

# The NLM Technical Bulletin

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## NLM Online Training Program: 1994 Schedule

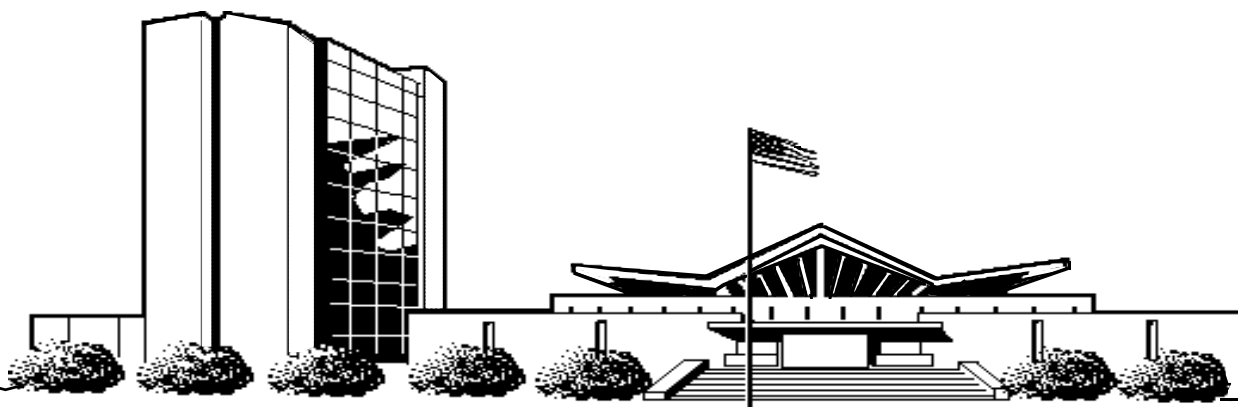
The 1994 schedule of NLM Online Services Training has been finalized. The lists of classes are presented in a variety of ways (e.g., a month-by-month format; by database; and by training site) in Appendices D - H. The registration form is in Appendix I. These classes focus on techniques for searching the MEDLARS® databases using command-language searching. The NLM Online Services Training Program consists of a basic module plus seven specialized modules. The basic module is:

### **Fundamentals of MEDLARS Searching:**

This 3-day class for new searchers focuses on ELHILL® commands, MEDLINE, and MeSH vocabulary.

The seven Specialized Modules cover many of the other MEDLARS databases:

*Continued on page 5*



<p><b>NLM TECHNICAL BULLETIN</b></p>	<p>MEDLARS® DATABASE</p>	<p>TOTAL RECORDS</p>	<p>DATES COVERED</p>	<p>DATE LAST UPDATED</p>	<p>LATEST UPDATE TAG</p>
<p><b>Head, MMS</b> Carolyn B. Tilley</p>	<p>ELHILL® COMPUTER</p>				
<p><b>Co-Editor</b> Toby G. Port</p>	<p>AIDSDRUGS AIDSLINE®** AIDSTRIALS</p>	<p>171 83,751 504</p>	<p>JAN 80-OCT 93</p>	<p>19 JUN 93 07 AUG 93 31 JUL 93</p>	<p>9306(EM) 9310(EM) 9307(EM)</p>
<p><b>Co-Editor</b> Mary Herron</p>	<p>AVLINE® BIOETHICSLINE® BIOTECHSEEK CANCERLIT®</p>	<p>25,577 39,249 3,720 980,143</p>	<p>THRU 1993 JAN 73-AUG 93 JAN 90-SEP 93 JAN 63-AUG 93</p>	<p>05 AUG 93 23 JUL 93 07 AUG 93 07 AUG 93</p>	<p>9308(EM) 9309(EM) 9308(EM)</p>
<p><b>Technical Notes Editor</b> Marcia Zorn</p>	<p>CATLINE® CHEMID CHEMLINE® DENTALPROJ™ DIRLINE® DOCUSER® HEALTH HISTLINE®</p>	<p>716,158 267,994 1,170,493 786 14,778 13,836 685,042 111,339</p>	<p>THRU 1993     JAN 75-AUG 93</p>	<p>05 AUG 93 06 FEB 92 20 FEB 93 02 MAY 92 15 MAY 93 14 JUL 93 03 JUL 93 07 AUG 93</p>	<p>9302(EM)</p>
<p><b>Direct Inquiries to:</b> MEDLARS Management Section National Library of Medicine Bldg., 38A, Rm. 4N421 Bethesda, Maryland 20894 (800) 638-8480</p>	<p>MEDLINE®* MED85 MED80 MED75 MED66</p>	<p>1,254,234 1,687,582 1,388,631 1,278,668 1,986,323</p>	<p>JAN 90-OCT 93 JAN 85-DEC 89 JAN 80-DEC 84 JAN 75-DEC 79 JAN 66-DEC 74</p>	<p>07 AUG 93 03 AUG 93 24 JUL 93 17 JUL 93 19 JUN 93</p>	<p>9310(EM)</p>
<p><b>MEDLARS Inquiries:</b> mms@nlm.nih.gov</p>	<p>MESH VOCABULARY FILE® NAME AUTHORITY FILE® PDQ® POPLINE® SDILINE® SERLINE®</p>	<p>89,852 390,659  200,120 33,353 81,587</p>	<p>1993  THRU AUG 93 1970-AUG 93 SEP 93 THRU JUN 93</p>	<p>05 AUG 93 31 JUL 93 29 JUL 93 07 AUG 93 31 JUL 93 10 JUL 93</p>	<p>9308(EM) 9309(EM)</p>
<p><b>Grateful Med Inquiries:</b> gmhelp@gmedserv.nlm.nih.gov</p>	<p>TOXLINE® TOXLINE65 TOXLIT® TOXLIT65</p>	<p>1,190,823 705,394 1,174,991 586,405</p>	<p>1981-1993 PRE 1965-1980 1981-1993 1965-1980</p>	<p>10 JUL 93 03 APR 93 12 JUL 92 01 SEP 87</p>	<p>9307(EM)  9307(EM)</p>
<p><b>CONTENTS NOT COPYRIGHTED FREELY REPRODUCIBLE</b></p>	<p>*N.B. FILE IS UPDATED WEEKLY; THIS IS PART 1 OF 5. **N.B. FILE IS UPDATED WEEKLY; THIS IS PART 1 OF 4.</p>				
<p>The NLM Technical Bulletin is an administrative document sent to formal members of NLM's MEDLARS Online Network.</p>	<p>TOXNET® COMPUTER</p>				
	<p>CCRIS DART™ EMIC EMICBACK ETICBACK</p>	<p>4,624 17,384 5,136 75,886 49,593</p>		<p>22 JUL 93 04 AUG 93 03 AUG 93 08 SEP 92 08 JUL 90</p>	
	<p>GENE-TOX HSDB® IRIS RTECS®</p>	<p>2,919 4,372 647 120,225</p>		<p>21 OCT 92 29 JUN 93 02 AUG 93 13 MAY 93</p>	
	<p>TRI87 TRI88 TRI89 TRI 90 TRI91 TRIFACTS</p>	<p>79,437 85,974 85,522 84,317 82,294 326</p>		<p>03 AUG 93 03 AUG 93 04 AUG 93 06 AUG 93 20 MAY 93 10 APR 92</p>	

## Technical Notes

### MeSH Tools, 1994

The following 1994 MeSH Tools may now be ordered from the National Technical Information Service (NTIS). Shipment will take place in early October.

#### Medical Subject Headings - Annotated Alphabetic List, 1994

PB94-100047  
 \$42.00 U.S., Canada, and Mexico  
 \$84.00 (other countries)  
 \$24.00 microfiche U.S., Canada, and Mexico  
 \$48.00 microfiche (other countries)

#### Medical Subject Headings - Tree Structures, 1994

PB94-100054  
 \$39.00 U.S., Canada, and Mexico  
 \$78.00 (other countries)  
 \$18.00 microfiche U.S., Canada, and Mexico  
 \$36.00 microfiche (other countries)

#### Permuted Medical Subject Headings, 1994

PB94-100062  
 \$35.00 U.S., Canada, and Mexico  
 \$70.00 (other countries)  
 \$17.00 microfiche U.S., Canada, and Mexico  
 \$34.00 microfiche (other countries)

Orders should be sent to:

National Technical Information Service (NTIS)  
 U.S. Department of Commerce  
 5285 Port Royal Road  
 Springfield, VA 22161

1-800-423-9255 (for telephone orders from individuals/organizations with an NTIS deposit account or major credit card.)

Remittance or deposit account number should be sent with all mail orders. Remember to add \$3.00 (U.S., Canada, Mexico) or \$4.00 (other countries) for a shipping/handling charge per order, not per item ordered.

### **New International Directory Of Bioethics Organizations Available**

The National Reference Center for Bioethics Literature at Georgetown University's Kennedy Institute of Ethics has recently published the International Directory of Bioethics Organizations. This 383 page volume contains information on approximately 278 different groups worldwide that engage in the study, teaching, research, or practice of bioethics or health care ethics. Directory data includes staff names; addresses; telephone, e-mail, and fax numbers; mission statements; publications; educational programs and other relevant data, when available.

The International Directory of Bioethics Organizations is Volume 1 of a new series, the Bioethics Resource Series, published by the National Reference Center for Bioethics Literature. It is available from the Kennedy Institute for \$35 pre-paid (U.S.), \$40 pre-paid (non-U.S.). The fee includes postage and handling. Requests or questions should be directed to:

National Reference Center for Bioethics  
 Literature  
 Kennedy Institute of Ethics  
 Georgetown University  
 Washington, DC 20057-1065  
 1-800-MED-ETHX or 1-202-687-3885

### **Serials Update Correction**

There was an error in the date of the header in the Serials Update Section of the May-June 1993 issue of the *Technical Bulletin* on page 30. The header for that page should read:

### TITLES SELECTED FOR INDEXING, MARCH-APRIL 1993

You may wish to make this change to your copy of the *Technical Bulletin*, as well as advise the Serials Section of your organization if they make use of these lists.

### MEDLINE Update Schedule Change

The 1993 update schedules for MEDLINE, SDILINE, and AIDSLINE, which were originally published in Appendices A, B and C of the September-October 1992 issue of the *Technical Bulletin* on pages 31-32, have been revised. The change affects the Entry Months (EM) 9312 and 9401. Appendices A, B and C of this issue of the *Technical Bulletin* contain revised schedules.

### Erratum Notice

The Internet address to download Grateful Med-related files via anonymous ftp was given incorrectly on page 5, second column, of the March-April 1993 *Technical Bulletin* under "Updated Phones List Available." The correct address is gmedserv.nlm.nih.gov (ip address: 130.14.12.2).

### MEDLARS R&R Workshop - Houston, TX

Newly scheduled: A MEDLARS: Refresher & Review Workshop will be held the morning of Friday, November 19, 1993 in Houston, Texas. Please call the Midlands Online Training Center in Omaha, Nebraska at 1-800-338-7657 (press #2) or 402-559-4326 for further information or to register for the workshop. □



## MARK YOUR 1994 CALENDARS FOR THE NLM UPDATE!!



**Thursday, January 20, 1994** is the date for the **NLM Update Satellite Broadcast**. This broadcast, as announced at MLA, will be a 2-3 hour satellite transmission (probably starting around 12 noon or 1 pm et) on 1994 MeSH changes, system/database changes and other online system topics. NLM staff will present the information and there will be interactive question and answer periods. Later this summer each NN/LM member library will receive a letter from your Regional Medical Library requesting information about your institution's ability to downlink the satellite broadcast. Please respond promptly so that you will be on the list to receive detailed information about the program when it becomes available. Mark your calendars for this important date in 1994 and watch for the letter from your RML. □

Continued from page 1

**Enhanced Skills in Searching MEDLINE, MeSH, & HEALTH:** This 1-day module provides a refresher of the technical ELHILL commands as well as new techniques used in searching MEDLINE. The HEALTH PLANNING & ADMINISTRATION file and the online MeSH VOCABULARY FILE are also discussed.

