited by
C E Bodwell Westport, Conn AVI Pub Co,
c1977 xvi, 327 p ill -- (AVI books)
1 Amino Acids congresses 2 Dietary Proteins -
adverse effects congresses 3 Dietary Proteins -
metabolism - congresses 4 Nutrition - congresses
I Bodwell, C E, ed II Institute of Food
Technologists Nutrition Division III Title IV
Title Symposium on evaluation of proteins for humans
ISBN 0-87055-215-5 LC 76-27468
04NLM QU 55 I604e 1975
IM Cit No 7705052
Price 35 00

Intestinal permeation proceedings of the fourth Workshop
Conference Hoechst, Schloss Reisenburg, 19-22 October,
1975 / editors, M Kramer, F Lauterbach -- Amsterdam
Excerpta medica, New York distributed by Elsevier
North-Holland, 1977 xii, 449 p ill -- (Excerpta medica
International congress series, no 391) ISBN
0-444-15225-3 (Elsevier North-Holland) Workshop
Conferences Hoechst, v 4
1 Intestinal Absorption - congresses 2 Intestines -
metabolism - congresses I Kramer, M, ed II
Lauterbach, F, ed III Title Proceedings of the
fourth Workshop Conference Hoechst IV Series
V Series Workshop Conferences Hoechst, v 4
ISBN 0-444-15225-3 LC 76-46475
04NLM W3 EX89 no 391 1975
0XNLM,11CLA [WI 402 I6094 1975]
IM Cit No 7611326 (rev CIP)

N

**National Research Council-National Academy of Sciences
Symposium on the Future of Animals, Cells, Models, and
Systems in Research, Development, Education, and
Testing, Washington, D. C., 1975.** The future of animals,
cells, models, and systems in research, development,
education, and testing proceedings of a symposium /
Institute of Laboratory Animal Resources, Division of
Biological Sciences, Assembly of Life Sciences --
Washington National Academy of Sciences, 1977 ix,
341 p ill
1 Animals, Laboratory - congresses 2 Biology -
congresses 3 Medicine - congresses 4 Research
- congresses I National Academy of Sciences
II National Research Council Institute of Laboratory
Animal Resources III National Research Council
IV Title
ISBN 0-309-02603-2 LC 76-58454
04NLM W 20 5 N276f 1975
IM Cit No 7705528

P

Perinatal thyroid physiology and disease / editors, Delbert
A Fisher, Gerard N Burrow -- New York Raven
Press, c1975 xiii, 277 p ill -- (Kroc Foundation series
, no 3) Based on a conference held in 1974 at the Kroc
Foundation Ranch in Santa Ynez, Calif
1 Fetal Diseases - congresses 2 Infant, Newborn,
Diseases - congresses 3 Thyroid Diseases - in
pregnancy - congresses 4 Thyroid Gland -
physiology - congresses I Burrow, Gerard N, 1933-
ed II Fisher, Delbert A, 1928- ed III
Title Conference on perinatal thyroid physiology and
disease IV Series Kroc Foundation series, v 3
ISBN 0-89004-044-3 LC 75-14333
04NLM W3 KR45 v 3 1974
0XNLM [WK 202 P445 1974]
IM Cit No 7706080
Price 20 00

S

**Symposium on Disturbances in Body Fluid Osmolality,
Anaheim, Calif., 1976.** Disturbances in body fluid
osmolality / edited by Thomas E Andreoli, Jared J
Grantham, Floyd C Rector, Jr -- Bethesda, Md
American Physiological Society, 1977 viii, 349 p ill
1 Osmolar Concentration - congresses 2
Water-Electrolyte Imbalance - congresses I
Andreoli, Thomas E, 1935- ed II Grantham,
Jared J, 1936- ed III Rector, Floyd C, 1929-
ed IV American Physiological Society
(Founded 1887)
ISBN 0683-0027-4 LC 77-1450
04NLM WD 220 S987d 1976
IM Cit No 7701057 (rev CIP)



THE NLM TECHNICAL BULLETIN

FORMED BY THE UNION OF
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OCTOBER 77

NO. 102

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TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference to the section/page of the NLM On-line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with 19,854 citations on September 12, 1977. The sizes, Index Medicus date ranges and entry dates are given below:

MEDLINE (Jan 75 - Oct 77)	770,850
(Entry dates 741205 to 770902)	
SDILINE (Oct 77)	19,854
(Entry dates 770812 to 770902)	

TOXLINE UPDATE - SEPTEMBER 26, 1977

The TOXLINE file was updated September 26, 1977, with 6,275 records as follows:

<u>SUBFILE</u>	<u>COVERAGE</u>	<u>RECORDS ADDED</u>
CBAC	Vol. 26, Iss. 4-5	3,463
HEEP	Oct 1977	1,110
TOXBIB	Oct 1977	1,230
IPA	Jun-Jul 1977	922
		<u>6,725</u>

The update tag is 0977(ST). This brings the total number of documents in TOXLINE to 472,117.

YEAR-END PROCESSING

During November and December, NLM will undergo its annual year-end processing. All citation files will be maintained to reflect the 1978 vocabulary and all 1975 citations will be retired from MEDLINE to BACK75. Other changes have already been discussed in Dr. Leiter's article "MEDLINE File Plans for 1978" in the September 1977 issue of the NLM Technical Bulletin.

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Centers which have stored searches must review all searches and make appropriate changes to reflect the 1978 vocabulary. Changes can only be made by deleting the stored search and re-entering the corrected version no sooner than the following day. Lists of new mainheadings, new subheadings, deleted mainheadings and tree number changes were included in the September 1977 issue of the NLM Technical Bulletin as aids in this updating. Also included in that September issue is the NTIS order information for the Annotated MeSH and Tree Structures. This updating must be completed by December 16th when the Automatic SDI's will be processed against the January 77 SDILINE. Between November 21 and December 16, stored searches will be executable on-line. NLM recommends that terms, not tree numbers, be used when exploding in stored searches to reduce the impact of changed tree numbers each year. If the term appears in more than one tree, the default is to all trees.

Following is the update schedule NLM expects to follow:

<u>DATE</u>	<u>PLACE</u>	<u>CHANGES</u>
Nov 7	NLM/SUNY NLM/SUNY	-MEDLINE (Jan 75-Dec 77) with '77 terms -SDILINE (Dec 77) with '77 terms
Nov 21	NLM NLM	-all stored searches executable on-line -SDILINE (Dec 77) with '78 terms for testing stored searches
Dec 19	NLM/SUNY NLM	-MEDLINE (Jan 76-Jan 78) -SDILINE (Jan 78) -BACK75 (Jan 75 - Dec 75) all with -BACK72 (Jan 72 - Dec 74) '78 terms -BACK69 (Jan 69 - Dec 71) -BACK66 (Jan 66 - Dec 68) -stored searches no longer executable on-line

1978 SCHEDULE FOR MEDLINE AND SDILINE UPDATES AT NLM AND SUNY

The following is the projected schedule of SDILINE and MEDLINE updates at NLM and SUNY for January 1978 through January 1979. All dates fall on Monday.

<u>INDEX MEDICUS Month</u>	<u>Date SDILINE and MEDLINE Available</u>
Jan 78	Dec 19, 1977
Feb	Jan 9, 1978
Mar	Feb 6
Apr	Mar 6
May	Apr 10
Jun	May 8
Jul	Jun 5
Aug	Jul 10
Sep	Aug 7
Oct	Sep 11
Nov	Oct 9
Dec	Nov 6
Jan 79	Dec 11

USER ID NOT KNOWN TO ELHILL

The system has been changed to allow the user to reenter their ELHILL ID code if it has been rejected. Example:

/LOGIN

PLEASE ENTER USERID OR LOGON

***** (if the user enters the ID incorrectly,
he will receive the following message)

BYE BYE..

YOUR USER CODE IS NOT KNOWN TO ELHILL 3. PLEASE CONTACT
SYSTEM PERSONNEL FOR ASSISTANCE.

At this point the user should login again:

/LOGIN

and the system will re-prompt for the entering of the ELHILL ID code

PLEASE ENTER USERID OR LOGON

CANCERLINE (Manual XV)

The ICRDB Program (International Cancer Research Data Bank) of the National Cancer Institute prefers that the term CANCERLINE be used to refer to all three of its data bases offered by the National Library of Medicine (CANCERLIT, CANCERPROJ, and CLINPROT). Users may enter "FILE CANCERLIT or continue to specify as in the past, "FILE CANCER or "FILE CANCERLINE.

URETHRAL NEOPLASMS--CORRECTION OF TREE NUMBER

One of the 1978 tree numbers for URETHRAL NEOPLASMS is incorrect in the 1978 Annotated Alphabetic MeSH and MeSH Tree Structures and the "Tree Number Changes" list distributed as part of the September 1977 issue of the NLM Technical Bulletin. The incorrect tree number, C4.588.845.947.945, has been corrected to C4.588.945.947.945 in the MeSH computer file so that URETHRAL NEOPLASMS will be searched when either UROLOGIC NEOPLASMS or UROGENITAL NEOPLASMS is exploded. (The tree number in both parts of the black and white MeSH will be the correct one.)

LOGICAL OPERATORS AND KEYWORDS USED AS SEARCH TERMS (Manual III-15)

In searching MeSH headings with imbedded ANDs and ORs and for other keywords which the computer is unable to search on previously except for when they are disguised by using the variable character symbol (#), users may now use the exclamation mark (!) to disguise the terms. For example, BONE AND BONES

must be entered BONE A#D BONES and keywords such as GREATER, LESS, THAN, etc. must also be disguised. Entering an exclamation mark (!) before the AND or OR or GREATER, etc., has the same effect as disguising the terms with the variable character symbol.

For example:

SS 1 /C?
USER:

BONE !AND BONES

PROG:
SS (1) PSTG (4167)

The use of the exclamation mark is more efficient in computer terms than the use of the variable character symbol since using the variable character symbol is a form of truncation and the computer has to scan the Index File for a range of terms that could match up with the term entered. In addition, use of the variable character symbol does not guarantee that the search term will be unique, since the # stands for any character or space, not just the character you are disguising. Other symbols which may be used in addition to or in place of the exclamation mark include: ? : @. In other situations (variant spelling, etc) the variable character symbol should be used as before. (Search hint from the BLAISE Newsletter No. 3, Sept. 1977. BLAISE is the British system which operates MEDLINE.)

OFF-LINE PRINTS AND OFFSEARCHES AT NLM--NUMBERING OF CITATIONS
(Manual III-33, XVI)

Effective October 4, 1977, all off-line print and offsearch printouts will have the citations numbered. This is especially beneficial in offsearch printouts as previously it was impossible to separate citations by search statements. If an OFFSEARCH contained more than one search statement to be printed, each search statement will begin with number 1, thus making it possible to distinguish between each statement. Off-line prints will continue to include the message END OF SEARCH STATEMENT when multiple search statements are included in a off-line print command, however, renumbering will not take place with each group of citations retrieved for each search statement.

SEARCH HINTS - SUBHEADINGS (Manual III-37)

If a user enters subheadings to be applied to a term with a "SUBS APPLY command:

SS 1 /C?
USER:

"SUBS APPLY DT, TH, DI

and then enters the term:

SS 1 /C?

USER:

(term)

PROG:

SS (1) PSTG (XXXX)

and then remembers that s/he also wishes to include another subheading, entering:

SS 2 /C?

USER:

(term)/ET

PROG:

SS (2) PSTG (XX)

The system, in effect, cancels the "SUBS APPLY and will not include the latest subheading entered with those subheadings already applied, but instead only gives postings for the term and the latest subheading (term/ET).

To include another subheading to subheadings already applied to a term with a "SUBS APPLY command, s/he must then enter, for example:

SS 3 /C?