**Chemical/Toxicology/TOXNET Databases (Chem/Tox/Toxnet:)** These databases (including ChemID, CHEMLINE, TOXLINE, TOXLIT and the various TOXNET databases) are taught in a comprehensive 2-day module.

**Cancer Databases:** This 1/2-day module includes CANCERLIT and PDQ.

**POPLINE/BIOETHICS/HISTLINE:** This 1/2-day module covers these three specialized databases.

**Technical Services Databases:** This 1-day module includes the techniques necessary to search the CATLINE, NAME AUTHORITY FILE, AVLINE, and SERLINE databases.

**AIDS Databases:** This 1/2-day module includes searching on AIDSLINE, AIDSTRIALS, and AIDS DRUGS.

**Biotechnology:** This 1/2-day module includes the BIOTECHSEEK file as well as biotechnology searching in the MEDLINE and DIRLINE files.

The *Fundamentals of MEDLARS Searching* class will be offered at **NO** charge by **ALL** online training centers. The Specialized Modules will be offered by the three Regional Online Training Centers on a cost-recovery basis.

Both the *Fundamentals* and the Specialized Modules concentrate on command language searching. For training in the use of Grateful Med<sup>®</sup>, consult with your local medical library or the nearest Regional Medical Library.

## How to Apply

Use the "Request for NLM Online Training" form — Appendix I. Send the completed form to the Regional Training Center conducting the training session. Next to the training site name in the various schedules is a symbol indicating to which training center the registration should be sent. Training classes held at NLM in Bethesda, Maryland, have no symbol indicator and registration should be mailed to the MEDLARS Management Section. The reverse side of the registration form provides the various mailing and FAXing information. If a class requires payment, instructions on payment will be sent to the registrant by the Training Center teaching the module after registration.

Every attempt will be made to place training applicants in the class requested. If a class is filled, the applicant will be registered for their second choice, and also automatically placed on a waiting list for their first choice. Approximately one month prior to the class, registrants will receive a packet containing information on hotels, local site arrangements and the agenda.

Keep the following points in mind when applying for these classes:

- The same form is used when applying for either the *Fundamentals* or any of the Specialized Modules. Please use a separate form for each applicant.
- It is necessary to have a MEDLARS User ID code in order to attend any of the classes.
- Please specify the class dates and sites on the form. Remember, some classes fill rapidly; therefore, it's a good idea to list a second choice to expedite scheduling.

- All classes/modules are considered “tentative” pending sufficient enrollment one month before the class.
- There are no prerequisites for the Specialized Modules. However, it is strongly recommended that applicants have previous experience/training or prior knowledge of the ELHILL command language before attending. If you are attending a *Fundamentals* course on the 3 days immediately preceding a Specialized Module, you will be prepared for the material included in any Specialized Module. Alternatively, you may take a 3-day *Fundamentals* course and then at a later date request and be scheduled for one or more Specialized Modules.

## **MEDLARS: REFRESHER & REVIEW**

The three Regional Online Training Centers offer a 4-hour workshop called *MEDLARS: REFRESHER & REVIEW (MEDLARS: R&R)*.

- This workshop includes a brief review of NLM system capabilities, a section covering recent enhancements to the system, and a demonstration of commands and techniques such as TFILE, SPRINT, online sorting, and Multi-File Searching (MFS).
- Intended for the experienced searcher who would like a system refresher or update. Terminal hands-on sessions are not included.
- A cost-recovery fee may be charged. This fee varies depending on the training center.

Most of these workshops are scheduled in the first half of the calendar year in order to inform users of system changes. The 1994 *MEDLARS: R&R* schedule appears in Appendix H. The schedule is subject to change and additional workshops may be added; call your Regional Online Training Center to verify the current schedule. To register for one of these workshops, please use the Request for NLM Online Training form in Appendix I. □

## Pollution Prevention and TOXNET's TRI91: Part 2

by Philip Wexler and Dorothy Stroup, Ph.D.  
Division of Specialized Information Services

TRI91 was publicly released on May 31, 1993. An article beginning on page 1 of the March-April 1993 issue of the *Technical Bulletin* described the legislative background of the Pollution Prevention Act and its effect on the TRI91 (Toxic Chemical Release Inventory - 1991) reporting requirements and data. This article presents the final version of the TRI91 Unit Record in Figure 1. It also reviews in more detail the data elements in Category 6 (Source Reduction and Recycling) and their special print options and provides some examples of printing these data. A future article will address search techniques for the numerical data included in the new category. Data elements marked with a plus (+) are either new to TRI91 or have changed in nature from previous years. Data elements marked with an R are repeating (i.e., may contain more than one occurrence of data).

The most significant changes to TRI91 are reflected in the addition of Category 6 (Source Reduction and Recycling). This category contains such data as quantity of chemical released and quantity of chemical used for energy recovery, recycling, and treatment. These figures are reported for the current year (1991) and prior year (1990), and estimates are provided for the next year (1992), and future year (1993). On-site and off-site quantities are included, as are totals that sum up all the Source Reduction and Recycling Activities for the four years. Another important field added is ARELT (Accidental Release Total), which records the total quantity of toxic chemical released directly into the environment or sent off-site for recycling, waste treatment, energy recovery, or disposal during the reporting year as a result of: 1) remedial actions; 2) catastrophic events such as earthquakes, fires, or floods; or 3) one-time events not associated with normal or routine

production processes. The complexity of the source reduction and recycling data in Category 6 prompted the development of special tabular displays in TOXNET to match the presentation of the data on EPA's Form R, the data reporting form submitted to EPA annually. Figure 2 shows the data table created for TRI91 records. Definitions for Category 6 and other data elements are available in the TRI Reference Guide (May 1993) and online, by typing EXPLAIN followed by the data element mnemonic.

After conducting a search, you may view the complete table, for each record of your retrieval set, in a variety of ways: 1) with the PRT DL or PRT ALL command; 2) with PRT SRR; or 3) with the new command, PRTTABLE. Comparing Category 6 in the Unit Record with the table (Figure 2) will reveal that each row across corresponds to a data field and its associated subfields (e.g., QREL is the field under which are indented the subfields QRELP, QRELC, QRELN, QRELF). Each such combination of field and subfields represents quantities of chemicals handled through a particular process (e.g., ONRV = on-site energy recovery) for the years 1990, 1991, 1992 (projected), and 1993 (projected). Each column clusters together subfields under mnemonics (YR90, YR91, YR92, YR93) which do not actually appear in the Unit Record but function similarly to print groups. Equivalent to these mnemonics for printing purposes are YRP, YRC, YRN, and YRF indicating respectively Past, Current, Next, and Future Years. The TOTALS at the bottom of each column represent the sums of each of the Year mnemonics for which you actually print data. Thus, if your print command was PRT YR91, the total under that column would be QRELC + ONRVC + OFRVC + ONCCC + OFCCC + ONTTC + OFTTC. However, if instead you specified PRT ONRVC OFRVC, the total under these subfields would be ONRVC + OFRVC.

Another group of data elements, related to but not appearing in the table, are the Source Reduction & Recycling Totals (SRRT) in the Unit Record. The totals for prior, current, next, and future years (SR RTP, SR RTC, SR RTN, SR RTF respectively)

are calculated by the TOXNET system and represent the column totals of source reduction and recycling activities for each of the 4 years. The totals displayed with the table are specific to the print request and these values are for viewing only. The SRRT totals, on the other hand, are true data-containing subfields, with mnemonics, and can be searched, ranged, sorted, etc.

The % Change Column in the table is calculated by the TOXNET system and represents the difference between the quantities reported for the prior year

and those reported for the current year. These changes may be positive or negative. A positive % change indicates that the current year values are greater than those for the previous year, while a negative % change indicates that current values are less than reported the prior year. The % change values will display whenever a PRINT command specifies both prior year and current year values. These % change values are only for display purposes and cannot be searched, sorted, or used in calculations.

NOTE: Categories are marked with two asterisks (\*\*), and headers with one asterisk (\*). (R) indicates that a data element is repeating, i.e., multiply-occurring. A (+) indicates a data element that is new to the TRI91 file or one for which the definition has been changed in TRI91.

0.	**	ADMINISTRATIVE INFORMATION
TRIN		TRI Number
SUBN		EPA Submission Number
YR		Reporting Year
DATE		Last Revision Date
RLEN		Record Length
1.	FACID **	FACILITY IDENTIFICATION
FACN		Facility Number
EPAR		EPA Region
FCOV		Covered Facility
FAC	*	Facility
FNM		Facility Name
FAD		Facility Street Address
FCTY		Facility City
FST		Facility State
FZIP		Facility Zip Code
FCO		Facility County
FIPS		FIPS State/County Code
PUBC		Public Contact
TEL		Public Contact Telephone Number
SIC		Standard Industrial Classification Code (R)
LAT		Latitude
LONG		Longitude
CLAT		Centroid Latitude
CLONG		Centroid Longitude

Figure 1 - TRI91 Unit Record



	FDBN		Facility Dun & Bradstreet Number (R)
	EPAN		EPA Identification Number (R)
	NPDES		NPDES Permit Number (R)
	UIC		UIC ID Number (R)
	PAR	*	Parent Company Information
	PNM		Parent Company Name
	PDBN		Parent Company Dun & Bradstreet Number (R)
2.	ID	**	SUBSTANCE IDENTIFICATION
	NAME		Name of Substance
	RN		CAS Registry Number
	SEC		Trade Secret Status
	TSNM		Trade Secret Chemical Name
	TSUM		Trade Secret Chemical Effects Summary
	MIX		Mixture Component Identity
	USE	*	Uses and Activities
	MUSE		Manufacturing Uses
	PUSE		Processing Uses
	OUSE		Other Uses and Activities
	MAX		Maximum Amount on Site
3.	EREL	**	ENVIRONMENTAL RELEASE OF CHEMICAL
	AIR	*	Air Emissions
	AIRNE		Non-Point Air Emissions Estimates
	AIRNR		Non-Point Air Release
	AIRNB		Basis of Estimate
	AIRPE		Point Air Emissions Estimates
	AIRPR		Point Air Release
	AIRPB		Basis of Estimate
	AIRT		Total Air Release
	WATER	*	Water Discharges
	WE		Water Discharge Estimates (R)
	RSTR		Receiving Stream (R)
	WR		Water Release (R)
	WB		Basis of Estimate (R)
	SPER		Percentage from Storm Water (R)
	WT		Total Water Release
	UINJ	*	Releases to Underground Injection
	UINJE		Underground Injection Estimates (R)
	UINJR		Underground Injection Release (R)
	UINJB		Basis of Estimate (R)
	UINJT		Total Underground Injection Release

Figure 1 - TRI91 Unit Record cont.

	LAND	*	Releases to Land
	LANDE		Land Release Estimates (R)
	LANDM		Disposal Method (R)
	LANDR		Land Release (R)
	LANDB		Basis of Estimate (R)
	LANDT		Total Land Release
	ERELT		Total Environmental Release of Chemical
4.	WASTE	**	WASTE TREATMENT
	TREAT		Treatment Methods/Efficiency (R)
	GWST		General Wastestream (R)
	SEQT		Sequential Treatment (R)
	INFLC		Influent Concentration (R)
	TRM		Treatment Method (R)
	TREFF		Treatment Efficiency (R)
	TRB		Basis of Treatment Data (R)
5.	OFFS	**	OFF-SITE WASTE TRANSFER
	POTW	*	Publicly Owned Treatment Works
	POTWI		POTW Identifiers (R)
	TWNM		Name (R)
	TWAD		Street Address (R)
	TWCTY		City (R)
	TWST		State (R)
	TWZIP		Zip Code (R)
	TWCO		County (R)
	TWB		Basis of Estimate (R)
	POTWT		Total POTW Transfer
	OLOC	*	Other Off-Site Locations
	OLOCI		Other Off-Site Location Identifiers (R)
	OEPAN		Off-site EPA ID (R)
	ONM		Off-site Name (R)
	OAD		Street Address (R)
	OCTY		City (R)
	OST		State (R)
	OZIP		Zip Code (R)
	OCO		County (R)
	OCTL		Control (R)
	OTRS		Off-Site Transfer Subtotals (R)
	OB		Basis of Estimate (R)
	OTM		Off-Site Treatment Method (R)
	OTR		Off-Site Location Transfer (R)
	OLOCT		Total Off-Site Locations Transfer

Figure 1 - TRI91 Unit Record cont.

6.	SRR	**	SOURCE REDUCTION AND RECYCLING (+)
	QREL		Quantity Released (+)
	QRELP		Quantity Released Prior Year (+)
	QRELC		Quantity Released Current Year (+)
	QRELN		Quantity Released Next Year (+)
	QRELF		Quantity Released Future Year (+)
	ERV	*	Energy Recovery (+)
	ONRVM		On-Site Energy Recovery Methods Current Yr (R+)
	ONRV		On-Site Energy Recovery (+)
	ONRVP		On-Site Energy Recovery Prior Year (+)
	ONRVC		On-Site Energy Recovery Current Year (+)
	ONRVN		On-Site Energy Recovery Next Year (+)
	ONRVF		On-Site Energy Recovery Future Year (+)
	OFRV		Off-Site Energy Recovery (+)
	OFRVP		Off-Site Energy Recovery Prior Year (+)
	OFRVC		Off-Site Energy Recovery Current Year (+)
	OFRVN		Off-Site Energy Recovery Next Year (+)
	OFRVF		Off-Site Energy Recovery Future Year (+)
	QRCC	*	Quantity Recycled (+)
	ONCCM		On-Site Recycling Methods Current Yr (R+)
	ONCC		On-Site Recycling (+)
	ONCCP		On-Site Recycling Prior Year (+)
	ONCCC		On-Site Recycling Current Year (+)
	ONCCN		On-Site Recycling Next Year (+)
	ONCCF		On-Site Recycling Future Year (+)
	OFCC		Off-Site Recycling (+)
	OFCCP		Off-Site Recycling Prior Year (+)
	OFCCC		Off-Site Recycling Current Year (+)
	OFCCN		Off-Site Recycling Next Year (+)
	OFCCF		Off-Site Recycling Future Year (+)
	QTRT	*	Quantity Treated (+)
	ONTRT		On-Site Treatment (+)
	ONTTP		On-Site Treatment Prior Year (+)
	ONTTC		On-Site Treatment Current Year (+)
	ONTTN		On-Site Treatment Next Year (+)
	ONTTF		On-Site Treatment Future Year (+)
	OFTRT		Off-Site Treatment (+)
	OFTTP		Off-Site Treatment Prior Year (+)
	OFTTC		Off-Site Treatment Current Year (+)
	OFTTN		Off-Site Treatment Next Year (+)
	OFTTF		Off-Site Treatment Future Year (+)
	SRRT		Source Reduction & Recycling Totals (+)
	SR RTP		Source Reduction & Recycling Total Prior Yr (+)
	SR RTC		Source Reduction & Recycling Total Current Yr (+)
	SR RTN		Source Reduction & Recycling Total Next Yr (+)
	SR RTF		Source Reduction & Recycling Total Future Yr (+)

Figure 1 - TRI91 Unit Record cont.

SREDI	Source Reduction Identifiers (+)
SREDA	Source Reduction Activities (+)
SREDM	Source Reduction Methods (+)
ARELT	Accidental Release Total (+)
PRODR	Production Ratio/Activity Index (+)
OSRR	Other Source Reduction & Recycling (+)

**Figure 1 - TRI91 Unit Record cont.**

Some SRR values are displayed online in tabular form as shown below:

	YR90 Prior(90)	YR91 Current (91)	%Change	YR92 Next(92)	YR93 Future(93)
QREL	QRELP	QRELC		QRELN	QRELF
ONRV	ONRVP	ONRVC		ONRVN	ONRVF
OFRV	OFRVP	OFRVC		OFRVN	OFRVF
ONCC	ONCCP	ONCCC		ONCCN	ONCCF
OFCC	OFCCP	OFCCC		OFCCN	OFCCF
ONTRT	ONTRTP	ONTRTC		ONTRTN	ONTRTF
OFTRT	OFTRTP	OFTRTC		OFTRTN	OFTRTF
TOTALS					

The columns contain the following data elements:

YR90 (or YRP) = QRELP, ONRVP, OFRVP, ONCCP, OFCCP, ONTRTP, and OFTRTP

YR91 (or YRC) = QRELC, ONRVC, OFRVC, ONCCC, OFCCC, ONTRTC, and OFTRTC

YR92 (or YRN) = QRELN, ONRVN, OFRVN, ONCCN, OFCCN, ONTRTN, and OFTRTN

YR93 (or YRF) = QRELF, ONRVF, OFRVF, ONCCF, OFCCF, ONTRTF, and OFTRTF

The rows contain the following data elements:

QREL = QRELP, QRELC, QRELN, and QRELF

ONRV = ONRVP, ONRVC, ONRVN, and ONRVF

OFRV = OFRVP, OFRVC, OFRVN, and OFRVF

ONCC = ONCCP, ONCCC, ONCCN, and ONCCF

OFCC = OFCCP, OFCCC, OFCCN, and OFCCF

ONTRT = ONTRTP, ONTRTC, ONTRTN, and ONTRTF

OFTRT = OFTRTP, OFTRTC, OFTRTN, and OFTRTF

**Figure 2 - Source Reduction and Recycling (SRR) Table**

Before we get too carried away in a mnemonic wonderland, let's look at some examples of Category 6 print options.

Consider the following fictitious search for facilities in Texas that recycled more than 50,000 pounds of methyl ethyl ketone on-site in 1991:

[TRI91] SS 1 /cf?

USER:

tx (fst) and methyl ethyl ketone (name) and greater than 50000 (onccc)

Search in progress

SS (1) PSTG (1)

The search retrieved one record (i.e., 1 PSTG). The series of print examples that follow are from a fictitious record but illustrate various ways of printing the tabular source reduction and recycling data.

With the PRINT HITS command the standard data fields will display (FACN, FNM, NAME, etc.) plus the data element that produced the "hit." In this example, the "hit" is the ONCCC subfield with a value greater than 50,000 pounds.

[TRI91] SS 2 /cf?

USER:

PRT HITS

1 - TRI91  
 FACN - 45212RNLDSBEEME  
 FNM - REYNOLDS & REYNOLDS, INC.  
 NAME - METHYL ETHYL KETONE  
 RN - 78-93-3  
 SUBN - 13-99-00000000-0-TX

-----  
 o ONCC - ON-SITE RECYCLING

CURRENT (91)	
ONCC	58,000

**Print Example 1: PRINT HITS**

With the PRINT HITS COMPLETE command the displayed data include the standard print items, the “hit” and its linked subfields. The On-Site Recycling Quantity for the Current Year is the “hit” and all the other on-site recycling quantities are its linked subfields. The PRINT HITS COMPLETE command, therefore, prints out the row of data values associated with on-site recycling for all four years.

[TRI91] SS 2 /cf?

USER:

PRT HITS COMPLETE

1 - TRI91  
 FACN - 45212RNLDSEEME  
 FNM - REYNOLDS & REYNOLDS, INC.  
 NAME - METHYL ETHYL KETONE  
 RN - 78-93-3  
 SUBN - 13-99-00000000-0-TX

-----  
 o ONCC - ON-SITE RECYCLING

	YR90 Prior(90)	YR91 Current(91)	% Change	YR92 Next(92)	YR93 Future(93)
ONCC	58,000	58,000	0.00%	30,000	10,000

**Print Example 2: PRINT HITS Complete**

Because each row of data values is identified by a unique mnemonic, entering a PRINT command with individual row mnemonics will display the specified rows. For example, PRT ONCC OFCC will display the two rows of data for on-site and off-site recycling in the format shown below:

```
[TRI91] SS 2 /cf?
USER:
PRT ONCC OFCC
```

```
1      - TRI91
FACN  - 45212RNLDSBEEME
FNM   - REYNOLDS & REYNOLDS, INC.
NAME  - METHYL ETHYL KETONE
RN    - 78-93-3
SUBN  - 13-99-00000000-0-TX
```

- 
- o ONCC - ON-SITE RECYCLING
  - o OFCC - OFF-SITE RECYCLING

	YR90 Prior(90)	YR91 Current (91)	% Change	YR92 Next(92)	YR93 Future(93)
ONCC	58,000	58,000	0.00%	30,000	10,000
OFCC	3,000	3,000	0.00%	0	0
TOTALS	61,000	61,000	0.00%	30,000	10,000

(Note: The column totals are generated by the system for display purposes only and are specific for the data displayed; in this example the totals include only the recycling data.)

**Print Example 3: PRINTing Individual Rows**



Each column is identified by a unique mnemonic and can be displayed individually or in combinations by specifying the individual column mnemonics in the PRINT command. The Prior Year column can be specified as YRP (or for the TRI91 file as YR90) and YRC will identify the current reporting year (YR91 for the TRI91 file). The PRT YRP YRC command will display the two columns of data values for the prior and current reporting years as shown below:

[TRI91] SS 2 /cf?

USER:

PRT YRP YRC

```

1      -      TRI91
FACN  -      45212RNLDSBEEME
FNM   -      REYNOLDS & REYNOLDS, INC.
NAME  -      METHYL ETHYL KETONE
RN    -      78-93-3
SUBN  -      13-99-00000000-0-TX
    
```

- o QREL - QUANTITY RELEASED
- o ONRV - ON-SITE ENERGY RECOVERY
- o OFRV - OFF-SITE ENERGY RECOVERY
- o ONCC - ON-SITE RECYCLING
- o OFCC - OFF-SITE RECYCLING
- o ONTRT- ON-SITE TREATMENT
- o OFTRT- OFF-SITE TREATMENT

	YR90 Prior(90)	YR91 Current(91)	%Change
QREL	96,000	78,000	-8.33%
ONRV	80,000	55,000	-31.25%
OFRV	14,000	18,000	28.7%
ONCC	58,000	58,000	0.00%
OFCC	3,000	3,000	0.00%
ONTRT	0	0	0.00%
OFTRT	0	0	0.00%
TOTALS	251,000	212,000	-15.54%

(Note: The column totals are generated by the system for display purposes only and are specific for the data displayed; in this example, the totals will display only for the prior and current years)

**Print Example 4: PRINTing Specific Columns**

Because each data value is uniquely identified by a mnemonic, a PRINT command can be used to specify the display of individual values singly or in combinations. For example, PRT ONRVC ONCCC ONTTC will display the on-site quantities used in energy recovery, recycling and treatment for the current reporting year in the format shown below:

[TRI91] SS 2 /cf?

USER:

PRT ONRVC ONCCC ONTTC

1 - TRI91  
 FACN - 45212RNLDSEBEEME  
 FNM - REYNOLDS & REYNOLDS, INC.  
 NAME - METHYL ETHYL KETONE  
 RN - 78-93-3  
 SUBN - 13-99-00000000-0-TX

- 
- o ONRV - ON-SITE ENERGY RECOVERY
  - o ONCC - ON-SITE RECYCLING
  - o ONTRT- ON-SITE TREATMENT

YR91 Current(91)	
ONRV	55,000
ONCC	58,000
ONTRT	0
TOTALS	113,000

(Note: The column total is generated by the system for display purposes only and is specific for the data displayed; in this example the total displayed is the sum of ONRVC plus ONCCC plus ONTRT.)