USER:

1 OR 2

PROG:

SS (3) PSTG (XXXX)

TYMNET NUMBERS (Manual II-9)

Changes:

	<u>From</u>	<u>To</u>
Indianapolis, IN	317/257-3470 C	317/257-3461 C

New Numbers:

Lubbock, TX	806/762-2402 C FX	
Atlanta, GA	404/581-0619	1200 Baud - 212 modems only
Houston, TX	713/977-7671	1200 Baud - 212 modems only
Tulsa, OK	918/663-2220 C	

Deleted Numbers:

Jacksonville, FL	904/353-7884	(This number replaced by 904/721-8100)
Tulsa, OK 10cps	918/492-1687 C](These numbers replaced by 918/663-2220)
Tulsa, OK 30cps	918/492-5306 C	

PRINTING ON-LINE, CAPS ONLY

Users with terminals which print characters in both upper and lower case, may change from upper/lower case print to upper case by using the command "CAPS at SUNY and on NLM and NLM3. (NLM and NLM3 offer either upper/lower case or upper case only printing on-line while NLM2 and NLM4 restrict on-line printing to upper case only.) This command applies to on-line printing only.

Example:

```
SS 1 /C?
USER:
LIVER DISEASES (MH)
```

```
PROG:
SS (1) PSTG (4227)
```

```
SS 2 /C?
USER:
"PRT 1
```

```
PROG:
```

```
1
AU - Valdes EF
AU - Herrero MV
AU - Calb I
AU - Bello C
TI - Skin microvascular lesions in chronic diffuse hepatic diseases.
SO - Australas J Dermatol 19(1):25-8, Apr 77
```

```
SS 2 /C?
USER:
"CAPS
```

```
USER:
"PRT 1
```

```
PROG:
```

```
1
AU - VALDES EF
AU - HERRERO MV
```

```
.
.
.
```

SERLINE
Betsy Humphreys, Technical Services Division, NLM

INTRODUCTION

SERLINE (SERIALS-on-LINE) contains approximately 35,000 records representing all serials and numbered congresses which are on order, in process, or currently received at NLM. Ceased serials in the NLM collection are being added to the file gradually. Since CATLINE contains only records for titles cataloged since 1965, SERLINE contains many serial titles not found in the on-line catalog. Location symbols for approximately 120 resource libraries in the Regional Medical Library Network currently appear on about 6500 primary, substantive journals in the file. As of early 1978, SERLINE will assume the MEDLINE citation input and publication functions of the present Journal Authority File; the separate Journal Authority File will be removed from the network.

SERLINE is designed to support interlibrary loan and cooperative acquisitions activities throughout the Regional Medical Library Network by providing readily searchable bibliographic and location information for biomedical serials. The file can also be used to produce tailored listings of locally available serials in special subject areas or languages, of important titles held by very few libraries in a region, of important titles not held in a region, etc.

ENTERING THE SERLINE FILE

Authorized subscribers may access the SERLINE file by following NLM login procedures. To switch to SERLINE, users enter "FILE SERLINE."

SERLINE UNIT RECORD

The SERLINE unit record is the computer stored information representing one serial or numbered congress. The table below lists all the data elements:

SERLINE UNIT RECORD

NAME OF ELEMENT	SEARCH QUALIFIER	SEARCHABLE	TEXT WORD SEARCHABLE	"PRT DETAILED	"PRT FULL	"PRT	"PRT LOC	"PRT AC	"PRT INDEX
Title	TI		*	X	X	X	X	X	X
Title Search Key	TK	*		X					
Title Abbreviation	TA	*		X	X				X
First/Last Issue	FL			X	X	X		X	
City of Publication	PL			X	X	X		X	X
Publisher	PU	*	*	X	X			X	
Country	CP	*		X	X			X	X

NAME OF ELEMENT	SEARCH QUALIFIER	SEARCHABLE	TEXT WORD SEARCHABLE	"PRT DETAILED	"PRT FULL	"PRT	"PRT LOC	"PRT AC	"PRT INDEX
General Notes	GN			X	X	X			X
Added Title	AT		*	X	X	X			X
Language	LA	*		X	X				X
Frequency	FR			X	X				
ISSN	IS	*		X	X	X			X
CODEN	CD	*		X	X				
Abstracting & Indexing Tags	AI	*		X	X				
Main Headings	MH	*		X	X				
CATLINE Citation Number	NO	*		X	X				
NLM Call Number	CA	*		X	X	X	X		
Region 1 Library Symbols	L1		*	X	X		X		
Region 2 Library Symbols	L2		*	X	X		X		
Region 3 Library Symbols	L3		*	X	X		X		
Region 4 Library Symbols	L4		*	X	X		X		
Region 5 Library Symbols	L5		*	X	X		X		
Region 6 Library Symbols	L6		*	X	X		X		
Region 7 Library Symbols	L7		*	X	X		X		
Region 8 Library Symbols	L8		*	X	X		X		
Region 9 Library Symbols	L9		*	X	X		X		
Region 10 Library Symbols	L10		*	X	X		X		
Region 11 Library Symbols	L11		*	X	X		X		
Region as a whole	RG	*							
Regional Location Counts	K1								
Initial Year of Publication	YR	*		X					
Final Year of Publication	CL	*		X					
Open/Closed Indicator	OC	*		X	X				
SERLINE Citation	SQ	*		X	X	X	X		
Publisher's Address	AD			X				X	
Price	PR								X
Gaps	GA			X					
Out of Print Note	OP			X					
LJI Subject Headings	JD	*		X					X
Country Tree Number	PP	*		X					
Journal Title Code	JC	*		X					X
Journal Subset	SB	*		X					X
Special List Indicator	LI	*		X					X
Selectively Indexed Indicator	IX	*		X					X
Disallow Abstract Tag	AB			X					X
Date Established	ES	*		X					X
Indexing Note	IN			X					X
Indexing Priority	PY			X					X
Indexing Status	ST	*		X					X
Pulldate	LJ	*		X					X
Date of Last Major Revision	MR	*		X					X

The following is a description of some important data elements in the unit record:

TITLE (TI)

For all true serials, this element contains the main title as it appears on the piece.

JOURNAL OF THE AMERICAN DENTAL ASSOCIATION

NOT AMERICAN DENTAL ASSOCIATION. JOURNAL

Added Titles appear in a separate element (AT).

For numbered congresses which do not have overall titles, this element contains the name of the congress.

There are no diacritical marks, apostrophes, or ampersands in SERLINE. In German words, an umlaut causes the vowel it modifies to be followed by an E. Otherwise all diacritical marks are disregarded. Elided articles (such as d', l') are separated from the words they modify by a blank instead of an apostrophe. The possessive case S is added to the end of the word it modifies. Ampersands are translated to AND in the language of the title.

The Title and Added Title elements are both searchable through the Text Word (TW) capability and also by means of the Title Search Key (TK) described below. In general, the most efficient way of searching the Title and/or Added Title is through a combination of a Title Search Key and Text Word(s).

TITLE SEARCH KEY (TK)

The Title Search Key is composed of the following four elements:

- (1) the first three letters of the first significant word;
- (2) the first letter of the second word;
- (3) the first letter of the third word; and
- (4) the first letter of the fourth word.

These elements are separated by slashes (/). If the title contains fewer than four words, the title search key is shortened accordingly but it always ends with a letter, not a slash. Examples:

Title - Annual Survey of Psychoanalysis
Title Search Key - ANN/S/O/P

Title - Antibiotics
Title Search Key - ANT

Title - Annales d Oculistique
Title Search Key - ANN/D/O

Initial articles are disregarded, but internal articles, prepositions, and conjunctions are used to construct the Title Search Key. If the complete title

is not known, the user should search by means of Text Words alone. Note that in SERLINE the Title Search Key is a separate printable element with its own qualifier. In CATLINE and AVLINE, the Title Search Key is part of the TI field and is not printable in Standard "PRINT commands.

SPECIAL CASES

If the first significant word of a title contains fewer than three letters, one blank is included in the title key after the first word. For example:

Title - In Vitro
Title Search Key - IN /V

Title - Y Hoc Viet-Nam
Title Search Key - Y /H/V/N or Y /H/V

For artificially hyphenated words (i.e., hyphenated words with component parts which might conceivably stand alone), two forms of title key have been provided. For example:

LIFE-THREATENING BEHAVIOR
LIF/T/B
LIF/B

Hyphenated words with elements which normally could not stand alone are treated as one word. For example:

ACTA SOCIA-MEDICA SCANDINAVICA
ACT/S/S

When in doubt, try both ways.

EXP (the abbreviation for EXPLODE), NOT, ALL, YES, and AND are always interpreted according to their special meanings in the general ELHILL search statement vocabulary. They must be disguised when they occur at the beginning of a search key in one of the two ways described below:

(1) The Single variable character symbol (#) can be substituted for the last letter of the first element of the Title Search Key. (For a further explanation of the Variable Character Symbol, See Part 3 of the On-Line Services Reference Manual.)

ALLERGIE UND ASTHMAFORSCHUNG
AL#/U/A

(2) The variable character symbol (#) can be used in place of the first slash of the Title Search Key.

ALLERGIE UND ASTHMAFORSCHUNG
ALL#U/A

EXPERIMENTAL BRAIN RESEARCH
EXP#B/R

In many cases searching exclusively with Title Search Key or Text Word(s) will result in the retrieval of multiple records. If a Title Search Key is ANDed with a Text Word from the title, the search will usually retrieve only one record. This is the best way to search for a specific title, if the complete title is known.

To retrieve Journal of the American Association for Preventive Dentistry:

JOU/O/T/A AND PREVENTIVE (TW)

PROG:
PSTG (1)

ABSTRACTING AND INDEXING TAGS (AI)

Codes are listed on many primary, substantive journals if they are indexed in any of the indexing and abstracting publications listed below. In addition, the code EA has been added for non-English and non-Romance language journals if most of the articles have English abstracts. Abstracting and indexing tags in the data base are:

AIM - Abridged Index Medicus
AV - Titles indexed for the upcoming index of Audiovisual Serials
BA - Biological Abstracts
CA - Chemical Abstracts
EA - English Abstract
EM - Excerpta Medica
HLI - Hospital Literature Index
IDL - Index to Dental Literature
IM - Index Medicus
INI - International Nursing Index
PA - Psychological Abstracts
POP - Population Sciences
SCI - Science Citation Index

Use the qualifier (AI) when searching with these tags because the abbreviations could be interpreted as other data elements.

A search for Japanese Index Medicus titles would be entered as follows:

IM (AI) AND JPN (LA)

MAIN HEADINGS (MH)

If the serial was cataloged* by NLM since 1965, the MeSH main headings assigned by the cataloger appear in this element. SERLINE contains no subheadings of any type. The main headings are directly searchable, but SERLINE does not have the explode capability for subject searching.

NLM CALL NUMBER (CA)

The NLM Call Number is directly searchable. In addition to actual call numbers, the following may also appear in the call number field:

*or recataloged

ON ORDER - Title has been ordered for NLM collection.

ON ORDER - CIP - Title has been ordered for NLM collection. CIP cataloging has been done for the title.

ON ORDER - UCLA - Title has been ordered for NLM collection based on information received from UCLA Biomedical Library. UCLA may or may not already have the title.

IN PROCESS - Title has been received by NLM and is being cataloged.

CLASSED SEP - For numbered congresses only. Individual meetings are classed separately at NLM.

There is no location symbol for NLM in SERLINE. The presence or absence of an NLM call number indicates whether the title is held by NLM. NLM call numbers are required on interlibrary loan requests verified in SERLINE. ISSN should also be included on interlibrary loan requests where available.

RESOURCE LIBRARY LOCATION SYMBOLS (L1 - L11)

Locator information is carried in the form of a five-character alpha-numeric code, which indicates that a library has at least the last five years of the title. The first two characters of the Location Symbol are numeric and identify the region to which a library belongs, and the last three characters are an alphabetic code which identifies a particular library within that region. The locator code 01HMS indicates that the title is held in the New England Region (Region 01) by the Francis A. Countway Library of Medicine (Harvard Medical School). All resource libraries in a particular region which hold a serial will be listed in the record for that title. Locator information for approximately 120 participating medical libraries is carried in SERLINE. For a complete listing of these codes, see the Appendices to the SERLINE section in the current On-Line Services Reference Manual.

These fields are Text Word searchable. Do not use the L1 to L11 field mnemonic when searching them. The (TW) qualifier can be used, but is not necessary because each code is a unique term and will not produce a Multi-Meaning message.

To find foreign language Index Medicus titles owned by Washington University (08WSL), search:

08WSL AND IM (AI) AND NOT ENG (LA)

REGIONAL LOCATION COUNTS (K1 - K11)

The number of resource libraries per region with codes listed for a title is directly searchable. This element is designed to assist in regional acquisitions planning by allowing the user to look for classes of serials owned by very few or very many resource libraries within a region.

To search for English IM titles held by fewer than 4 libraries in Region 6:

SS 1 /C?

USER:

(K6) 1 OR 2 OR 3

PROG:

PSTG ()

SS 2 /C?

1 AND IM (AI) AND ENG (LA)

REGION (RG)

This element is used to search all locations in a region at once to determine whether a title is held in any locations for a particular region without reference to specific resource libraries. The values are 01 to 11.

To search for all English Index Medicus titles not held in Region 3:

IM (AI) AND ENG (LA) AND NOT 03 (RG)

PUBLISHER'S ADDRESS (AD)

SERLINE contains this element for lesser known publishers if the titles have been ordered or re-ordered by NLM in the last two years. The element may also include the message 'MUST ORDER DIRECT' if NLM has been informed that the title is not available through subscription agents. Address is not directly searchable.

PRICE (PR)

Price listed is the amount NLM paid for one copy of the serial for the current year. Initially this element will not be present on the majority of titles. Price is not directly searchable.

GAPS (GA)

Issues missing from the NLM collection are listed in this element. If users have any of these issues and could provide them to NLM (or if they know that certain issues were never published), they should contact the Head, Serial Records Section. NOTE: Issues listed as missing may be requested from NLM. They may have been received at NLM after the last SERLINE update. Gaps are not directly searchable.

OUT OF PRINT NOTE (OP)

If NLM has attempted to buy back issues and been told they are no longer available, an out of print note will appear in this element. This field is not directly searchable.

Please note that the last 13 data elements in the unit record appear only on titles indexed for MEDLINE.

SERLINE "PRINT COMMANDS

There are six standard "PRINT commands in SERLINE. The elements included in each are indicated in the Unit Record Table. In Addition to "PRINT, "PRINT FULL, and "PRINT DETAILED, SERLINE has the following:

"PRINT LOC or "PRINT LC - This command allows the user to print locations from all regions without listing the 11 regional element qualifiers.

"PRINT ACQUISITIONS or "PRINT AC - This command prints acquisitions information.

"PRINT INDEX or PRINT IN - This command prints indexing authority information for serials indexed for MEDLINE.

The Standard "PRINT format provides the information needed to verify inter-library loan requests.

DRUGS OF ABUSE
William Caldwell, Index Section, NLM

Drug abuse continues to be a problem of major concern and is estimated to cost this country in excess of \$10 billion per year in terms of lost productivity, narcotics-related crime, and drug abuse prevention programs. It is certain that interest in various aspects of this problem will continue, and all search analysts should be prepared to handle two basic types of requests they might receive.

The first, and simplest, is a general request on "drug abuse." MeSH provides a variety of terms which should be considered, such as

DRUG ABUSE	GLUE SNIFFING
DRUG AND NARCOTIC CONTROL	HEROIN ADDICTION
DRUG DEPENDENCE	MORPHINE ADDICTION
DRUG TOLERANCE	STREET DRUGS
DRUG WITHDRAWAL SYMPTOMS	

and perhaps a few others, depending upon the nature of the request. The point here is that little is to be gained by exploding all of the Trees containing narcotics and other drugs with abuse potential; if the concept of "drug abuse" is present in the article to a reasonable extent, indexers will have used one or more of these terms.

The second type of request may require searching on several drug terms instead of, or in addition to, the headings listed above. For example, a request on "central nervous system depressants reported to be involved in drug abuse" requires that the searcher be able to identify the central nervous system depressants. A common urge may be to explode Category D14 - CENTRAL NERVOUS SYSTEM DEPRESSANTS (NON MESH). But in doing so, two things result: you

automatically search on many drugs which are not likely to be abused (e.g., local anesthetics), and you miss some of those which are extremely likely to be (e.g., tranquilizers in Category D15). Further, needless explosion of entire categories of drugs is abuse in itself -- system abuse.

The purpose of this article is to identify those drug substances which, by law, are considered to be drugs of abuse. In one sense, any drug which is abused is, by definition, a drug of abuse. But certain ones are notorious because they are trafficked illicitly, or because they produce tolerance, dependence, or both. (Tolerance: the user needs progressively larger doses to attain the desired effect. Dependence: an alteration in normal physiologic functions that necessitates the continued presence of a drug in order to prevent withdrawal symptoms.) These are the ones which should certainly be included in a drug abuse search, and the Federal Controlled Substances Act of 1970 explicitly names them. The inclusion of other drug names in a search formulation, even if they are potentially abusable drugs, does little to increase retrieval and can hamper relevance.

The Controlled Substances Act covers five classes of drugs. They are:

NARCOTICS
CANNABIS
HALLUCINOGENS
STIMULANTS
DEPRESSANTS

In the following, MeSH headings appear in upper case. Substances for which there is no precise MeSH term are listed for their use in text-word searching; they appear in lower case. Some common trade names and other designations, many of which are entry terms in MeSH, appear in parentheses.

A. NARCOTICS.

Prior to 1970, "narcotic" was defined as:

"coca leaves, opium, cannabis, and every other substance neither chemically nor physically distinguishable from them; any other drugs to which the Federal Narcotic Laws may not apply; and any other drug found to have an addiction-forming or addiction-sustaining liability similar to morphine or cocaine..."

- Uniform Narcotic Drug Act

This definition led to confusion and was at odds with the classical and pharmacological meanings of the term (from the Greek narkos, "pertaining to or producing stupor and narcosis; an agent that produces insensibility or stupor").

Currently, as defined in the Act of 1970, "narcotic" now means:

"opium, its derivatives, or synthetic substitutes that produce tolerance and dependence, both psychological and physical."

There is one exception to this definition. COCAINE, though not a derivative of opium, is classified as a narcotic.

The following MeSH terms are narcotics:

ALPHAPRODINE	METHADYL ACETATE
ANILERIDINE (Leritine)	METHADONE (Dolophine)
COCAINE ("snow")	METOPON
CODEINE	MORPHINE
DEXTROMORAMIDE	OPIUM
DIACETYLMORPHINE (Heroin)	OXYCODONE (Percodan)
DIHYDROMORPHINONE (Dilaudid)	OXYMORPHONE
+DIPHENOXYLATE	PANTOPON
+DIPRENORPHINE	PHENAZOCINE
ETHYLMORPHINE	+PHENOPERIDINE
ETORPHINE	PIRINITRAMIDE
FENTANYL	PROMEDOL
HYDROCODONE	THEBAINE
LEVORPHANOL	THIAMBUTENE
MEPERIDINE (Pethidine; Demerol)	

+All of these headings appear in the NARCOTICS Tree (D14.757), except for the three with plus signs; these, I am told, were omitted through error. Similarly, the two terms PROPOXYPHENE and PROPOXYPHENE NAPSYLATE which appear in the Narcotics Tree are there in error. These errors will be corrected in a future issue of MeSH.

All of the following substances, not in MeSH, are classified as narcotics by the Controlled Substances Act. They may be useful for Text-Word search.

acetorphine	dimepheptanol
acetyldihydrocodeine	dioxaphetyl
allylprodine	dipipanone
alphacetylmethadol	drotebanol
alphameprodine	ethylmethylthiambutene
alphamethadol	etonitrazene
benzethidine	etoxeridine
benzitramide	furethidine
benzylmorphine	hydromorphinol
betacetylmethadol	hydroxypethidine
betameprodine	isomethadone
betamethadol	ketobemidone
betaprodine	levomethorphan
clonitazene	levomoramide
codeine methylbromide	levophenacetylmorphan
codeine-N-oxide	levorphan
cyprenorphine	metazocine
desomorphine	methyl-desorphine
diampromide	methyldihydromorphine
diethylthiambutene	morpheridine
difenoxin	morphine methylbromide
dihydrocodeine	morphine methylsulfonate
dihydromorphine	morphine-N-oxide
dimenoxadol	myrophine

nicocodeine	phenoperidine
nicomorphine	pholcodine
noracymethadol	piminodine
norleyorphanol	proheptazine
normethadone	properidine
normorphine	propiram
norpipanone	racemethorphan
phenadoxone	racemoramide
phenampromide	racemorphan
phenomorphan	thebacon

B. CANNABIS.

Note that in MeSH, CANNABIS is the plant, assigned to Category B6; MARIHUANA and HASHISH are both entry terms to CANNABIS. There are several chemical constituents in the plant, but delta-9-tetrahydrocannabinol is thought to be the principal psychoactive substance. Thus, the only two MeSH terms likely to be useful in a search on marijuana are:

CANNABIS (Marijuana; Marihuana; Hashish)
TETRAHYDROCANNABINOL

C. HALLUCINOGENS.

This class of drugs includes a wide variety of natural and synthetic substances. Indented under HALLUCINOGENS (D15.236.372) are most of those listed in the Controlled Substances Act, but there are some which are not. Only the following are, by law, hallucinogens of abuse:

<u>MeSH</u>	<u>For Text-Word Searching</u>
BUFOTENIN	4-bromo-2,5-dimethoxyamphetamine
CANNABIS	2,5-dimethoxyamphetamine
DIMETHYLTRYPTAMINE	5-methoxy-3,4-methylenedioxy- amphetamine
DOM	3,4,5-trimethoxyamphetamine
IBOGAINE	Diethyltryptamine
LYSERGIC ACID DIETHYLAMIDE	N-ethyl-3-piperidyl benzilate
MESCALINE	N-methyl-3-piperidyl benzilate
PEYOTE	Psilocyn
P-METHOXYAMPHETAMINE	Thienyl phencyclidine (TPCP)
3,4-METHYLENEDIOXYAMPHETAMINE	
PSILOCYBINE	

D. STIMULANTS.

E. DEPRESSANTS.

The last two classes of drugs covered by the Act are the stimulants and the depressants. Almost all are in MeSH (the exceptions are listed in lower case) and are scattered throughout D Category.

D. STIMULANTS.

AMPHETAMINE (Benzedrine)	P-CHLOROAMPHETAMINE
AMPHETAMINIL	CHLORPHENTERMINE (Pre-Sate)
BENZPHETAMINE (Didrex)	clortermine

DEXTROAMPHETAMINE (Dexedrine)	METHAMPHETAMINE ("speed")
DIETHYLPROPION (Tenuate)	METHYLPHENIDATE (Ritalin)
FENFLURAMINE	PEMOLINE COMPOUNDS (Cylert)
FENPROPorex	PEHNDIMETRAZINE (Plegine; Bontril)
P-HYDROXYAMPHETAMINE	PHENMETRAZINE (Preludin)
MAZINDOL (Sanorex)	PHENTERMINE

E. DEPRESSANTS.

ALLOBARBITAL	MEPHOBARBITAL (methylphenobarbital)
AMOBARBITAL (Tuinal; Amytal)	MEPROBAMATE (Miltown; Equanil)
BARBITAL	METHAQUALONE (Quaalude)
barbituric acid + salts & deriv.	METHABARBITAL
BUTABARBITAL	METHOHEXITAL
chloral betaine	METHYPRYLON (NoIudar)
CHLORAL HYDRATE ("Micky Finn")	MUREXIDE
CHLORAZEPATE DIPOTASSIUM	NALORPHINE
CHLORDIAZEPOXIDE (Librium)	OXAZEPAM (Serax)
CLONAZEPAM	PARAMIDINE
CYCLOBARBITAL	PENTOBARBITAL (Nembutal; "yellow jackets")
DIAZEPAM (Valium)	petrichloral
ETHCHLORVYNOL (Placidyl)	PHENCYCLIDINE (PCP)
ETHIAMATE (Valmid)	PHENOBARBITAL (Luminal)
FLURAZEPAM (Delmane)	PRAZEPAM
GLUTETHIMIDE (Doriden)	SECOBARBITAL (Seconal)
HEPTABARBITAL	sulfondiethylmethane
IPRONAL	sulfonethylmethane
lysergic acid	sulformethane
lysergic acid amide	
MEBUTAMATE	
MECLOQUALONE	

Lagniappe, for the devoted:

There are currently three drugs named by the Controlled Substances Act which do not fall into one of the five classes. One of these (FENFLURAMINE) I have included in the list of stimulants, for all evidence seems to point in that direction. The other two are PROPOXYPHENE (Darvon) and its salt PROPOXYPHENE NAPSYLATE, mentioned above under NARCOTICS. These two non-narcotic analgesics were only recently added to the Act; though not officially assigned to a class, they might properly be included with the depressants.