**Print Example 5: PRINTing Specific Values**

The special command PRINT TABLE will display the entire table of data values for source reduction and recycling activities in the format shown below:

[TRI91] SS 2 /cf?

USER:

PRT TABLE

1 - TRI91  
 FACN - 45212RNLDSBEEME  
 FNM - REYNOLDS & REYNOLDS, INC.  
 NAME - METHYL ETHYL KETONE  
 RN - 78-93-3  
 SUBN - 13-99-00000000-0-TX

- o QREL - QUANTITY RELEASED
- o ONRV - ON-SITE ENERGY RECOVERY
- o OFRV - OFF-SITE ENERGY RECOVERY
- o ONCC - ON-SITE RECYCLING
- o OFCC - OFF-SITE RECYCLING
- o ONTRT- ON-SITE TREATMENT
- o OFTRT- OFF-SITE TREATMENT

	YR90 Prior(90)	YR91 Current(91)	%Change	YR92 Next(92)	YR93 Future(93)
QREL	96,000	78,000	-8.33%	50,000	10,000
ONRV	80,000	55,000	-31.25%	34,000	10,000
OFRV	14,000	18,000	28.57%	12,000	0
ONCC	58,000	58,000	0.00%	30,000	10,000
OFCC	3,000	3,000	0.00%	0	0
ONTRT	0	0	0.00%	0	0
ONFTRT	0	0	0.00%	0	0
TOTALS	251,000	212,000	-15.54%	126,000	30,000

(Note: The column totals are generated by the system and are for display purposes only and will be specific for the data printed. In this example, with the entire table displayed, the totals that are generated are the same as those in the SRRT field.)

**Print Example 6: PRINT TABLE**

**CONCLUSION**

TRI91 gives TOXNET users an unprecedented opportunity to analyze the steps industrial facilities around the country are taking to minimize and prevent pollution. The new TABLE feature was designed to

present complex data in a manner more visually palatable than a one-dimensional array. A review of searching, ranging, sorting, and calculating numeric values in TRI, especially in Category 6, will be covered in a future *Technical Bulletin* article. □

## Gold Standard Search

Thank you to everyone who mailed in search strategies in response to the "Gold Standard Searches" article in the March-April 1993 issue of the *Technical Bulletin*. This feature offers searchers a chance to match wits with the NLM "experts" on a search strategy formulation. The Gold Standard Search strategies are developed here at NLM. The search request published in the March-April 1993 issue was:

### **Predictors of long-term success in the maintenance of weight loss.**

There was one winner! Our congratulations go to George Kerkemeyer, a physician from Hannibal, MO, who did his search using Grateful Med. However, even though Dr. Kerkemeyer used Grateful Med, he used some direct search features, so his strategy is shown in this article translated into a direct search as well as on the Grateful Med Input form screen. The second Subject line on the Input form screen begins with a forward slash; using the slash (/) followed by the correct NLM computer command language overrides the normal formatting done by Grateful Med on the line and allows the searcher to take advantage of more sophisticated searching techniques. The user must be familiar with the NLM system command language to take full advantage of this feature. (See the Grateful Med 6.0 User's Guide 3.2.4 or the Macintosh 2.0 User's Guide 4.5 for more details.) The Gold Standard Search strategy is shown in Figure 1; Dr. Kerkemeyer's strategy is shown in Figures 2A and 2B.

### **Analysis of the Search Strategies**

The Gold Standard Search retrieved 58 relevant citations. Dr. Kerkemeyer's search strategy retrieved 50 citations. Each strategy retrieved a few marginal citations, but for the most part the

retrieval in each strategy was on target. Dr. Kerkemeyer was offered his choice of a free copy of Grateful Med or one hour of free search time and selected a credit for the search time. The Gold Standard Search had 34 unique citations; Dr. Kerkemeyer's search showed 26 unique citations and there was a central core of 24 articles that both strategies retrieved. The entries this month were, on the whole, very good. Most people retrieved at least 50 citations of reasonably good quality. However, the ways in which people combined MeSH headings and subheadings were not always optimal.

### **Choosing a File**

There was no question, that for this search, MEDLINE was the correct file and, in fact, all entries received were searches performed in MEDLINE. The question of weight loss is a clinical issue and so for this Gold Standard Search the choice of file was clear cut.

### **Search Strategy Suggestions**

The basic search strategy for this search was simple. At a minimum, a good search strategy should have included combining the MeSH headings OBESITY and WEIGHT GAIN with WEIGHT LOSS and DIET, REDUCING and the Subheading Pre-explosion THERAPY. This combination of headings yields a large number of citations and the creative part of the search is trying to incorporate the concepts of long-term success or maintenance. The MeSH headings OUTCOME ASSESSMENT (HEALTH CARE), FOLLOW-UP STUDIES, and EVALUATION STUDIES, are appropriate to narrow down the retrieval and cover the idea of long-term weight loss.

However, even starring \*OBESITY (thereby limiting the search to citations where obesity is the main point of the article) and combining it with the MeSH headings listed above, still yields over 230 citations in the MEDLINE file. Therefore, it is

necessary to use Text Word searching to narrow down the search retrieval further. The Gold Standard Search used text word combinations such as "long" and "term" or "all maintain:" or "maintenance." Majlen Helenius of Yale University also included the truncated Text Words success: and predict:.

Weight loss terms should have been combined with an OBESITY heading in order to eliminate references that referred to weight loss as a result of an illness. In this search it was not necessary to EXPLODE OBESITY, because the MeSH headings PICKWICKIAN SYNDROME and PRADER WILLI SYNDROME farther down the tree do not contribute relevant citations to the retrieval.

Direct searchers could use the online TREE command to see all the terms listed under OBESITY. Grateful Med searchers using Version 6.0 would key in the word 'obesity' on a subject line, hit the F10 key to bring up the MeSH listing and then hit F5 to see the terms in the MeSH tree. Grateful Med searchers using Version 2.0 on the Macintosh would also key in the word 'obesity' on a subject line, click on the Find MeSH Term box and then click on the triangle next to OBESITY to see the rest of the terms in the tree.

One of the ways that people used to narrow their retrieval that may have eliminated relevant citations was to combine the concepts of weight loss and obesity with a third concept such as exercise or counseling or self image. Within the context of this Gold Standard Search competition, such a strategy will produce acceptable retrieval and the numbers are within the limits, but all the citations will necessarily be related to that one concept used to narrow the search. This will produce a list of citations with a particular focus (e.g., exercise); again, this may or may not be okay, depending on whether your intention was to retrieve only articles on exercise and weight loss maintenance and possibly to eliminate relevant articles on counseling, for example, and weight loss maintenance. The

search topic as stated, did not indicate that any one particular concept was being sought as an answer to the question.

Once again, thanks to all who submitted entries and thank you for the kind comments about how much you enjoy this feature.

The topic for the next Gold Standard Search:

**The use of RU 486 in humans. First find the earliest citation in the MEDLINE files and then find the articles published in 1993.**

Results will be published in the November-December 1993 *Technical Bulletin*. Entries must be received by October 15, 1993 to be considered.

If you mail us a copy of your search strategy with a printout of citations and abstracts and your strategy is selected for publication you could win either a copy of Grateful Med or one hour of free search time. In cases of multiple submissions of identical winning strategies, the first one to arrive across the editor's desk is the prize winner. [Editor's note: This has never happened. Every search strategy received, winners and non-winners, has been unique, demonstrating no two searchers ever seem to think exactly alike.]

### **Search hints for direct searchers**

Select your database carefully. Limit your retrieval to English language citations.

### **Search hints for Grateful Med users**

Select your database carefully. Remember to use the F10 key to look at MeSH headings. Users with the Macintosh version of Grateful Med should view MeSH headings by clicking on Find MeSH Term on the search screen. Limit your retrieval to English.

Please send a copy of your search strategy with the retrieval, including printed abstracts, which database was searched and whether you searched directly or using Grateful Med to:

Gold Standard Searches  
MEDLARS Management Section  
National Library of Medicine  
8600 Rockville Pike  
Bethesda, MD 20894 ☐

PROG:  
YOU ARE NOW CONNECTED TO THE MEDLINE (1990 - 93) FILE.

SS 1 /C?  
USER:  
\*obesity or \*obesity, morbid

PROG:  
SS (1) PSTG (2867)

SS 2 /C?  
USER:  
1 and th& (px)

PROG:  
SS (2) PSTG (1084)

SS 3 /C?  
USER:  
1 or weight gain

PROG:  
SS (3) PSTG (4928)

SS 4 /C?  
USER:  
weight loss or diet, reducing

PROG:  
SS (4) PSTG (1804)

SS 5 /C?  
USER:  
3 and 4

PROG:  
SS (5) PSTG (732)

SS 6 /C?  
USER:  
exp outcome assessment (health care) or follow-up studies or

**Figure 1 - Gold Standard Search Strategy**

PROG:  
CNT 6

USER:  
evaluation studies or exp time

PROG:  
SS (6) PSTG (103342)

SS 7 /C?  
USER:  
5 and 6 or 2 and 6

PROG:  
SS (7) PSTG (236)

SS 8 /C?  
USER:  
(tw) long and term or all maintain: or maintenance

PROG:  
SS (8) PSTG (52579)

SS 9 /C?  
USER:  
7 and 8

PROG:  
SS (9) PSTG (72)

SS 10 /C?  
USER:  
ts (la) :eng: and :human: (mh)

- Stringsearching is cost-effective only when the retrieval is 150 or fewer.

PROG:  
SS (10) PSTG (58)

**Figure 1 - Gold Standard Search Strategy cont.**

Figure 2A is not available in electronic format.

**Figure 2A - Dr. Kerkemeyer's Search on the Grateful Med Input Form Screen**

PROG:  
YOU ARE NOW CONNECTED TO THE MEDLINE (1990 - 93) FILE.

SS 1 /C?  
USER:  
follow-up studies or exp treatment outcome

PROG:  
SS (1) PSTG (36727)

SS 2 /C?  
USER:  
th& (px) and exp \*obesity

PROG:  
SS (2) PSTG (1160)

SS 3 /C?  
USER:  
\*weight loss or \*diet, reducing

PROG:  
SS (3) PSTG (834)

**Figure 2B - Dr. Kerkemeyer's Strategy as a Command Language Search**



SS 4 /C?  
USER:  
1 and 2 and 3

PROG:  
SS (4) PSTG (54)

SS 5 /C?  
USER:  
4 and not for (1a)

PROG:  
SS (5) PSTG (50)

**Figure 2B - Dr. Kerkemeyer's Strategy as a Command Language Search cont.**

## Revised PDQ User Guide Available

A revised PDQ User Guide became available August 4, 1993 by ftp on the Internet, by electronic mail on the Internet, and by fax through NCI's CancerFax service. The revised Guide has been updated to reflect the recent changes in the menus in PDQ. It replaces version 4.0 of the User Guide, which was published in April 1992. The following instructions are for obtaining the User Guide.

### FTP Access

The User Guide is available as an ASCII text file by anonymous ftp from the National Library of Medicine's anonymous FTP server at the following address:

nlnpubs.nlm.nih.gov

Logon as nlnpubs, using your e-mail address as the password. The PDQ file is stored in the online directory in nlnpubs under the name pdq.txt. There is no cost for this service.

### Electronic Mail

For users without access to ftp, but with access to Internet mail or fax, the User Guide is also available through the NCI's CancerNet and CancerFax services. Because of the length of the User Guide, it is available in five parts on both CancerFax and CancerNet.