DRUG METABOLISM*

Peri Schuyler, Index Section, NLM

Following are terms from the 1978 MeSH vocabulary devoted to the coverage of the metabolism of exogenous drugs and chemicals. I have deliberately excluded reference to processes such as ENZYME ACTIVATION, OXYGEN CONSUMPTION, etc. because, although they are indeed metabolic processes, they represent processes which may be affected by drugs, and not processes undergone by the drugs them-

*These terms are not stored as a computer-retrievable hedge.

selves. Also omitted are headings such as NUCLEIC ACID HYBRIDIZATION, PEPTIDE CHAIN INITIATION, etc. because these are in general restricted to endogenous chemicals and not administered drugs.

I have divided the terms into two broad components: pharmacokinetics and biopharmaceutics. The arrangement of the terms within these groups is purely intellectual and is not meant to reflect the MeSH hierarchical display in the tree structures. The (*) following some of the headings indicates that there are more specific indentions under a given heading in the trees. The subcategory locations of the headings are given in parentheses following each heading.

1. Pharmacokinetics

Pharmacokinetics deals with the absorption, distribution, biotransformation and excretion of drugs. All of these processes involve the diffusion and transport of the drug across cell membranes in order to permeate the cell (see Goodman, Louis S. & Gilman, Alfred. The Pharmacological Basis of Therapeutics, 5th ed. New York, Macmillan, 1975, Chapter 1 for an extensive discussion of pharmacokinetics).

In indexing, the subheading /metabolism is used to cover the pharmacokinetic concept, often coordinated with KINETICS (NIM). In addition, the subheadings /blood, /cerebrospinal fluid, /urine (especially for the excretion process), /biosynthesis and /secretion may be used when articles deal with these specific aspects of drug metabolism.

The terms below are divided into arrays on pharmacokinetic processes, distribution, biotransformation and technics which may be employed in metabolic studies.

Pharmacokinetic processes

- ABSORPTION (H)
 - INTESTINAL ABSORPTION (G10)
 - SKIN ABSORPTION (G10)
- DIFFUSION (G6, H)
 - DIALYSIS (E5, H)
 - FILTRATION (H)
 - OSMOSIS (G6, H)
 - OSMOTIC PRESSURE (H)
- PERMEABILITY (H) (*)
 - BIOLOGICAL TRANSPORT (G6)
 - BIOLOGICAL TRANSPORT, ACTIVE (G6)
 - BLOOD-BRAIN BARRIER (G11, G12)
 - BLOOD-TESTIS BARRIER (G6, G12)
 - CAPILLARY PERMEABILITY (G6, G9)
 - CELL MEMBRANE PERMEABILITY (G4, G6)

Other metabolic processes

- ADSORPTION (H)
- CATALYSIS (H)
- CRYSTALLIZATION (H)
- HYDROGEN BONDING (H)
- ION EXCHANGE (H)
- PRECIPITATION (H)
- VOLATILIZATION (H)

Distribution

- BINDING SITES (G6) (*)
 - ALLOSTERIC SITE (G6)
 - ISOSTERIC SITE (G6)
- BINDING, COMPETITIVE (G6)
- PROTEIN BINDING (G6)
- RECEPTORS, DRUG (G6, G12) (*)
- CHEMOTAXIS (G4)
- SPECIES SPECIFICITY (G4) (this may be a useful parameter in discussing the relative metabolic rates in different species, i.e., "fast acetylators, slow acetylators", etc.)
- ORGAN SPECIFICITY(G4)
- TISSUE DISTRIBUTION (G6)
- BRAIN CHEMISTRY (G6)

Transformation

- BIOTRANSFORMATION (G12) (*) (involves the chemical alteration of exogenous chemicals or drugs in biological systems)
 - ACYLATION (H)
 - ACETYLATION (H)
 - ALKYLATION (H)
 - METHYLATION (H)
 - DEALKYLATION (H)
 - AMINATION (H)
 - DEAMINATION (H)
 - CYCLIZATION (H)
 - DECARBOXYLATION (H)
 - ESTERIFICATION (H)
 - GLYCOLYSIS (G6)
 - HYDROGENATION (H)
 - HYDROLYSIS (H)
 - HYDROXYLATION (H)
 - OXIDATION-REDUCTION (G6, H)
 - OXIDATIVE PHOSPHORYLATION (G6)
 - OXIDATIVE PHOSPHORYLATION COUPLING FACTORS (D12)
 - UNCOUPLING AGENTS (D8) (*)

Technics (best used as coordinates with drug headings)

ISOTOPE LABELING (E5)

RADIOISOTOPE DILUTION TECHNIC (E1)

RADIOISOTOPES (D1) (*) (primarily CARBON RADIOISOTOPES and TRITIUM in tracer studies)

RADIOACTIVE TRACERS (D1)

MODELS, BIOLOGICAL (H) (drug metabolism studies deal with 1-, 2-, and 3-compartment pharmacokinetic models)

2. Biopharmaceutics

Biopharmaceutics deals with the relationship of the formulation and route of administration of a drug to its biological availability or therapeutic effect. Again, in indexing, the subheading /metabolism or one of the subheadings for specific aspects of metabolism is employed as the primary choice; the subheading /administration & dosage is used as the secondary parameter to cover the form and route of administration of the drug.

The terms below are divided into arrays on routes of administration, formulation and properties of the drugs themselves which may affect their disposition by the organism.

BIOPHARMACEUTICS (G12) (the four indentions found under this heading in G12 are displayed here for the sake of exemplifying the scope of the definition)

AVAILABILITY EQUIVALENCY (G12)

BIOLOGIC AVAILABILITY (G12)

PHYSIOLOGIC AVAILABILITY (G12)

THERAPEUTIC EQUIVALENCY (G12)

Routes of administration

DRUG ADMINISTRATION (NON MESH) (E5) (*) (includes administration headings, e.g., ADMINISTRATION, ORAL and injection headings, e.g., INJECTIONS, INTRAVENOUS)

DOSAGE FORMS (D26, E5) (*)

DOSE-RESPONSE RELATIONSHIP, DRUG (G12)

DRUG TOLERANCE (G12)

TACHYPHYLAXIS (G12)

Formulation

TECHNOLOGY, PHARMACEUTICAL (E5, J)

CHEMISTRY, PHARMACEUTICAL (G6, G12, H)

DRUG COMPOUNDING (E5)

DESICCATION (H)

HARDNESS (H) (e.g., of tablets)

HARDNESS TESTS (E5, H)
HUMIDITY (H)
PARTICLE SIZE (H)
PRESSURE (H) (i.e., in compression of tablets)
SOLUBILITY (H)
SURFACE PROPERTIES (H) (*)
TEMPERATURE (H) (*)
TENSILE STRENGTH (G7, H) (e.g., of tablets)
VISCOSITY (H)

HYDROGEN-ION CONCENTRATION (H)
OSMOLAR CONCENTRATION (H)

DRUG INCOMPATIBILITY (E5)
DRUG INTERACTIONS (G12) (*)
DRUG PACKAGING (E5) (x DRUG CONTAINERS AND CLOSURES)
DRUG STABILITY (E5)
DRUG STORAGE (E5)

PHARMACEUTIC AIDS (D26) (*)
SOLVENTS (D26)

Properties

KINETICS (H)
HALF-LIFE (H)
METABOLIC CLEARANCE RATE (E1, G6)
THERMODYNAMICS (H)

MOLECULAR CONFORMATION (G6, H) (*)
ISOMERISM (H)
STEREoisomers (H)

MOLECULAR WEIGHT (H)
SPECIFIC GRAVITY (H)

NORMAL VALUES (H)
STRUCTURE-ACTIVITY RELATIONSHIP (G6, G12, H)

3. Free-text search suggestions

compartment
conjugate (usually glucuronide, sulfate, or estrogen conjugates
in biotransformation studies)
disposition
distribution
clearance
excretion
pharmacokinetics

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

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

- | | |
|--|---|
| <p>ACTA MEDICA HYGOENSIA
 1, 1976--
 Medical Society of Hyogo
 College of Medicine
 Hyogo, Japan</p> | <p>BULLETIN OF ANIMAL HEALTH AND
 PRODUCTION OF AFRICA
 1975--
 Inter-African Bureau for
 Animal Resources
 Cont of Bulletin of Epizootic
 Diseases of Africa
 Nairobi, Kenya</p> |
| <p>ADVANCED EXERCISES IN DIAGNOSTIC
 RADIOLOGY
 9, 1977--
 W B Saunders Company
 Philadelphia, Pennsylvania</p> | <p>DEVELOPMENT IN MAMMALS
 1, 1977--
 North-Holland
 Amsterdam, Netherlands</p> |
| <p>*ALIMENTAZIONE NUTRIZIONE METABOLISMO
 1, 1975--
 Societa Editrice Universo
 Collana di Supplementi Monografici
 della Rivista la Clinica Dietologica
 Rome, Italy</p> | <p>DEVELOPMENTS IN CELL BIOLOGY
 1, 1977--
 Elsevier/North-Holland
 Biomedical Press
 Amsterdam, Netherlands</p> |
| <p>+*AMERICAN JOURNAL OF SPORTS MEDICINE
 4, 1976--
 Williams and Wilkins
 Cont of Journal of Sports Medicine.
 American Orthopaedic Society for
 Sports Medicine
 Baltimore, Maryland</p> | <p>DIRECTORY - HEALTH SYSTEMS AGENCIES
 AND HEALTH PLANNING DEVELOPMENT
 AGENCIES
 1977--
 US Department of Health Education
 and Welfare. Public Health Service.
 Health Resources Administration.
 Continues Directory of State,
 Territorial and Regional Health
 Authorities
 Rockville, Maryland</p> |
| <p>*APPLIED RADIOLOGY
 5, 1976--
 Barrington Publications
 Cont Applied Radiology and
 Nuclear Medicine
 Los Angeles, California</p> | <p>FEBS - SYMPOSIUM
 N42, 1977--
 Springer Verlag
 Number 42, 1977 issued as
 Proceedings in Life Sciences.
 Continues Federation of European
 Biochemical Societies. Proceedings
 of the FEBS Meeting.
 Berlin, Germany</p> |
| <p>BRITISH JOURNAL ON ALCOHOL AND
 ALCOHOLISM
 12, 1977--
 Medical Council on Alcoholism
 Cont of Journal of Alcoholism
 London, England</p> | |

- FERTILITY CONTROL LOOKOUT
1, 1977--
Medical Information Center
Karolinska Institute
Stockholm, Sweden
- GIORNALE ITALIANO DI ORTOPEDIA
E TRAUMATOLOGIA
1, 1975--
Aulo Gaggi Editore
Rome, Italy
- HARVARD MEDICAL SCHOOL HEALTH
LETTER
1, 1976--
Harvard Medical School
Boston, Massachusetts
- ICD SCIENTIFIC AND EDUCATIONAL
JOURNAL
1974--
International College
of Dentists
Cont of Scientific and
Educational Journal.
Berkeley, California
- INTERNATIONAL JOURNAL OF FAMILY
COUNSELING
5, 1977--
New York Family Counselors
Institute
Continues Journal of
Family Counseling
New York, New York
- JOURNAL OF CARDIOGRAPHY
6, 1977--
Japanese Society of
Cardiovascular Sound
Continues Cardiovascular
Sound Bulletin
Bunkyo-Ku, Japan
- JOURNAL OF FOOD SAFETY
1, 1977--
Food and Nutrition Press
Westport, Connecticut
- JOURNAL FRANCAISE DE BIOPHYSIQUE
ET MEDICINE NUCLEAIR
1, 1977 --
Gauthiers-Villars
Montreuil, France
- JOURNAL FOR MEDICAID MANAGEMENT
1977--
Medical Services Administration
Washington, DC
- JOURNAL OF PRACTICAL APPROACHES
TO DEVELOPMENTAL HANDICAPS
1, 1977--
Vocational and Rehabilitation
Research Institute
Calgary, Canada
- *JOURNAL OF RESEARCH IN INDIAN
MEDICINE YOGA HOMOEOPATHY
11, 1976--
Post Graduate Institute
of Indian Medicine
Continues Journal of Research
in Indian Medicine
Veranasi, India
- MEMBRANE PROTEINS
1, 1977--
Dekker
New York, New York
- MUSCLE AND NERVE
1, 1978--
Pinecliff Publishing Co.
Pacific Palisades, California
- RESEARCH AWARD INDEX
1976--
U.S. Department of Health,
Education and Welfare
Cont of Research Grants Index:
Division of Research Grants.
National Institutes of Health.
Public Health Services
Bethesda, Maryland
- SAUNDERS MONOGRAPHS IN CLINICAL
ORTHOPAEDICS
1, 1977--
Saunders
Philadelphia, Pennsylvania
- SOCIAL WORK RESEARCH AND ABSTRACTS
13, 1977--
National Association of
Social Workers
Continues Abstracts for
Social Workers
Albany, New York

SURGICAL TECHNIQUES ILLUSTRATED

1, 1976--

Little Brown and Company

Boston, Massachusetts

WHOS WHO IN HEALTH CARE

1, 1977--

Hanover Publications

New York, New York

+*ZEITSCHRIFT FÜR IMMUNITÄTSFORSCHUNG

IMMUNOBIOLOGY. SUPPLEMENT

2, 1975--

Gustav Fischer Verlag

Continues Zeitschrift für

Immunitätsforschung, Experimentelle
und Klinische Immunologie.

Supplementum

Stuttgart, Germany

LIST OF MONOGRAPHS INDEXED

NOVEMBER 1977

A

American Association of Blood Banks Workshop on Histocompatibility Testing, San Francisco, 1976. HLA typing a technical workshop / presented by Committee on Workshops of the American Association of Blood Banks, San Francisco, California, October 1976, [edited by R Ben Dawson, with editorial assistance by Lois J James] -- Washington: American Assn of Blood Banks, 1976 vi, 100 p ill Includes bibliographies
1 Histocompatibility Antigens - congresses 2 Histocompatibility Testing - congresses I Dawson, Roy Benjamin, 1934- ed II American Association of Blood Banks Committee on Workshops III Title
ISBN 0-914404-24-5 LC 77-71794
04NLM WH 460 A5136h 1976
IM Cit No 7706409

B

Bayer-Symposium, 6th, Grosse Ledder, 1976. Experimental models of chronic inflammatory diseases / edited by L E Glynn and H D Schlumberger -- Berlin, New York: Springer-Verlag, 1977 xiii, 460 p ill Proceedings of symposium held at Grosse Ledder, near Cologne, May 20-22, 1976
1 Arthritis - congresses 2 Disease Models, Animal - congresses 3 Immune Complex Disease - congresses 4 Lupus Erythematosus, Systemic - congresses 5 Rheumatism - congresses I Glynn, Leonard Eleazar, ed II Schlumberger, Horst Dieter, 1933- ed III Title
ISBN 0-387-08095-3 LC 76-30736
04NLM W3 BA266 1976e
0XNLM [WE 344 B357 1976e]
IM Cit No 7700045 (rev CIP)

C

Conference on Prediction of Abuse Liability of Stimulant and Depressant Drugs, Washington, D. C., 1976. Predicting dependence liability of stimulant and depressant drugs / edited by Travis Thompson and Klaus R Unna -- Baltimore: University Park Press, c1977 xiii, 328 p ill Conference sponsors Committee on Problems of Drug Dependence, NAS-NRC and other agencies
1 Analeptics - pharmacodynamics - congresses 2 Drug Dependence - congresses 3 Hypnotics and Sedatives - pharmacodynamics - congresses 4 Psychotropic Drugs - pharmacodynamics - congresses I Thompson, Travis, ed II Unna, Klaus R, ed III National Research Council Committee on Problems of Drug Dependence IV Title
ISBN 0-8391-1147-9 LC 77-7581
04NLM QV 100 C748p 1976
IM Cit No 7703084 (rev CIP) Price 19 50

E

Echocardiology with Doppler applications and real time imaging / edited by N Bom -- The Hague: Martinus Nijhoff Medical Division, 1977 viii, 360 p ill A series of lectures held at Erasmus University, Rotterdam, in June 1977, initiated by working groups of the Commission of the European Communities in association with other agencies
1 Diagnosis, Computer Assisted - congresses 2 Echocardiography - congresses 3 Heart Diseases - diagnosis - congresses I Bom, N, ed II Commission of the European Communities
ISBN 90-247-2009-5 LC 77 676306
04NLM WG 141 E18 1977
IM Cit No 7706748

I

International Symposium on the Organization and Expression of the Eukaryotic Genome, Teheran, 1976. The organization and expression of the eukaryotic genome / edited by E M Bradbury, K Javaherian -- London, New York: Academic Press, 1977 xv, 510 p ill Temporary cataloging Sponsored by the University of Teheran, the International Union of Biochemistry, and

the International Union of Pure and Applied Biophysics
1 Cell Differentiation - congresses 2 Chromatin - congresses 3 Genetics, Biochemical - congresses I Bradbury, E M, ed II Javaherian, K, ed III International Union of Biochemistry IV International Union of Pure and Applied Biophysics V University of Teheran VI Title
ISBN 0-12-123550-5 LC 77-71794
04NLM QH 450 I61o 1976
IM Cit No 7706874

M

Medical education and the contemporary world proceedings of a symposium conducted by the University of Illinois College of Medicine, September 13-14, 1976, Chicago, Illinois / George E Miller, editor -- [Bethesda, Md]: U S Dept of Health, Education, and Welfare, Public Health Service, National Institutes of Health, [1976?] ix, 238 p ill -- (DHEW publication, no (NIH) 77-1232) A publication of the John E Fogarty International Center for Advanced Study in the Health Sciences
1 Education, Medical - U S - congresses I Miller, George Emerson, 1919- ed II John E Fogarty International Center for Advanced Study in the Health Sciences III University of Illinois College of Medicine IV Title Symposium on medical education and the contemporary world V Series

04NLM W 18 M4846 1976
IM Cit No 7706956

N

Neuroregulators and psychiatric disorders / edited by Earl Usdin, David A Hamburg, Jack D Barchas -- New York: Oxford Univ Press, 1977 xxv, 627 p ill, port Proceedings of a conference on neuroregulators and hypotheses of psychiatric disorders held at the Asilomar Conference Center, Pacific Grove, Calif, Jan 13-16 1976
1 Mental Disorders - etiology - congresses 2 Nervous System Diseases - etiology - congresses 3 Neurohumors - physiology - congresses I Barchas, Jack D, 1935- ed II Hamburg, David A, 1925- ed III Usdin, Earl, ed

LC 76-42631
04NLM WM 100 N494 1976
IM Cit No 7706069

P

Problems with temperature regulation during exercise / edited by Ethan R Nadel -- New York: Academic Press, 1977 x, 141 p ill Proceedings of a symposium held in conjunction with the American College of Sports Medicine meeting in Anaheim, California, May 1976
1 Body Temperature Regulation - congresses 2 Exertion - congresses I Nadel, Ethan R, ed II American College of Sports Medicine III Title Symposium on problems with temperature regulation during exercise

ISBN 0-12-513550-5 LC 77-4301
04NLM QT 255 P962 1976
IM Cit No 7706447

R

Re-entrant arrhythmias: mechanisms and treatment / edited by Henri E Kulbertus -- Baltimore: University Park Press, [c1977] x, 372 p ill Proceedings of a symposium held at the University of Liege, Sept 27-29, 1976
1 Arrhythmia - physiopathology - congresses 2 Arrhythmia - therapy - congresses I Kulbertus, Henri E, ed II Universite de Liege III Title Symposium on re-entrant arrhythmias mechanisms and treatment

ISBN 0-8391-1120-7 LC 77-7599
04NLM WG 330 R327 1976
IM Cit No 7703317 (rev CIP)

S

Symposium on Human Bone Marrow Transplantation, San Francisco, 1976. Human bone marrow transplantation a symposium / presented by the International Society of Blood Transfusion and the American Association of

Blood Banks , [edited by Herbert A Perkins, with editorial assistance by Lois J James] -- Washington American Assn of Blood Banks, 1976 vii, 94 p ill Includes bibliographies
 I Bone Marrow Cells - transplantation - congresses I Perkins, Herbert A, ed II American Association of Blood Banks III International Society of Blood Transfusion IV Title
 ISBN 0-914404-27-X
 04NLM WH 380 S989h 1976
 IM Cit No 7706591

Symposium on Vigilance, 2d, St. Vincent, Italy, 1976.
 Vigilance theory, operational performance, and physiological correlates / edited by Robert R Mackie -- New York Published in coordination with NATO Scientific Affairs Division [by] Plenum Press, c1977 x, 862 p ill -- (NATO conference series III, Human factors, v 3) 'Proceedings of a symposium held in St Vincent, Italy, on August 3-6, 1976, entitled 'Vigilance II relationships among theory, physiological correlates, and operational performance, sponsored jointly by the Human Factors Panel of the Scientific Affairs Division of NATO and by the Physiology Programs Office of the U S Office of Naval Research' First meeting, without congress name, entered in this Library under editor, D N Buckner, with title Vigilance
 I Attention - congresses I Buckner, Donald N Vigilance II Mackie, Robert R, ed III NATO Special Program Panel on Human Factors IV U S Office of Naval Research Physiology Programs Office V Title VI Series
 ISBN 0-306-32883-6 LC 77-748
 04NLM W3 N138 v 3 1976
 0XNLM [BF 323 V5 S989 1976v]
 IM Cit No 7707426

T

Testis Workshop, 3d, Montefiore Hospital, Pittsburgh, 1976.
 The testis in normal and infertile men / edited by Philip Troen, Howard R Nankin -- New York Raven Press, c1977 xiv, 578 p ill Workshop sponsored by the National Institute of Child Health and Human Development and the Montefiore Hospital of the University of Pittsburgh School of Medicine 2d workshop called Workshop on the Testis
 I Testis - congresses I Nankin, Howard R, 1936- ed II Troen, Philip, 1925- ed III National Institute of Child Health and human Development IV Workshop on the Testis, 2d, Chapel Hill, N C, 1975 V Title
 ISBN 0-89004-129-6 LC 76-55486
 04NLM W3 TE75 1976t
 0XNLM [WJ 830 T344 1976t]
 IM Cit No 7701528 (rev CIP)



THE NLM TECHNICAL BULLETIN

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PHONES LIST	APPENDIX A

TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference to the section/page of the NLM On-line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with 19,990 citations on October 11, 1977. The sizes, Index Medicus date ranges and entry dates are given below:

MEDLINE (Jan 75 - Nov 77)	790,840
(Entry dates 741205 to 770929)	
SDILINE (Nov 77)	19,990
(Entry dates 770917 to 770929)	

TOXLINE UPDATE - OCTOBER 31, 1977

The TOXLINE file was updated October 31, 1977, with 7,809 records as follows:

<u>SUBFILE</u>	<u>COVERAGE</u>	<u>RECORDS ADDED</u>
CBAC	Vol. 26, Iss. 6-7 (Oct-Nov)	4,447
HEEP	Nov 77	1,178
TOXBIB	Nov 77	1,117
IPA	Aug 77	627
PESTAB	Aug/Sep 77	440
		<u>7,809</u>

The update tag is 1077(ST). This brings the total number of documents in TOXLINE to 479,926.

REMINDER--INCREASED PAGE CHARGES

Please remember that effective January 1, 1978, the charge for offline prints and offsearch prints will increase from ten cents (\$0.10) per page to twelve cents (\$0.12) per page. Users were notified originally of this increase in a letter dated September 27, 1977 from Melvin Day, Deputy Director, NLM.

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

TYMNET AND TELENET ACCESS NUMBERS

There have been many changes in access numbers recently (some numbers deleted, many new "nodes" added, 120 CPS Bell 212 access added, etc.). Please see the new list of phone numbers, Appendix A attached.

AVLINE STATUS REPORT
 Harold Schoolman, M.D., Deputy Director for
 Research and Education, NLM

In the AVLINE Status Report which appeared in the July NLM Technical Bulletin, NLM announced the initiation of a two-track processing stream. This system categorized all non-print media into two types of categories based on content and educational design criteria.