#### Part I:

- Section 1 - What is PDQ?
- Section 2 - Connecting to PDQ
- Section 3 - Basics of Using PDQ
- Section 4 - Searching Cancer Information Summaries

#### Part II:

- Section 5 - Searching Protocols

#### Part III:

- Section 6 - Searching Directories
- Section 7 - Additional Search Techniques

#### Part IV:

- Section 8 - Behind the Scenes
- Section 9 - Hints for Information Professionals

#### Part V:

- Appendix A - Troubleshooting in PDQ
- Appendix B - Sample PDQ Protocol Record
- Appendix C - Protocol ID Acronyms
- Appendix D - PDQ Directory Criteria
- Appendix E - Continuing Medical Education Credit
- Appendix F - PDQ Search Worksheet

To receive the sections via electronic mail from CancerNet, simply send an electronic mail message to [cancernet@icicb.nci.nih.gov](mailto:cancernet@icicb.nci.nih.gov) with the subject line blank and one or more of the following CancerNet IDs in the body of the message:

User Guide Part	CancerNet ID
Part I .....	cn-400050
Part II .....	cn-400051
Part III .....	cn-400052
Part IV .....	cn-400053
Part V .....	cn-400054

For example, if you wanted only the first part of the User Guide, address your message as follows:

To: [cancernet@icicb.nci.nih.gov](mailto:cancernet@icicb.nci.nih.gov)  
 Subject: < Leave this blank >  
 cn-400050 <this is the body of the message..>

If you wanted all five parts of the User Guide, address your message as follows:

To: [cancernet@icicb.nci.nih.gov](mailto:cancernet@icicb.nci.nih.gov)  
 Subject: < Leave this blank >  
 cn-400050 <message body>  
 cn-400051  
 cn-400052  
 cn-400053  
 cn-400054

CancerNet will return the requested information to you via electronic mail within approximately 10 minutes (each part requested will be a separate message back to you). There is no cost for this service.

**Fax Access**

For fax access, call the CancerFax at (301) 402-5874 from the telephone on a fax machine and follow the voice prompts (press 1 for English at the first voice prompt). [Note: The fax machine must be set to touch tone dialing.] The CancerFax IDs for the User Guide are as follows:

User Guide Part	CancerFax ID
Part I .....	400050
Part II .....	400051
Part III .....	400052
Part IV .....	400053
Part V .....	400054

After punching in one of the above numbers, the CancerFax voice will confirm your selection, tell you how many pages will be faxed back to you, and prompt you to push the “start/copy” or “receive” button on your fax machine and hang up. The information will then be faxed to you immediately. Multiple parts cannot be requested in one telephone call. The only cost is the charge of the telephone call to Bethesda, MD.

In the immediate future, the PDQ User Guide will not be available as a printed product. Future updates to the User Guide will be available immediately on the NLM ftp server, CancerFax, and CancerNet as changes are made to the menus and searching options in PDQ. Users with trouble accessing the User Guide through any of the above mechanisms may call the PDQ Service Desk at (301) 496-7403. □

## SERIALS UPDATE

### INDEXED TITLES UPDATED, MAY-JUNE 1993

The following titles cited in MEDLINE and HEALTH have recently been selected for indexing, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last UPDATE.

More detailed information may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

### TITLES SELECTED FOR INDEXING, MAY-JUNE 1993

- |     |   |     |   |
|-----|---|-----|---|
| INI | <p>CANCER PRACTICE<br/>CANCER PRACT<br/>1N1,MAY-JUN 1993—<br/>J.B. LIPPINCOTT FOR THE AMERICAN CANCER SOCIETY<br/>PHILADELPHIA PA                    UNITED STATES<br/>INDEXING BEGAN WITH V1N1,MAY/JUNE 1993.<br/>ON ORDER                            1065-4704<br/>SR0075346                            JC: BSL</p> | HLI | <p>PAPER SERIES / UNITED HOSPITAL FUND OF NEW YORK<br/>PAP SER UNITED HOSP FUND N Y<br/>1,FEB 1985—<br/>UNITED HOSPITAL FUND OF NEW YORK<br/>NEW YORK NY                    UNITED STATES<br/>CALLED ALSO: UNITED HOSPITAL FUND PAPER SERIES. VOL. 10 NEVER PUBLISHED.<br/>INDEXING BEGAN WITH V1,FEB 1985.<br/>W1 PA555D                            0898-3135<br/>SR0057466                            JC: BSH</p> |
|-----|---|-----|---|

### TITLE CHANGES, MAY-JUNE 1993

- |    |   |                  |  |
|----|---|------------------|--|
| IM | <p>ARCHIVIO ITALIANO DI UROLOGIA, ANDROLOGIA<br/>ARCH ITAL UROL ANDROL<br/>65N1,MAR 1993—<br/>MASSON ITALIA PERIODICI<br/>MILANO                            ITALY<br/>CALLED ALSO: ARCHIVIO ITALIANO DI UROLOGIA E ANDROLOGIA. COVER TITLE: UROLOGICAL AND ANDROLOGICAL SCIENCES. ORGANO UFFICIALE: SOCIETA ITALIANA DI ECOGRAFIA UROLOGICA E NEFROLOGICA.<br/>CONTINUES: ARCHIVIO ITALIANO DI UROLOGIA,NEFROLOGIA, ANDROLOGIA.<br/>INDEXING BEGAN WITH V65N1,MAR 1993.<br/>W1 AR596KE<br/>SR0077194                            JC: BR3</p> | IM               | <p>FIZIOLOGICHESKII ZHURNAL IMENI I. M. SECHENOVA<br/>FIZIOL ZH IM I M SECHENOVA<br/>78,1992—<br/>NAUKA, S-PETERBURGSKOE OTDNE<br/>S PETERBURG                    RUSSIA<br/>OTHER TITLE: SECHENOV PHYSIOLOGICAL JOURNAL.<br/>CONTINUES: FIZIOLOGICHESKII ZHURNAL SSSR IM. I.M. SECHENOVA.<br/>INDEXING BEGAN WITH V78N1,JAN 1992.<br/>W1 FI817SM<br/>SR0077210                            JC: BR8</p> |
| IM | <p>BIOLOGICAL RESEARCH<br/>BIOL RES<br/>25,1992—<br/>SOCIETY OF BIOLOGY OF CHILE<br/>SANTIAGO                            CHILE<br/>OFFICIAL ORGAN OF THE SOCIETY OF BIOLOGY OF CHILE.<br/>CONTINUES: ARCHIVOS DE BIOLOGIA Y MEDICINA EXPERIMENTALES.<br/>INDEXING BEGAN WITH V25N1,1992.<br/>W1 BI754PD                            0716-9760<br/>SR0077215                            JC: BSA</p>   | IM<br>AIM<br>HLI | <p>HOSPITALS AND HEALTH NETWORKS<br/>HOSP HEALTH NETW<br/>67N11,JUN 5 1993—<br/>AMERICAN HOSPITAL PUBLISHING<br/>CHICAGO IL                            UNITED STATES<br/>CONTINUES: HOSPITALS.<br/>INDEXING BEGAN WITH V67N11,JUN 5 1993.<br/>IN PROCESS<br/>SR0077596                            JC: BSQ</p>  |

**TITLE CHANGES, MAY-JUNE 1993**

- |   |  |
|---|--|
| <p>IM NIH CONSENSUS STATEMENT<br/>NIH CONSENSUS STATEMENT<br/>10N3,SEP 14-16,1992—<br/>NATIONAL INSTITUTES OF HEALTH, OFFICE OF<br/>MEDICAL APPLICATIONS OF RESEARCH<br/>BETHESDA MD UNITED STATES<br/>EACH ISSUE HAS ALSO A DISTINCTIVE TITLE.<br/>CONTINUES: CONSENSUS STATEMENT.<br/>INDEXING BEGAN WITH V10N3,SEP 14-16,1992.<br/>W1 N135<br/>SR0077202 JC: BR6</p> | <p>IM REVISTA DA ASSOCIACAO MEDICA<br/>BRASILEIRA<br/>REV ASSOC MED BRAS<br/>38N1,JAN/MAR 1992?—<br/>ASSOCIACAO MEDICA BRASILEIRA<br/>SAO PAULO BRAZIL<br/>CALLED ALSO: JOURNAL OF THE BRAZILIAN<br/>MEDICAL ASSOCIATION.<br/>CONTINUES: AMB / REVISTA DA ASSOCIACAO<br/>MEDICA BRASILEIRA.<br/>INDEXING BEGAN WITH V38,1992.<br/>W1 RE366RM<br/>SR0077196 JC: BR5</p> |
|---|--|

**TITLES NO LONGER INDEXED, MAY-JUNE 1993**

- |   |  |
|---|--|
| <p>IM NEW BIOLOGIST<br/>NEW BIOL<br/>1N1,OCT 1989-4N5,MAY 1992<br/>W.B. SAUNDERS<br/>PHILADELPHIA PA UNITED STATES<br/>VOL. 1 (1989) COMPLETE IN THREE ISSUES.<br/>INDEXING BEGAN WITH V1N1,OCT 1989.<br/>W1 NE3683 1043-4674<br/>SR0065658 JC: AZH</p>   | <p>IM INVESTIGATIVE UROLOGY<br/>INVESTIG UROL (BERL)<br/>2,1987-4,1991<br/>SPRINGER-VERLAG<br/>BERLIN GERMANY<br/>PRECEDED BY AN UNNUMBERED VOLUME<br/>PUBLISHED 1985 WITH TITLE: EXPERIMENTELLE<br/>UROLOGIE, WHICH IS CATALOGED AS A<br/>MONOGRAPH AT NLM. CONTAINS PAPERS FROM<br/>SYMPOSIA OF THE WORKING GROUP ON<br/>EXPERIMENTAL UROLOGY OF THE GERMAN<br/>SOCIETY OF UROLOGY, 1987- .<br/>INDEXING BEGAN WITH V5,1993.<br/>W1 IN993P<br/>SR0069174 JC: BRH</p> |
| <p>IM PROGRESS IN MEDICAL GENETICS<br/>PROG MED GENET<br/>1,1961-10,1974;NS1,1976-7,1988<br/>ELSEVIER<br/>NEW YORK NY UNITED STATES<br/>IMPRINT VARIES: PHILADELPHIA: SAUNDERS,<br/>NEW SERIES VOLS. 1-5 (1976-83); NEW YORK:<br/>PRAEGER VOL. 6 (1985); NEW YORK: ELSEVIER,<br/>VOL. 7 (1988)<br/>INDEXING FOR ONLINE FILES BEGAN WITH<br/>V.4,1965.<br/>W1 PR6709 0079-6441<br/>P48080000 JC: Q37</p> |  |



**REVISED**  
**1993 WEEKLY UPDATE SCHEDULE FOR MEDLINE**

← Indicates a revision in the schedule.