In an effort to provide rapid authoritative bibliographic information for current materials, the processing stream has been further refined to facilitate the release into AVLINE of all cataloged titles prior to the completion of the peer review process. The implementation of this change in processing has created five basic types of records which contain authoritative bibliographic cataloging data. Each record, however, may not contain full review data, or a critical abstract until the peer review process has been completed. To summarize, the five AVLINE record types are as follows:

RECOMMENDED - Complete AVLINE record which has been cataloged, reviewed, and recommended; full review data is provided with a critical abstract.

NOT RECOMMENDED - AVLINE record which has been reviewed but not recommended; full review data and a critical abstract are provided, but MeSH subject headings are not included.

NO REVIEW - Category A, Partial AVLINE record for a title which AAMC has chosen not to review at this time pending an anticipated content revision by the producer. Cataloging data and a producer-supplied summary/abstract are available without review data.

PENDING - Category A, Partial AVLINE record for a title which is in the review process. These records are updated upon completion of the review process. Until their transfer to either a RECOMMENDED or NOT RECOMMENDED status, they are only bibliographic records, without review data or abstract. Please note that these records contain authoritative cataloging data; full review data and abstract will be supplied after completion of the review process.

NONE - Category B, lecture type titles which do not go through the peer review process; cataloging data is available without review data or abstract.

NLM SATELLITE EXPERIMENT

Laura Eisenberg, On-Line Services Training Coordinator, NLM

On November 2, 1977, the Library Operations Branch of NLM conducted the first transcontinental On-Line Services Update Workshop. This three-hour program was broadcast via the NASA Communications Technology Satellite (CTS), enabling participants in Palo Alto, California, Denver, Colorado and Seattle, Washington to interact with NLM staff located in the Library's Billings Auditorium.

The CTS is a joint project of Canada and the U.S., including such U.S. agencies as NASA, Veterans Administration, and NLM's Lister Hill Center for Biomedical Communications. The satellite, which measures 55 feet in length with its solar panels fully extended, was designed and built by the Canadian government. It was launched into orbit by NASA on January 17, 1976, and is expected to provide a communications relay in the sky for at least two years. The satellite maintains a stationary orbit 22,300 miles above the equator off the west coast of South America and is capable of broadcasting throughout the Western Hemisphere, maintaining voice signals and color video pictures across vast distances.

Planning for the broadcast began several months ago under the direction of the On-Line Training Coordinator in cooperation with members of the staff of the Communications Engineering Branch of the NLM Lister Hill Center (LHC). Satellite receiving stations at the NASA/Ames Research Center at Moffett Field, California, the University of Washington Health Sciences Center in Seattle, and the University of Colorado Medical Center in Denver were selected as sites for participation in the program. The selection of these three stations was based on the location of the various satellite receiving stations in the U.S. and the concentration of NLM on-line searchers in those areas. Arrangements were made with the Regional Medical Libraries in Regions 8, 10 and 11 to incorporate the broadcast into their annual On-Line Services Update sessions. Ruth Swanson, Carole Stock and Michael Homan were asked to serve as "site facilitators" in their respective Regions for planning and coordination with the search analysts as well as the technical staffs at the satellite stations.

As the amount of time allotted to the update was to be limited to three hours it was agreed that the broadcast should include instruction on the 1978 MeSH, and the MEDLINE, SERLINE and RTECS data bases, as these topics are currently of most widespread interest and importance to NLM on-line system searchers. Thelma Charen, Index Section, Betsy Humphreys, Serials Records Section, and Laura Eisenberg, On-Line Training Coordinator, were chosen to serve as the panel of instructors. As the day of the broadcast drew near, the LHC technical crew in Bethesda worked closely with the instructors, briefing them on the mechanical aspects of CTS transmission, reviewing the program sequence, assisting in the preparation of visual aids, suggesting appropriate clothing and providing general support and encouragement.

Shortly after noon (EST) on November 2, the instructors, the technical crew and a small audience assembled in the Billings Auditorium. At precisely 12:30 p.m., the CTS logo appeared on monitors in Bethesda, Palo Alto, Seattle, and Denver. The broadcast was underway.

All went smoothly for the first portion of the program. The two-way audio-visual transmission allowed the instructors and participants to "see" and talk to each other during the interactive question-and-answer period. If not for the presence of cameras and bright lights, it would have almost seemed as though all of us were in the same room.

And then, at 1 hour and 23 minutes into the broadcast, telemetry on the satellite was lost and the three west coast locations ceased to receive the signal emanating from NLM. After a short pause while NASA technicians attempted to re-establish communications, the program resumed. From that point on, however, we were limited to one-way audiovisual transmission from Bethesda to the other sites. Questions from participants were received via telephone lines and through a loudspeaker in Billings Auditorium, requiring the instructors to repeat the questions prior to answering. In addition, the instructors found themselves speaking to blank television screens which was mildly disconcerting!

Nevertheless, the good spirits of the participants, instructors, and technical crew remained undaunted. All the topics to be included were covered and all questions were answered (using the extra 20 minutes permitted us by NASA), leaving one minute for closing credits and good-byes.

The feedback received from participants at all locations was overwhelmingly positive. The excitement of using the satellite and the opportunity to interact with NLM staff seemed to compensate for the technical difficulties encountered. The advantages of presenting the 1978 update material to several Regions simultaneously are obvious. The broadcast was, of course, an experiment and until an operating system based on this new technology has been established, we can only state that we are all very pleased to have had the opportunity to participate. We consider it to have been a (qualified) success and we'd love to do it again!

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

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

ACTA ONCOLOGICA BRASILEIRA
1, 1977--
Instituto Central - Hospital
as Camargo da Fundacao
Antonio Prudente
Sao Paulo, Brazil

ADVANCES IN POLYAMINE RESEARCH
1, 1977--
Raven Press
New York, New York

- *AFRICAN JOURNAL OF PSYCHIATRY
1, 1975--
Literamed Publications (Nig.)
Lagos, Nigeria
- AGE
1, 1977--
University of Nebraska
Medical Center
Omaha, Nebraska
- AGEING INTERNATIONAL
1, 1977--
International Federation on Ageing
Washington, D.C.
- +AGENTS AND ACTIONS. SUPPLEMENT
1, 1977--
Birkhauser Verlag
Basel, Switzerland
- *BEHAVIOR THERAPY IN PSYCHIATRIC
PRACTICE
1, 1976--
Pergamon Press Inc.
Elmsford, New York
- CCM - CRITICAL CARE MANUAL
1, 1976--
Upjohn
Kalamazoo, Michigan
- CONTEMPORARY TOPICS IN ANALYTICAL
AND CLINICAL CHEMISTRY
1, 1977--
Plenum
New York, New York
- CRC HANDBOOK OF ELECTROPHORESIS
1, 1977--
CRC Press
Cleveland, Ohio
- CRC HANDBOOK OF RADIATION
MEASUREMENT AND PROTECTION
1, 1977--
CRC Press
Cleveland, Ohio
- CRC HANDBOOK SERIES IN NUTRITION
AND FOOD. SECTION A: NUTRITION
AND FOOD SCIENCE
1, 1978--
CRC Press
Cleveland, Ohio
- CRC HANDBOOK SERIES IN NUTRITION
AND FOOD. SECTION B: THE LIVING
ORGANISMS, THEIR CHEMICAL CONSTI-
TUTION, FEEDING AND DIGESTIVE
SYSTEM, AND ECOLOGICAL ASPECTS
1, 1978--
CRC Press
Cleveland, Ohio
- CRC HANDBOOK SERIES IN NUTRITION
AND FOOD. SECTION C: THE
NUTRIENTS AND THEIR METABOLISM
1, 1978--
CRC Press
Cleveland, Ohio
- CRC HANDBOOK SERIES IN NUTRITION
AND FOOD. SECTION D: NUTRI-
TIONAL REQUIREMENTS
1, 1977--
CRC Press
Cleveland, Ohio
- CRC HANDBOOK SERIES IN NUTRITION
AND FOOD. SECTION E: NUTRI-
TIONAL DISORDERS
1, 1977--
CRC Press
Cleveland, Ohio
- CRC HANDBOOK SERIES IN NUTRITION
AND FOOD. SECTION G: DIETS,
CULTURE MEDIA, AND FOOD
SUPPLEMENTS
1, 1977--
CRC Press
Cleveland, Ohio
- CRC HANDBOOK SERIES IN NUTRITION
AND FOOD. SECTION H: THE STATE
OF WORLD FOOD AND NUTRITION
1, 1978--
CRC Press
Cleveland, Ohio
- CRC HANDBOOK SERIES IN NUTRITION
AND FOOD. SECTION I: FOOD
SAFETY, FOOD PROCESSING, FOOD
PRESERVATION
1, 1978--
CRC Press
Cleveland, Ohio

CRC HANDBOOK SERIES IN NUTRITION
AND FOOD. SECTION J: NUTRITION
AND FOOD METHODOLOGY

1, 1978--
CRC Press
Cleveland, Ohio

CRC HANDBOOK OF ZOOSES

1, 1977--
CRC Press
Cleveland, Ohio

DEVELOPMENTAL NEUROSCIENCE

1, 1977
Karger
Basel, Switzerland

DEVELOPMENTS IN TOXICOLOGY AND
ENVIRONMENTAL SCIENCE

1, 1977--
Elsevier North Holland
Amsterdam, Netherlands

ENVIRONMENTAL HEALTH CRITERIA

1976--
World Health Organization
Geneva, Switzerland

ISOZYMES: CURRENT TOPICS IN
BIOLOGICAL AND MEDICAL
RESEARCH ISOZYMES

1, 1977--
Alan R. Liss
New York, New York

JOURNAL OF DENTISTRY FOR
THE HANDICAPPED

1, 1977--
Academy of Dentistry for
the Handicapped
Springfield, Ohio

*JOURNAL OF ORAL IMPLANTOLOGY

1977--
American Academy of
Implant Dentistry
Continues Oral Implantology
Abington, Massachusetts

LABORATORIUM MEDIZIN

1, 1977--
Verlag Kirchheim and Co. GMBH
Mainz, West Germany

MMWR. CENTER FOR DISEASE CONTROL
MORBIDITY AND MORTALITY WEEKLY
REPORT

25, 1976--
Center for Disease Control
Continues Morbidity and
Mortality Weekly Report
Atlanta, Georgia

NEW VISTA IN COUNSELING SERIES

1, 1977--
Human Science Press
New York, New York

PEDIATRIA

1977--
La Prensa Medica Argentina
Continues Archivos Argentinos
de Pediatria
Buenos Aires, Argentina

PERINATOLOGY/NEONATOLOGY

1977--
Barrington Publications
Los Angeles, California

PERSPECTIVES ON HEALTH POLICY

1, 1974--
Boston University Medical Center
Boston, Massachusetts

PERSPECTIVES IN OPHTHALMOLOGY

1, 1977--
Appleton-Century-Crofts
New York, New York

PHARMACOCHEMISTRY LIBRARY

1, 1977--
Elsevier
Amsterdam, Netherlands

+PROGRESS IN CLINICAL AND
BIOLOGICAL RESEARCH

1, 1975--
Alan R. Liss
New York, New York

RENAL PHYSIOLOGY

1, 1977--
Karger
Basel, Switzerland

REVISTA MEDICA

1, 1977--

Bolivia, Caja Nacional de
Seguridad Social
La Paz, Bolivia

SPRINGER SERIES ON INDUSTRY
AND HEALTH CARE

1, 1977--

Springer Verlag
New York, New York

*RIVISTA DI BIOLOGIA NORMALE
E PATOLOGICA

1, 1975--

Centro Universitario di Ricerca
Sui Tumori Dell Universita di
Messina
Messina, Italy

STUDIES IN CROSS-CULTURAL
PSYCHOLOGY

1, 1977--

Academic Press
New York, New York

*SHONI GEKA

9, 1977--

Tokyo Igakusha
Continues in part Japanese Journal
of Pediatric Surgery and Medicine
Tokyo, Japan

*UNITED STATES PHARMACOPEIA.
NATIONAL FORMULARY. SUPPLEMENT

3, 1977--

U.S. Pharmacopeia Convention
Continues Pharmacopeia of
United States of America.
Supplement
Rockville, Maryland

*SHONI NAIKA

9, 1977--

Tokyo Igakusha
Continues in part Japanese Journal
of Pediatric Surgery and Medicine
Tokyo, Japan