<u>Entry</u> <u>Month</u>	<u>Updated MEDLINE</u> <u>Available</u>	<u>Date of Entry</u> <u>(DA) Ranges</u>
9301 (EM)	Dec 14	921023-921125*
9302 (EM)	Dec 26	921126-921224
9303 (EM)		
Part 1	Jan 2	921224-921230
Part 2	Jan 9	921231-930107
Part 3	Jan 16	930108-930114
Part 4	Jan 23	930115-930121
Part 5	Jan 30	930122-930128
9304 (EM)		
Part 1	Feb 6	930129-930204
Part 2	Feb 13	930205-930211
Part 3	Feb 20	930212-930218
Part 4	Feb 27	930219-930225
9305 (EM)		
Part 1	Mar 6	930226-930304
Part 2	Mar 13	930305-930311
Part 3	Mar 20	930312-930318
Part 4	Mar 27	930319-930325
9306 (EM)		
Part 1	Apr 3	930326-930401
Part 2	Apr 10	930402-930408
Part 3	Apr 17	930409-930415
Part 4	Apr 24	930416-920422
9307 (EM)		
Part 1	May 1	930423-930429
Part 2	May 8	930430-930506
Part 3	May 15	930507-930513
Part 4	May 22	930514-930520
Part 5	May 29	930521-930527

9308 (EM)		
Part 1	Jun 5	930528-930603
Part 2	Jun 12	930604-930610
Part 3	Jun 19	930611-930617
Part 4	Jun 26	930618-930624
9309 (EM)		
Part 1	Jul 3	930625-930701
Part 2	Jul 10	930702-930708
Part 3	Jul 17	930709-930715
Part 4	Jul 24	930716-930722
Part 5	Jul 31	930723-930729
9310 (EM)		
Part 1	Aug 7	930730-930805
Part 2	Aug 14	930806-930812
Part 3	Aug 21	930813-930819
Part 4	Aug 28	930820-930826
9311 (EM)		
Part 1	Sep 4	930827-930902
Part 2	Sep 11	930903-930909
Part 3	Sep 18	930910-930916
Part 4	Sep 25	930917-930923
9312 (EM)		
Part 1	Oct 2	930924-930930
Part 2	Oct 9	931001-931007
Part 3	Oct 16	931008-931014
Part 4	Oct 23	931015-931021 ←
9401 (EM)	Dec.13	931022-931124* ←

\*Modified because of holiday

Search hint: If a patron wants weekly updates to a search, use the pattern shown below where SS 1: represents your completed search strategy.

On August 7 - SS 1: AND 9310 (EM)  
 On August 14 - SS 1: AND 9310 (EM) AND FROM 930806 TO 930812 (DA)  
 On August 21 - SS 1: AND 9310 (EM) AND FROM 930813 TO 930819 (DA)  
 On August 28 - SS 1: AND 9310 (EM) AND FROM 930820 TO 930826 (DA)



**REVISED**  
**1993 MONTHLY UPDATE SCHEDULE FOR NLM DATABASES**

← Indicates a revision in the schedule.

Entry Month	SDILINE Available	HEALTH/ BIOTECHSEEK Available	POPLINE/ CANCERLIT Available	TOXLINE/LIT Available	
9301	Dec 14	Dec 14	Jan 9	Jan 9	
9302	Dec 26	Jan 2	Feb 6	Feb 13	
9303	Jan 30	Feb 6	Mar 6	Mar 13	
9304	Feb 27	Mar 6	Apr 3	Apr 10	
9305	Mar 27	Apr 3	May 4 (CANCERLIT) May 8 (POPLINE)	May 8	
9306	Apr 24	May 1	Jun 5	Jun 12	
9307	May 29	Jun 5	Jul 3	Jul 10	
9308	Jun 26	Jul 3	Aug 7	Aug 14	
9309	Jul 31	Aug 7	Sep 4	Sep 11	
9310	Aug 28	Sep 4	Oct 2 (CANCERLIT) Oct 9 (POPLINE)	Oct 9	←
9311	Sep 25	Oct 2	Nov 6	Nov 13	
9312	Oct 23	Nov 6	Dec 13	Dec 13	←

December updates for POPLINE, CANCERLIT, AND TOXLINE/TOXLIT are subject to change.

For MEDLINE updates, see the "1993 Weekly Update Schedule for MEDLINE."

For AIDSLINE updates, see the "1993 Update Schedule for AIDSLINE."



**REVISED**  
**1993 UPDATE SCHEDULE FOR AIDSLINE**

← Indicates revision in schedule.

<u>Entry Month</u>	<u>Updated AIDSLINE Available</u>
9301 (EM)	Jan.2
9302 (EM)	Jan 2
9303 (EM)	
Part 1	Jan 2
Part 2	Jan 9
Part 3	Jan 16
Part 4	Jan 23
Part 5	Jan 30
Part 6	Feb 9*
9304 (EM)	
Part 1	Feb 6
Part 2	Feb 13
Part 3	Feb 20
Part 4	Feb 27
Part 5	Mar 9*
9305 (EM)	
Part 1	Mar 6
Part 2	Mar 13
Part 3	Mar 20
Part 4	Mar 27
Part 5	Apr 6*
9306 (EM)	
Part 1	Apr 3
Part 2	Apr 10
Part 3	Apr 17
Part 4	Apr 24
Part 5	May 5*
9307 (EM)	
Part 1	May 1
Part 2	May 8
Part 3	May 15
Part 4	May 22
Part 5	May 29
Part 6	Jun 8*

9308 (EM)	
Part 1	Jun 5
Part 2	Jun 12
Part 3	Jun 19
Part 4	Jun 26
Part 5	Jul 6*
9309 (EM)	
Part 1	Jul 3
Part 2	Jul 10
Part 3	Jul 17
Part 4	Jul 24
Part 5	Jul 31
Part 6	Aug 10*
9310 (EM)	
Part 1	Aug 7
Part 2	Aug 14
Part 3	Aug 21
Part 4	Aug 28
Part 5	Sep 7*
9311 (EM)	
Part 1	Sep 4
Part 2	Sep 11
Part 3	Sep 18
Part 4	Sep 25
Part 5	Oct 5*
9312 (EM)	
Part 1	Oct 2
Part 2	Oct 9
Part 3	Oct 16
Part 4	Oct 23
Part 5	Nov 9* ←

\*The last update portion includes data derived from HEALTH, CANCERLIT, CATLINE, and AVLINE. The other update portions are the MEDLINE-derived data. Please note that the last update portion to complete the Entry Month routinely occurs about 3 days after Part 1 of the next Entry Month is added, e.g., Part 6 of 9309 (EM) is added August 10, after Part 1 of 9310 (EM) which is added on August 7.

1994 NLM ONLINE SERVICES TRAINING SCHEDULE

APPENDIX D

FUNDAMENTALS OF MEDLARS SEARCHING

(3-DAY CLASS)

Legend:  
 + module taught by Eastern Online Training Center  
 # module taught by Midlands Online Training Center  
 \* module taught by Western Online Training Center

DATES	LOCATION	DATES	LOCATION
JAN 10-12	BETHESDA, MD	JUL 11-13	BETHESDA, MD
JAN 24-26	LOS ANGELES, CA *	JUL 18-20	CHICAGO, IL #
		JUL 18-20	LOS ANGELES, CA *
		JUL 25-27	PITTSBURGH, PA +
FEB 7-9	NEW YORK, NY +	AUG 1-3	OMAHA, NE #
FEB 8-10	HOUSTON, TX #	AUG 15-17	SEATTLE, WA *
FEB 14-16	BETHESDA, MD	AUG 22-24	BALTIMORE, MD +
MAR 14-16	DETROIT, MI #	SEP 19-21	BETHESDA, MD
MAR 14-16	NEW YORK, NY +	SEP 20-22	CHICAGO, IL #
MAR 21-23	BETHESDA, MD	SEP 26-28	NEW YORK, NY +
MAR 21-23	SEATTLE, WA *		
APR 5-7	FT. WORTH, TX #	OCT 3-5	LOS ANGELES, CA *
APR 18-20	BOSTON, MA +	OCT 17-19	BETHESDA, MD
APR 25-27	LOS ANGELES, CA *		
MAY 9-11	ATLANTA, GA +	NOV 14-16	FARMINGTON, CT +
		NOV 14-16	HOUSTON, TX #
		NOV 14-16	PORTLAND, OR *
JUN 6-8	BETHESDA, MD	DEC 12-14	CHAPEL HILL, NC +
JUN 7-9	ST. LOUIS, MO #		
JUN 27-29	GAINESVILLE, FL +		

**ALL FUNDAMENTALS OF MEDLARS SEARCHING CLASSES ARE FREE.**



**1994 NLM ONLINE SERVICES TRAINING SCHEDULE  
SPECIALIZED MODULES**

**Legend:**

A.M. module taught in the morning

P.M. module taught in the afternoon

If no A.M./P.M. indicator is present the class is a full day.

+ module taught by Eastern Online Training Center  
(two-day module=\$85; one-day module=\$85; half-day module=\$45)# module taught by Midlands Online Training Center  
(two-day module=\$85; one-day module=\$65; half-day module=\$40)\* module taught by Western Online Training Center  
(two-day module=\$75; one-day module=\$65; half-day module=\$45)

no indicator means class taught by NLM

<b>DATES</b>		<b>MODULE</b>	<b>LOCATION</b>
JAN 13-14		CHEM/TOX/TOXNET	BETHESDA, MD
JAN 27		MEDLINE/MeSH/HEALTH	LOS ANGELES, CA *
JAN 28	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	LOS ANGELES, CA *
JAN 31		MEDLINE/MeSH/HEALTH	BETHESDA, MD
FEB 1	A.M.	CANCERLIT/PDQ	BETHESDA, MD
FEB 1	P.M.	BIOTECHNOLOGY	BETHESDA, MD
FEB 2	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	BETHESDA, MD
FEB 2	P.M.	POPLINE/BIOETHICS/HISTLINE	BETHESDA, MD
FEB 3		TECHNICAL SERVICES DATABASES	BETHESDA, MD
FEB 11		MEDLINE/MeSH/HEALTH	HOUSTON, TX #
FEB 17-18		CHEM/TOX/TOXNET	BETHESDA, MD
MAR 17	A.M.	CANCERLIT/PDQ	DETROIT, MI #
MAR 17	P.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	DETROIT, MI #
MAR 17		MEDLINE/MeSH/HEALTH	NEW YORK, NY +
MAR 18	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	NEW YORK, NY +
MAR 24-25		CHEM/TOX/TOXNET	BETHESDA, MD
MAR 24		MEDLINE/MeSH/HEALTH	SEATTLE, WA *
MAR 25	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	SEATTLE, WA *
APR 18		MEDLINE/MeSH/HEALTH	BETHESDA, MD
APR 19	A.M.	CANCERLIT/PDQ	BETHESDA, MD
APR 19	P.M.	BIOTECHNOLOGY	BETHESDA, MD
APR 20	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	BETHESDA, MD
APR 20	P.M.	POPLIE/BIOETHICS/HISTLINE	BETHESDA, MD
APR 21		TECHNICAL SERVICES DATABASES	BETHESDA, MD
APR 21-22		CHEM/TOX/TOXNET	BOSTON, MA +
APR 28	A.M.	CANCERLIT/PDQ	LOS ANGELES, CA *
APR 29	A.M.	BIOTECHNOLOGY	LOS ANGELES, CA *

NO SPECIALIZED MODULES IN MAY

## 1994 - SPECIALIZED MODULES (cont'd)

DATES		MODULE	LOCATION
JUN 9-10		CHEM/TOX/TOXNET	BETHESDA, MD
JUN 10	A.M.	CANCERLIT/PDQ	ST. LOUIS, MO #
JUN 10	P.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	ST. LOUIS, MO #
JUN 30-JUL 1		CHEM/TOX/TOXNET	GAINESVILLE, FL +
JUL 14-15		CHEM/TOX/TOXNET	BETHESDA, MD
JUL 21-22		CHEM/TOX/TOXNET	CHICAGO, IL #
JUL 21-22		CHEM/TOX/TOXNET	LOS ANGELES, CA *
JUL 28	A.M.	CANCERLIT/PDQ	PITTSBURGH, PA +
JUL 28	P.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	PITTSBURGH, PA +
AUG 4	A.M.	CANCERLIT/PDQ	OMAHA, NE #
AUG 4	P.M.	BIOTECHNOLOGY	OMAHA, NE #
AUG 5		MEDLINE/MeSH/HEALTH	OMAHA, NE #
AUG 18		TOXNET	SEATTLE, WA *
AUG 19	A.M.	CANCERLIT/PDQ	SEATTLE, WA *
AUG 25	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	BALTIMORE, MD +
AUG 26		MEDLINE/MeSH/HEALTH	BALTIMORE, MD +
SEP 19	P.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	CHICAGO, IL #
SEP 22-23		CHEM/TOX/TOXNET	BETHESDA, MD
SEP 23		MEDLINE/MeSH/HEALTH	CHICAGO, IL #
OCT 6		MEDLINE/MeSH/HEALTH	LOS ANGELES, CA *
OCT 7	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	LOS ANGELES, CA *
OCT 20-21		CHEM/TOX/TOXNET	BETHESDA, MD
OCT 31		MEDLINE/MeSH/HEALTH	BETHESDA, MD
NOV 1	A.M.	CANCERLIT/PDQ	BETHESDA, MD
NOV 1	P.M.	BIOTECHNOLOGY	BETHESDA, MD
NOV 2	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	BETHESDA, MD
NOV 2	P.M.	POPLINE/BIOETHICS/HISTLINE	BETHESDA, MD
NOV 3		TECHNICAL SERVICES DATABASES	BETHESDA, MD
NOV 17	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS	FARMINGTON, CT +
NOV 17	P.M.	CANCERLIT/PDQ	FARMINGTON, CT +
NOV 17-18		CHEM/TOX/TOXNET	HOUSTON, TX #
NOV 17-18		CHEM/TOX/TOXNET	PORTLAND, OR *
DEC 15	A.M.	CANCERLIT/PDQ	CHAPEL HILL, NC +
DEC 15	P.M.	BIOTECHNOLOGY	CHAPEL HILL, NC +



**1994 NLM ONLINE SERVICES TRAINING SCHEDULE  
BY SITE OF TRAINING CLASS**

**Legend:**

A.M. module taught in the morning

P.M. module taught in the afternoon

*ALL Fundamentals of MEDLARS Searching classes are FREE.*+ module taught by Eastern Online Training Center  
(two-day module=\$85; one-day module=\$85; half-day module=\$45)# module taught by Midlands Online Training Center  
(two-day module=\$85; one-day module=\$65; half-day module=\$40)\* module taught by Western Online Training Center  
(two-day module=\$75; one-day module=\$65; half-day module=\$45)**ARIZONA, Phoenix \***

APR 20 A.M. MEDLARS: REFRESHER &amp; REVIEW

**CALIFORNIA, Los Angeles \***

JAN 24-26 FUNDAMENTALS OF MEDLARS SEARCHING

JAN 27 MEDLINE/MeSH/HEALTH

JAN 28 A.M. AIDSLINE/AIDSTRIALS/AIDSDRUGS

FEB 23 A.M. MEDLARS: REFRESHER &amp; REVIEW

APR 25-27 FUNDAMENTALS OF MEDLARS SEARCHING

APR 28 A.M. CANCERLIT/PDQ

APR 29 A.M. BIOTECHNOLOGY

JUL 18-20 FUNDAMENTALS OF MEDLARS SEARCHING

JUL 21-22 CHEM/TOX/TOXNET

OCT 3-5 FUNDAMENTALS OF MEDLARS SEARCHING

OCT 6 MEDLINE/MeSH/HEALTH

OCT 7 A.M. AIDSLINE/AIDSTRIALS/AIDSDRUGS

**CALIFORNIA, San Francisco \***

APR 5 A.M. MEDLARS: REFRESHER &amp; REVIEW

**CONNECTICUT, Farmington +**

JAN 24 A.M. MEDLARS: REFRESHER &amp; REVIEW

NOV 14-16 FUNDAMENTALS OF MEDLARS SEARCHING

NOV 17 A.M. AIDSLINE/AIDSTRIALS/AIDSDRUGS

NOV 17 P.M. CANCERLIT/PDQ

**FLORIDA, Gainesville +**

JUN 27-29 FUNDAMENTALS OF MEDLARS SEARCHING

JUN 30-JUL 1 CHEM/TOX/TOXNET

**GEORGIA, Atlanta +**

JAN 21 A.M. MEDLARS: REFRESHER &amp; REVIEW

MAY 9-11 FUNDAMENTALS OF MEDLARS SEARCHING

**ILLINOIS, Chicago #**

JUL 18-20		FUNDAMENTALS OF MEDLARS SEARCHING
JUL 21-22		CHEM/TOX/TOXNET
SEP 19	P.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS
SEP 20-22		FUNDAMENTALS OF MEDLARS SEARCHING
SEP 23		MEDLINE/MeSH/HEALTH

**MARYLAND, Baltimore +**

JAN 31	A.M.	MEDLARS: REFRESHER & REVIEW
AUG 22-24		FUNDAMENTALS OF MEDLARS SEARCHING
AUG 25	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS
AUG 26		MEDLINE/MeSH/HEALTH

**MARYLAND, Bethesda**

JAN 10-12		FUNDAMENTALS OF MEDLARS SEARCHING
JAN 13-14		CHEM/TOX/TOXNET
JAN 31		MEDLINE/MeSH/HEALTH
FEB 1	A.M.	CANCERLIT/PDQ
FEB 1	P.M.	BIOTECHNOLOGY
FEB 2	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS
FEB 2	P.M.	POPLINE/BIOETHICS/HISTLINE
FEB 3		TECHNICAL SERVICES DATABASES
FEB 14-16		FUNDAMENTALS OF MEDLARS SEARCHING
FEB 17-18		CHEM/TOX/TOXNET
MAR 21-23		FUNDAMENTALS OF MEDLARS SEARCHING
MAR 24-25		CHEM/TOX/TOXNET
APR 18		MEDLINE/MeSH/HEALTH
APR 19	A.M.	CANCERLIT/PDQ
APR 19	P.M.	BIOTECHNOLOGY
APR 20	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS
APR 20	P.M.	POPLINE/BIOETHICS/HISTLINE
APR 21		TECHNICAL SERVICES DATABASES
JUN 6-8		FUNDAMENTALS OF MEDLARS SEARCHING
JUN 9-10		CHEM/TOX/TOXNET
JUL 11-13		FUNDAMENTALS OF MEDLARS SEARCHING
JUL 14-15		CHEM/TOX/TOXNET
SEP 19-21		FUNDAMENTALS OF MEDLARS SEARCHING
SEP 22-23		CHEM/TOX/TOXNET
OCT 17-19		FUNDAMENTALS OF MEDLARS SEARCHING
OCT 20-21		CHEM/TOX/TOXNET
OCT 31		MEDLINE/MeSH/HEALTH
NOV 1	A.M.	CANCERLIT/PDQ
NOV 1	P.M.	BIOTECHNOLOGY
NOV 2	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS
NOV 2	P.M.	POPLINE/BIOETHICS/HISTLINE
NOV 3		TECHNICAL SERVICES DATABASES

**MASSACHUSETTS, Boston**

JAN 25	A.M.	MEDLARS: REFRESHER & REVIEW
APR 18-20		FUNDAMENTALS OF MEDLARS SEARCHING
APR 21-22		CHEM/TOX/TOXNET

**MICHIGAN, Detroit #**

FEB 14-16		FUNDAMENTALS OF MEDLARS SEARCHING
FEB 17	A.M.	CANCERLIT/PDQ
FEB 17	P.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS
FEB 18	A.M.	MEDLARS: REFRESHER & REVIEW

**MISSOURI, St. Louis #**

JUN 7-9		FUNDAMENTALS OF MEDLARS SEARCHING
JUN 10	A.M.	CANCERLIT/PDQ
JUN 10	P.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS

**NEBRASKA, Omaha #**

AUG 1-3		FUNDAMENTALS OF MEDLARS SEARCHING
AUG 4	A.M.	CANCERLIT/PDQ
AUG 4	P.M.	BIOTECHNOLOGY
AUG 5		MEDLINE/MeSH/HEALTH

**NEVADA, Reno \***

MAR 9	A.M.	MEDLARS: REFRESHER & REVIEW
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**NEW YORK, New York +**

JAN 13	A.M.	MEDLARS: REFRESHER & REVIEW
FEB 7-9		FUNDAMENTALS OF MEDLARS SEARCHING
FEB 11	A.M.	MEDLARS: REFRESHER & REVIEW
MAR 14-16		FUNDAMENTALS OF MEDLARS SEARCHING
MAR 17		MEDLINE/MeSH/HEALTH
MAR 18	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS
SEP 26-28		FUNDAMENTALS OF MEDLARS SEARCHING

**NORTH CAROLINA, Chapel Hill +**

DEC 12-14		FUNDAMENTALS OF MEDLARS SEARCHING
DEC 15	A.M.	CANCERLIT/PDQ
DEC 15	P.M.	BIOTECHNOLOGY
DEC 16	A.M.	MEDLARS: REFRESHER & REVIEW

**OREGON, Portland \***

NOV 14-16		FUNDAMENTALS OF MEDLARS SEARCHING
NOV 17-18		CHEM/TOX/TOXNET

**PENNSYLVANIA, Pittsburgh +**

JAN 28	A.M.	MEDLARS: REFRESHER & REVIEW
JUL 25-27		FUNDAMENTALS OF MEDLARS SEARCHING
JUL 28	A.M.	CANCERLIT/PDQ
JUL 28	P.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS

**SOUTH CAROLINA, Charleston +**

JAN 14	A.M.	MEDLARS: REFRESHER & REVIEW
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**TEXAS, Ft. Worth #**

APR 5-7		FUNDAMENTALS OF MEDLARS SEARCHING
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**TEXAS, Houston #**

FEB 8-10		FUNDAMENTALS OF MEDLARS SEARCHING
FEB 11		MEDLINE/MeSH/HEALTH
NOV 14-16		FUNDAMENTALS OF MEDLARS SEARCHING
NOV 17-18		CHEM/TOX/TOXNET

**WASHINGTON, Seattle \***

MAR 21-23		FUNDAMENTALS OF MEDLARS SEARCHING
MAR 24		MEDLINE/MeSH/HEALTH
MAR 25	A.M.	AIDSLINE/AIDSTRIALS/AIDSDRUGS
AUG 15-17		FUNDAMENTALS OF MEDLARS SEARCHING
AUG 18		TOXNET
AUG 19	A.M.	CANCERLIT/PDQ

**1994 NLM ONLINE SERVICES TRAINING SCHEDULE  
BY DATABASE**

**Legend:**

A.M. module taught in the morning

P.M. module taught in the afternoon

*ALL Fundamentals of MEDLARS Searching classes are FREE.*+ module taught by Eastern Online Training Center  
(two-day module=\$85; one-day module=\$85; half-day module=\$45)# module taught by Midlands Online Training Center  
(two-day module=\$85; one-day module=\$65; half-day module=\$40)\* module taught by Western Online Training Center  
(two-day module=\$75; one-day module=\$65; half-day module=\$45)

no indicator means class taught by NLM

**AIDSLINE/AIDSTRIALS/AIDSDRUGS**

## AIDSLINE/AIDSTRIALS/AIDSDRUGS Specialized Module:

JAN 28	A.M.	LOS ANGELES, CA *	JUL 28	P.M.	PITTSBURGH, PA +
FEB 2	A.M.	BETHESDA, MD	AUG 25	A.M.	BALTIMORE, MD +
MAR 17	P.M.	DETROIT, MI #	SEP 19	P.M.	CHICAGO, IL #
MAR 18	A.M.	NEW YORK, NY *	OCT 7	A.M.	LOS ANGELES, CA *
MAR 25	A.M.	SEATTLE, WA *	NOV 2	A.M.	BETHESDA, MD
APR 20	A.M.	BETHESDA, MD	NOV 17	A.M.	FARMINGTON, CT +
JUN 10	P.M.	ST. LOUIS, MO #			