VETERINARY SCIENCE COMMUNICATIONS

1, 1977--

Elsevier
Amsterdam, Netherlands

+SPM; SALUD PUBLICA DE MEXICO

18, 1976--

Salud de Mexico
Continues Salud Publica de Mexico
Mexico City, Mexico

WAKING AND SLEEPING

1977--

Editio Asklepiion
Wurzburg, Germany

ERRATA

In the article DRUGS OF ABUSE by William Caldwell which appeared in the October 1977 issue, please make the following changes:

- (1) in the quote from the Uniform Narcotic Drug Act defining a narcotic, change "not apply" to "now apply". (page 16)
- (2) in the list of non-MeSH narcotics, change "dioxaphetyl" to "dioxaphetyl butyrate". (page 17)
- (3) in the list of stimulants, change "dextroamphetamine" to "dextroamphetamine" and "pehndimetrazine" to "phendimetrazine". (page 19)
- (4) in the list of depressants, change "ethiamate" to "ethinamate" and insert "paraaldehyde". (page 19)

LIST OF MONOGRAPHS INDEXED

NOVEMBER 1977

D

Development of host defenses / edited by Max D Cooper, Delbert H Dayton — New York Raven Press, c1977 xiv, 306 p ill — (Monograph of the National Institute of Child Health and Human Development) Based on a conference sponsored by the National Institute of Child Health and Human Development in May 1976
 1 Immunity - in infancy & childhood - congresses
 I Cooper, Max D, 1933- ed II Dayton, Delbert H, 1931- ed III National Institute of Child Health and Human Development IV Title
 Conference on development of host defenses V Series
 ISBN 0-89004-117-2 LC 76-51866
 04NLM QW 504 D489 1976
 IM Cit No 7701807 (rev CIP)

Drug metabolism concepts / Donald M Jerina, editor — Washington American Chemical Society, 1977 ix, 196 p ill — (ACS symposium series , 44) Outgrowth of a symposium titled 'Recent advances in the study of drug metabolism' held in San Francisco, September, 1976 Symposium co-sponsored by the Division of Medicinal Chemistry and the Division of Analytical Chemistry at the 172nd meeting of the American Chemical Society, San Francisco, Calif, August 31, 1976
 1 Drug Synergism - congresses 2 Drug Tolerance - congresses 3 Drugs - metabolism - congresses 4 Metabolism - drug effects - congresses I Jerina, Donald M, ed II American Chemical Society Division of Analytical Chemistry III American Chemical Society Division of Medicinal Chemistry IV American Chemical Society V Title
 Symposium on recent advances in the study of drug metabolism VI Series
 ISBN 0-8412-0370-9 ISSN 0097-6156 LC 77-2279
 04NLM QV 38 D7936 1976
 IM Cit No 7707296

H

Health and the division of labour / edited by Margaret Stacey [et al] — London Croom Helm, New York Prodist, c1977 237 p ill — (Explorations in sociology) Selected papers from the 1976 British Sociological Association conference Companion volume to Health care and health knowledge
 1 Health Occupations - congresses 2 Health Services - congresses 3 Sociology - congresses I Stacey, Margaret, ed II British Sociological Association III Title Health care and health knowledge
 ISBN 0-88202-119-2 LC 77-8198
 04NLM W 21 H432 1976
 IM Cit No 7703444 (rev CIP)

I

International Conference on the Adjuvant Therapy of Cancer, 1st, Tucson, Ariz., 1977. Adjuvant therapy of cancer proceedings of the International Conference on the Adjuvant Therapy of Cancer held in Tucson, Arizona, U S A, March 2-5, 1977 / editors, Sydney E Salmon and Stephen E Jones — Amsterdam, New York North-Holland Pub Co, New York sole distributors for the U S A and Canada, Elsevier/North-Holland, 1977 xii, 646 p ill Organized by the Section of Hematology and Oncology and the Cancer Center of the University of Arizona Includes bibliographies
 1 Adjuvants, Immunologic - therapeutic use - congresses 2 Adjuvants, Pharmaceutical - therapeutic use - congresses 3 Neoplasms - drug therapy - congresses I Jones, Stephen E, 1941- ed II Salmon, Sydney E, 1936- ed III University of Arizona College of Medicine Cancer Center IV University of Arizona College of Medicine Section of Hematology and Oncology V Title
 ISBN 0-7204-0642-0 LC 77-8306
 04NLM QZ 267 I46a 1977
 IM Cit No 7707238

J

Japan-U. S. Seminar on Biochemistry of Cutaneous Epidermal Differentiation, Sendai, Japan, 1976.

Biochemistry of cutaneous epidermal differentiation proceedings of the Japan-U S Seminar on Biochemistry of Cutaneous Epidermal Differentiation / edited by Makoto Seiji and I A Bernstein — Baltimore University Park Press, c1977 xi, 514 p ill Seminar sponsored by the Japan Society for the Promotion of Science and the National Science Foundation of the United States
 1 Cell Differentiation - congresses 2 Skin - cytology - congresses 3 Skin - physiology - congresses I Bernstein, I A, ed II Seiji, Makoto, ed III National Science Foundation IV Nippon Gakujutsu Shinkokai V Title
 ISBN 0-8391-1115-0 LC 77-2380
 04NLM WR 102 J35b 1976
 IM Cit No 7707457



THE NLM TECHNICAL BULLETIN

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

DECEMBER 1977

No. 104

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

TECHNICAL NOTES

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

Whenever applicable, the headings of each Technical Note will include a reference to the section/page of the NLM On-line Services Reference Manual which is considered most relevant to the item being discussed (e.g., Manual II-9). Users should keep in mind that the item may pertain to other sections of the Manual.

JOURNAL CITATION DATA BASES

MEDLINE and SDILINE were updated with December 1977 citations on November 7 at NLM and SUNY. The sizes, Index Medicus date ranges and entry dates are given below:

MEDLINE (Jan 75 - Dec 77)	815,699
(Entry dates 741205 to 771031)	
SDILINE (Dec 77)	24,997
(Entry dates 771014 to 771031)	

TOXLINE UPDATE - NOVEMBER 21, 1977

The TOXLINE file was updated November 21, 1977, with 10,023 records as follows:

<u>SUBFILE</u>	<u>COVERAGE</u>	<u>RECORDS ADDED</u>
CBAC	Vo. 26, Iss. 8-10	6,814
HEEP	Dec 77	1,098
TOXBIB	Dec 77	1,536
IPA	Sep 77	575
	Total	<u>10,023</u>

The update tag is 1177(ST). This brings the total number of documents in TOXLINE to 489,949.

NON-PRIME HOURS OF SERVICE, NLM AND SUNY

Non-prime hours have been extended to include 11:30 a.m. to 1:00 p.m. (ET) Monday through Friday at NLM and SUNY through the month of March 1978 on an experimental basis.

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Editor: Grace H. McCarn

Assistant Editors: Yvonne B. Scott
Sharon L. Valley, Ph.D.

Technical Notes Editor: Carolyn B. Tilley

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

HOURS OF SERVICE, NLM AND SUNY

The On-Line Hours of Service at NLM and SUNY have been extended on an experimental basis until 9:00 p.m. through March 1978.

BACK75

The BACK75 file is available effective December 19, 1977.

CANCERLIT (MANUAL XV)

The CANCERLIT (previously called CANCERLINE) data base was regenerated on November 14, 1977. Changes made to the file are listed below:

- 1) "Book" is no longer a publication type (PT). If you wish to limit your retrieval to books, you must now type MONOGRAPH. All records previously indexed to BOOK have been re-indexed to MONOGRAPH.
- 2) Ranging on the publication year can now be done using the category qualifier (YP). In the past, direct searching was qualified with YP and ranging had to be qualified with YR. This is no longer the case.
- 3) A small number of CANCERLIT records had index terms in the Keyword (KW) field. These terms have been removed because so few records in the file had them. No index terms will go into the KW field until sometime in the future when controlled index terms will be used to index CANCERLIT records. A numeric string can be found in this field for many records. Please ignore the numbers as they are used only for document tracking purposes.
- 4) All records now carry a publication type (PT).
- 5) Many duplicate records, as well as other errors or problems identified by users have been corrected. Please continue to report errors found in CANCERLIT so that the quality of the file can continue to be improved.
- 6) Entering an unqualified 76 or 75, etc., when searching directly on publication year, will no longer result in a multi-meaning message. The pagination (PG) data element which caused this problem has been removed.

TYMNET NUMBERS (MANUAL II-9)

New Number:

Longview, TX 214/758-0801 C

Changes:

	<u>From</u>	<u>To</u>
Lafayette, LA	318/235-3679 C	318/235-5202 C
Santa Barbara, CA	805/965-8010 C	805/966-3184 C

NEW PROCEDURES EMPLOYED BECAUSE OF CATALOGING POLICY CHANGES
Carolyn Davis, Cataloging Section, TSD, NLM

CATALOGING IN PUBLICATION (CIPS) IN PRINTED FORM

MLA subscribers to the NLM Weekly Proofs were notified in Weekly #24, June 17, 1977 of changes in processes regarding Cataloging-in-Publication (CIP) items. The changes are a result of NLM's attempt to become more consistent with MARC updating procedures for CIP material. Data for CIP's are entered into CATLINE before the work is published, and when the actual work is published, the original CIP record is revised. Previously, a new record was input and the CIP record was deleted. The revised CIP's will appear only in every fourth weekly - the index issue. The notation "Rev. CIP" contained in the Revision Indicator (RI) field will appear at the bottom of the citation as well as the usual asterisk (*) beside it. Because an updated CIP retains its original citation number, it will not be in the range of sequenced citation numbers found in the index. The revised citation will be found in the weekly accompanying the index. They will also appear in the quarterly and annual Current Catalog.

Occasionally, a work which is cataloged as a CIP, is found to be out of scope and/or coverage. These works will not be placed in NLM's collection and after receipt, records will not be updated bibliographically nor re-published. The original CIP citation, however, will be retained in CATLINE. In CATLINE The Call Number (CA) field will contain the phrase "Not Acquired."

CIP's IN NON-PRINTED FORM

Occasionally CIP's are cataloged as monographs in CATLINE but when the work is received, it is an audiovisual item. In such cases, the citation will be deleted from CATLINE, and the work will be processed for AVLINE.

Any item received for CIP cataloging which is identified as an audiovisual will not be processed for NLM CIP processing.

Monographs published separately and as part of a multi-media package may be cataloged in both CATLINE and AVLINE.

WITHDRAWN OR NOT ACQUIRED ITEMS

Citations will remain in CATLINE for items withdrawn from the NLM collection or for CIP items not acquired. The following symbols will appear in CATLINE in the Revision Indicator (RI) field. The citations will not be re-published in any NLM cumulations of the Current Catalog. The citations are being retained in CATLINE in order to provide current information on the non-availability of interlibrary loans for these items.

<u>Code</u>	<u>Explanation</u>
CIP:COV	CIP not acquired because not in coverage
CIP:OS	CIP not acquired because out of scope
w/d:76 Inv.	Withdrawn - not found in 1976 inventory
w/d:COV	Withdrawn - coverage
w/d:DUP	Withdrawn - duplicate
w/d:NS	Withdrawn - nonsubstantive
w/d:OS	Withdrawn - out-of-scope
w/d:SUP	Withdrawn - superseded

REVISED CITATIONS

Items that have had major revisions to names, titles, imprint, series, main headings, call numbers, etc., will have "rev" in the RI field.

Items that have been completely recataloged according to current practice have "Recat" in the RI field. Both types of records will be re-published in the cumulations of the Current Catalog.

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

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

ADVANCES IN BEHAVIORAL PEDIATRICS
 1, 1978--
 JAI Press
 Greenwich, Connecticut

BULLETIN OF THE AMERICAN ACADEMY
 OF DERMATOLOGY
 1, 1976--
 American Academy of Dermatology
 Detroit, Michigan

ADVANCES IN LAW AND PSYCHOLOGY
 1, 1977--
 JAI Press
 Greenwich, Connecticut

BULLETIN OF MOLECULAR BIOLOGY
 AND MEDICINE
 1, 1976--
 Idelson Science Publisher
 Naples, Italy

ADVANCES IN SPECIAL EDUCATION
 1, 1978--
 JAI Press
 Greenwich, Connecticut

CAHIERS D HEMOBIOLOGIE-TRANSFUSION
 1, 1976--
 Centre d Hemobiologie-Transfusion
 de l Hopital Saint-Louis
 Paris, France

ADVANCES IN THANATOLOGY
 4, 1977--
 MSS Information Corp.
 Continues Journal of Thanatology
 New York, New York

CASE STUDIES IN HEALTH ADMINISTRATION
1, 1978--

Mosby
St. Louis, Missouri

CELLULAR SENESCENCE AND SOMATIC
CELL GENETICS

1, 1977--
Plenum
New York, New York

+COMPARATIVE MEDICINE EAST AND WEST
5, 1977--

Science History Publications
Continues American Journal of
Chinese Medicine
New York, New York

EDUCATIONAL GERONTOLOGY

1, 1976--
Hemisphere Publishing Co.
Washington, DC

HEALTH CARE EDUCATION

6, 1977--
Health Care Publication
Continues In-Service Training
and Education
New York, New York

HEALTH AND MEDICAL CARE SERVICES
REVIEW

1, 1978--
Haworth Press
New York, New York

HEART AND CIRCULATION

1, 1977--
Marcel Dekker
New York, New York

INTERACTION

1, 1977--
Psychiatric Institutes of America
Washington, DC

JOURNAL OF BEHAVIOURAL ANALYSIS
AND MODIFICATION

2, 1977--
Urban and Schwarzenberg
Continues European Journal of
Behavioural Analysis and
Modification
Munich, Germany

JOURNAL OF CONTINUING EDUCATION
IN FAMILY MEDICINE

9, 1977--
Medical Digest Inc.
Continues Medical Digest
Northfield, Illinois

JOURNAL OF INTERNATIONAL PHYSICIANS
1, 1976--

Cherry Hill, New Jersey

JOURNAL OF PHARMACEUTICAL AND
MEDICAL SCIENCES

1, 1977--
Fred Atoki Publishing Company
Lagos, Nigeria

LABORATORY AND RESEARCH METHODS
IN BIOLOGY AND MEDICINE

1, 1977--
Alan R Liss
New York, New York

LAW AND HUMAN BEHAVIOR

1, 1977--
Plenum
New York, New York

+MICROBIOLOGICAL REVIEWS

42, 1978--
American Society for Microbiology
Continues Bacteriological Reviews
Birmingham, Alabama

*NEUROLOGIA EN COLOMBIA

1, 1977--
Fundacion Instituto
Neurologico de Colombia
Bogota, Colombia

NEUROSURGERY

1, 1977--
Williams and Wilkins
Baltimore, Maryland

PACE

1, 1978--
Futura Publishing Co.
Mount Kisco, New York

PHYSICAL FITNESS/SPORTS MEDICINE

1, 1978--
U.S. President's Council on
Physical Fitness and Sports
Washington, DC

*POPULATION REPORTS

N1, 1977--
 Population Information Program.
 George Washington Medical Center
 Issued by the Population Infor-
 mation Program. Called also:
 Population Reports Special Topics
 Washington, DC

PSIHIJATRIJA DANAS

8, 1976--
 Zavod za Mentalno Zdravlje
 Continues Anali Zavoda za Mentalna
 Zdravlje
 Beograd, Yugoslavia

RESEARCH IN COMMUNITY AND
 MENTAL HEALTH

1, 1977--
 JAI Press
 Greenwich, Connecticut

RESEARCH IN THE INTERWEAVE OF
 SOCIAL ROLES: WOMEN AND MEN

1, 1978--
 JAI Press
 Greenwich, Connecticut

RESEARCH IN PUBLIC POLICY AND
 MANAGEMENT

1, 1977--
 JAI Press
 Greenwich, Connecticut

RESEARCH IN SOCIAL PROBLEMS
 AND PUBLIC POLICY

1, 1978--
 JAI Press
 Greenwich, Connecticut

*REVISTA DA AMMG

29, 1977--
 Revista da Associacao de
 Minas Gerais
 Continues Revista da Associacao
 Medica de Minas Gerais
 Minas Gerais, Brazil

SALVE

1, 1977--
 Corriere Della Sera
 Milan, Italy

SEXUALITY AND DISABILITY

1, 1978--
 Human Sciences Press
 New York, New York

SOCIAL WORK WITH GROUPS

1, 1978--
 Haworth Press
 New York, New York

*SRI LANKA JOURNAL OF SURGERY

2, 1975--
 College of Surgeons of Sri Lanka
 Continues Ceylon Journal of
 Surgery
 Sri Lanka, Ceylon

WHOS WHO IN CHIROPRACTIC
 INTERNATIONAL

1, 1976/78--
 Who's Who in Chiropractic
 International Publishing Co.
 Littleton, Colorado

LIST OF MONOGRAPHS INDEXED

DECEMBER 1977

A

Anorexia nervosa / edited by Robert A. Vigersky. — New York : Raven Press, c1977. xvi, 392 p. : ill. — (Monograph of the National Institute of Child Health and Human Development) Papers from a conference held on October 13-15, 1976 at the National Institutes of Health.
1. Anorexia Nervosa - congresses I. Vigersky, Robert A., 1947- ed. II. National Institutes of Health. III. Title: Conference on anorexia nervosa IV. Series ISBN 0-89004-185-7 LC: 76-57005
04NLM: WM 174 A615 1976
IM Cit. No. 7702253 (rev. CIP.)

C

Conference on the Chemistry and Biology of Thrombin, Mayo Clinic, Rochester, Minn., 1977. Chemistry and biology of thrombin / edited by Roger L. Lundblad, John W. Fenton, II, Kenneth G. Mann. — Ann Arbor : Ann Arbor Science, c1977. xii, 564 p. : ill. Includes bibliographies.
1. Thrombin - congresses I. Fenton, John W., ed. II. Lundblad, Roger L., ed. III. Mann, Kenneth G., ed. IV. Title ISBN 0-250-40160-6 LC: 77-076907
04NLM: WH 310 C748c 1977
IM Cit. No. 7708369

E

The Evaluation of toxicological data for the protection of public health : proceedings of the international colloquium, Luxembourg, December 1976 / editors, W. J. Hunter and J. G. P. M. Smeets. — 1st ed. — Oxford ; New York : Published for the Commission of the European Communities by Pergamon Press, 1977. 427 p. : ill. — (EUR ; 5727) ISBN 0-08-021998-5 (flexicover). Organized by the Commission of the European Communities, Health and Safety Directorate in collaboration with the International Academy of Environmental Safety. Articles in English, or in French or Italian, with English translations.
1. Environmental Health - congresses 2. Environmental Pollutants - toxicity - congresses 3. Toxicology - standards - congresses I. Hunter, W. J., ed. II. Smeets, J. G. P. M., ed. III. Commission of the European Communities. Health and Safety Directorate. IV. International Academy of Environmental Safety. V. Title: International colloquium on the evaluation of toxicological data for the protection of public health VI. Series ISBN 0-08-021998-5 LC: 77-6752
04NLM: WA 30 E89 1976
IM Cit. No. 7708526
Price: 35.00

I

International Society for Eye Research. Drugs and ocular tissues / editor, S. Dikstein. — Basel ; New York : Karger, 1977. xx, 661 p. : ill. Proceedings of the 2d meeting of the International Society for Eye Research, Jerusalem, 1976.
1. Eye - drug effects - congresses I. Dikstein, S., ed. II. Title ISBN 3-8055-2637-7
04NLM: WW 100 I61d 1976
IM Cit. No. 7707636

International Symposium on the Clinical Chemistry and Chemical Toxicology of Metals, Monte Carlo, 1977. Clinical chemistry and chemical toxicology of metals : proceedings of the first international symposium organized by the Commission on Toxicology, IUPAC Section on Clinical Chemistry, held at Monte Carlo, 2-5 March 1977 / editor, Stanley S. Brown. — Amsterdam ; New York : Elsevier/North-Holland, 1977. xi, 398 p. : ill. — (Developments in toxicology and environmental science ; v. 1) Sponsored by International Union of Pure and Applied Chemistry, International Federation of Clinical Chemistry, and Association of Clinical Scientists.
1. Metals - poisoning - congresses I. Brown, Stanley S., ed. II. Association of Clinical Scientists. III. International Federation of Clinical Chemistry. IV.

International Union of Pure and Applied Chemistry. Commission on Toxicology. V. Title VI. Series ISBN 0-444-41601-3 LC: 77-8568
04NLM: W1 DE998T v.1 1977
0XNLM: [QV 290 I61c 1977]
IM Cit. No. 7703403 (rev. CIP.)
Price: 39.25

P

Progesterone receptors in normal and neoplastic tissues / edited by William L. McGuire, Jean-Pierre Raynaud, Etienne-Emile Baulieu. — New York : Raven Press, c1977. xii, 345 p. : ill. — (Progress in cancer research and therapy ; v. 4) Papers given at a meeting in Montebello, Quebec in 1976, sponsored by Roussel (Canada) Ltd.
1. Breast Neoplasms - congresses 2. Progesterone Hormones, Synthetic - diagnostic use - congresses 3. Receptors, Estrogen - analysis - congresses 4. Receptors, Progesterone - analysis - congresses 5. Uterine Neoplasms - congresses I. Baulieu, Etienne Emile, ed. II. McGuire, William L., 1937- ed. III. Raynaud, Jean-Pierre, ed. IV. Roussel (Canada) Ltd. V. Series ISBN 0-89004-163-6 LC: 77-72065
04NLM: W1 PR667M v.4 1977
0XNLM: [WP 870 P964 1976]
IM Cit. No. 7702182 (rev. CIP.)

R

The Role of health insurance in the health services sector : a conference of the Universities-National Bureau Committee for Economic Research / edited by Richard N. Rosett. — New York : National Bureau of Economic Research ; distributed by Neale Watson Academic Publications, 1976. xi, 548 p. : ill. — (Universities-National Bureau conference series ; no. 27) Conference held in 1976.
1. Economics, Medical - U. S. - congresses 2. Insurance, Health - U. S. - congresses I. Rosett, Richard N., 1928- ed. II. Universities-National Bureau Committee for Economic Research. III. Title: Conference on the role of health insurance in the health services sector ISBN 0-87014-272-0 LC: 76-8856
04NLM,01HMS: W 275 AA1 R685 1976
IM Cit. No. 7707399
Price: 18.50

S

Symposium on Fundamental Cancer Research, 29th, M. D. Anderson Hospital and Tumor Institute, Houston, Tex., 1976. Growth kinetics and biochemical regulation of normal and malignant cells : a collection of papers presented at the twenty-ninth Annual Symposium on Fundamental Cancer Research, 1976 / Benjamin Drewinko and Ronald M. Humphrey, editors. — Baltimore : Williams & Wilkins, 1977. xv, 900 p. : ill. Published for the University of Texas System Cancer Center M. D. Anderson Hospital and Tumor Institute, Houston, Texas.
1. Cell Division - congresses 2. Cell Transformation, Neoplastic - congresses 3. Neoplasms, Experimental - congresses I. Drewinko, Benjamin, ed. II. Humphrey, Ronald M., ed. III. University of Texas System Cancer Center M. D. Anderson Hospital and Tumor Institute, Houston. IV. Title LC: 76-41425
04NLM: W3 SY5177 1976g
0XNLM: [QZ 206 S989ge 1976]
IM Cit. No. 7707656

W

Workshop on Nongonococcal Urethritis and Related Infections, Lake Placid, N. Y., 1976. Nongonococcal urethritis and related infections / editors, Derek Hobson, King K. Holmes. — Washington : American Society for Microbiology, 1977. xvi, 391 p. : ill.
1. Chlamydia trachomatis - congresses 2. Chlamydia Infections - congresses 3. Genital Diseases, Male - congresses 4. Gynecology - congresses 5. Ophthalmology - congresses 6. Urethritis -

congresses I. Hobson, Derek, ed. II. Holmes,
King K., ed. III. American Society for Microbiology.
IV. Workshop on Nongonococcal Urethritis and Related
Oculogenital Infections, Lake Placid, N. Y., 1976.
V. Title
ISBN 0-914826-11-5 LC: 77-24329
04NLM: WJ 600 W926p 1976
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Public Health Service
National Institutes of Health

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