AVLINE — *see* TECHNICAL SERVICES DATABASESBIOETHICS — *see* POPLINE/BIOETHICS/HISTLINE**BIOTECHNOLOGY SEARCHING (BIOTECHSEEK AND MEDLINE)**

## BIOTECHNOLOGY Specialized Module:

FEB 1	P.M.	BETHESDA, MD	AUG 4	P.M.	OMAHA, NE #
APR 19	P.M.	BETHESDA, MD	NOV 1	P.M.	BETHESDA, MD
APR 29	A.M.	LOS ANGELES, CA *	DEC 15	P.M.	CHAPEL HILL, NC+

**CANCERLIT/PDQ**

## CANCERLIT/PDQ Specialized Module:

FEB 1	A.M.	BETHESDA, MD	JUL 28	A.M.	PITTSBURGH, PA +
MAR 17	A.M.	DETROIT, MI #	AUG 4	A.M.	OMAHA, NE #
APR 19	A.M.	BETHESDA, MD	AUG 19	A.M.	SEATTLE, WA *
APR 28	A.M.	LOS ANGELES, CA *	NOV 1	A.M.	BETHESDA, MD
JUN 10	A.M.	ST. LOUIS, MO #	NOV 17	P.M.	FARMINGTON, CT +
			DEC 15	A.M.	CHAPEL HILL, NC +

**CATLINE** — *see* TECHNICAL SERVICES DATABASES

**CCRIS (CHEMICAL CARCINOGENESIS RESEARCH INFORMATION SYSTEM)** —  
*see* CHEMLINE/ChemID/TOXLINE/TOXLIT/TOXNET

**CHEMLINE/ChemID/TOXLINE/TOXLIT/TOXNET**

CHEM/TOX/TOXNET Specialized Module:

JAN 13-14	BETHESDA, MD	JUL 21-22	CHICAGO, IL #
FEB 17-18	BETHESDA, MD	JUL 21-22	LOS ANGELES, CA *
MAR 24-25	BETHESDA, MD	AUG 18	SEATTLE, WA * —
APR 21-22	BOSTON, MA +		(TOXNET only)
JUN 9-10	BETHESDA, MD	SEP 22-23	BETHESDA, MD
JUN 23-24	GAINESVILLE, FL +	OCT 20-21	BETHESDA, MD
JUL 14-15	BETHESDA, MD	NOV 17-18	HOUSTON, TX #
		NOV 17-18	PORTLAND, OR *

**DART (DEVELOPMENTAL AND REPRODUCTIVE TOXICOLOGY)** —  
*see* CHEMLINE/ChemID/TOXLINE/TOXLIT/TOXNET

**EMICBACK (ENVIRONMENTAL MUTAGEN INFORMATION CENTER BACKFILE)** —  
*see* CHEMLINE/ChemID/TOXLINE/TOXLIT/TOXNET

**ETICBACK (ENVIRONMENTAL TERATOLOGY INFORMATION CENTER BACKFILE)**  
*see* CHEMLINE/ChemID/TOXLINE/TOXLIT/TOXNET

**GENE-TOX (GENETIC TOXICOLOGY)** — *see* CHEM/TOX/TOXNET

**HEALTH** — *see* MEDLINE/MeSH/HEALTH

**HSDB (HAZARDOUS SUBSTANCES DATA BANK)** — *see* CHEM/TOX/TOXNET

**HISTLINE** — *see* POPLINE/BIOETHICS/HISTLINE

**IRIS (INTEGRATED RISK INFORMATION SYSTEM)** — *see* CHEM/TOX/TOXNET

**MEDLINE/SDILINE/MeSH/HEALTH**

•NEW SEARCHERS:

See the *FUNDAMENTALS OF MEDLARS SEARCHING* Schedule

•EXPERIENCED SEARCHERS:

MEDLINE/MeSH/HEALTH Specialized Module:

JAN 27	LOS ANGELES, CA *	AUG 5	OMAHA, NE #
JAN 31	BETHESDA, MD	AUG 26	BALTIMORE, MD +
FEB 11	HOUSTON, TX #	SEP 23	CHICAGO, IL #
MAR 17	NEW YORK, NY +	OCT 6	LOS ANGELES, CA *
MAR 24	SEATTLE, WA *	OCT 31	BETHESDA, MD
APR 18	BETHESDA, MD		

**MeSH VOCABULARY** — *see* MEDLINE/SDILINE/MeSH/HEALTH

**NAME AUTHORITY FILE (NAF)** — *see* TECHNICAL SERVICES DATABASES

**PDQ** — *see* CANCERLIT/PDQ

**POPLINE/BIOETHICS/HISTLINE**

POPLINE/BIOETHICS/HISTLINE Specialized Module:

FEB 2	P.M.	BETHESDA, MD
APR 20	P.M.	BETHESDA, MD
NOV 2	P.M.	BETHESDA, MD

**RTECS (REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES)** —  
*see* CHEMLINE/ChemID/TOXLINE/TOXLIT/TOXNET

**SDILINE** — *see* MEDLINE/SDILINE/MeSH/HEALTH

**SERLINE** — *see* TECHNICAL SERVICES DATABASES

**TECHNICAL SERVICES DATABASES (CATLINE, AVLINE, SERLINE, NAF)**

TECHNICAL SERVICES DATABASES Specialized Module:

FEB 3	BETHESDA, MD
APR 21	BETHESDA, MD
NOV 3	BETHESDA, MD

**TOXLINE** — *see* CHEMLINE/ChemID/TOXLINE/TOXLIT/TOXNET

**TOXLIT** — *see* CHEMLINE/ChemID/TOXLINE/TOXLIT/TOXNET

**TOXNET** — *see* CHEMLINE/ChemID/TOXLINE/TOXLIT/TOXNET

**TRI (TOXIC CHEMICAL RELEASE INVENTORY)** — *see* CHEM/TOX/TOXNET





**MEDLARS: REFRESHER & REVIEW  
1994 SCHEDULE**

NOTE: This schedule is subject to change. Call your Regional Online Training Center if you would like to schedule a MEDLARS R&R workshop in your area.

**Legend:**

- A.M. module taught in the morning
- P.M. module taught in the afternoon
- + module taught by Eastern Online Training Center (212/876-8763 or 1-800-338-7657)  
(MEDLARS R&R=\$45)
- # module taught by Midlands Online Training Center (402/559-4326 or 1-800-338-7657)  
(MEDLARS R&R=\$30)
- \* module taught by Western Online Training Center (310/825-1200 or 1-800-338-7657)  
(MEDLARS R&R=\$45)

<b>JANUARY</b>	13	A.M.	NEW YORK, NY +
	14	A.M.	CHARLESTON, SC +
	21	A.M.	ATLANTA, GA +
	24	A.M.	FARMINGTON, CT +
	25	A.M.	BOSTON, MA +
	28	A.M.	PITTSBURGH, PA +
	31	A.M.	BALTIMORE, MD +
<b>FEBRUARY</b>	11	A.M.	NEW YORK, NY +
	23	A.M.	LOS ANGELES, CA *
<b>MARCH</b>	9	A.M.	RENO, NV *
	18	A.M.	DETROIT, MI #
<b>APRIL</b>	5	A.M.	SAN FRANCISCO, CA *
	20	A.M.	PHOENIX, AZ *

**HOW TO REGISTER:** Use the Request For NLM Online Training Form in Appendix I.



REQUEST FOR NLM ONLINE TRAINING

The *Fundamentals of MEDLARS Searching* and the Specialized Modules concentrate on command language searching and thus are not recommended for *Grateful Med* searchers.

TRAINEE NAME: \_\_\_\_\_ PHONE: (\_\_\_\_\_) \_\_\_\_\_ x \_\_\_\_\_

ORGANIZATION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

User ID code: \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ OR I am also applying for a User ID code

1. FUNDAMENTALS OF MEDLARS SEARCHING (3-DAYS)

DATES/SITES REQUESTED: \_\_\_\_\_  
1st Choice 2nd Choice

2. SPECIALIZED MODULES: (Requires familiarity with MEDLARS.)

Please fill in Dates/Sites requesting:

AIDSLINE/AIDSTRIALS/  
AIDSDRUGS (1/2 Day) \_\_\_\_\_  
1st Choice 2nd Choice

BIOTECHNOLOGY  
(1/2 Day) \_\_\_\_\_  
1st Choice 2nd Choice

CANCERLIT/PDQ  
(1/2 Day) \_\_\_\_\_  
1st Choice 2nd Choice

CHEM/TOX/TOXNET  
(2 Days) \_\_\_\_\_  
1st Choice 2nd Choice

MEDLINE/MeSH/HEALTH  
(1 Day) \_\_\_\_\_  
1st Choice 2nd Choice

POPLINE/BIOETHICS/  
HISTLINE (1/2 Day) \_\_\_\_\_  
1st Choice 2nd Choice

TECHNICAL SERVICES  
DATABASES (1 Day) \_\_\_\_\_  
1st Choice 2nd Choice

3. MEDLARS: REFRESHER  
& REVIEW (1/2 Day) \_\_\_\_\_  
1st Choice 2nd Choice

MAILING/FAXING INSTRUCTIONS — SEE REVERSE SIDE OF FORM

**REGISTRATION FORMS SHOULD BE MAILED/FAXED ACCORDING TO THE  
FOLLOWING LEGEND:**

**Site = Bethesda, MD**

Mail/FAX form to:

MEDLARS Management Section  
ATTN: TRAINING  
National Library of Medicine  
8600 Rockville Pike  
Bethesda, MD 20894

FAX: 301/496-0822                      Questions?              Call 1-800-638-8480

**Site has symbol +**

Mail/FAX form to:

Eastern Online Training Center  
The New York Academy of Medicine  
2 East 103rd St.  
New York, NY 10029

FAX: 212/534-7042                      Questions?              Call 1-800-338-7657 (press #2) OR  
212/876-8763

**Site has symbol #**

Mail/FAX form to:

Midlands Online Training Center  
University of Nebraska  
McGoogan Library of Medicine  
600 South 42nd St.  
Omaha, NE 68198-6706

FAX: 402/559-5482                      Questions?              Call 1-800-338-7657 (press #2) OR  
402/559-4326

**Site has symbol \***

Mail/FAX form to:

Western Online Training Center  
Louise Darling Biomedical Library  
University of California  
10833 Le Conte Ave.  
Los Angeles, CA 90024-1798

FAX: 310/825-5389                      Questions?              Call 1-800-338-7657 (press #2) OR  
310/825-1200

**ALL FUNDAMENTALS CLASSES ARE FREE**

DO NOT SEND PAYMENT WITH REGISTRATION FOR SPECIALIZED MODULES;  
THE FEE WILL BE PAID UPON CONFIRMATION OF CLASS.  
INSTRUCTIONS ON PAYMENT WILL BE SENT TO YOU.





### COMPLIMENT/CONCERN

**NAME:**

**USER ID CODE:**

**ADDRESS:**

**COMMENTS:**

We work for you. Please tell us what is right and what you would like to see changed.

Return to: MEDLARS Management Section  
National Library of Medicine  
Bethesda, MD 20894 (FAX 301-496-0822)

### CHANGE OF ADDRESS - U.S. USERS ONLY

**You MUST include your User ID Code:**

**Mailing Information:**

**Address:**

**Billing Information, if different:**

**Address:**

**Daytime Phone:**

**Daytime Phone:**

Check here if you purchased Grateful Med. The new address information will be forwarded to NTIS.

Return to: MEDLARS Management Section  
National Library of Medicine  
Bethesda, MD 20894 (FAX 301-496-0822)

## CONTACTING NLM

The following Internet addresses may be used for specific questions and comments to NLM.

MEDLARS Management Section:	mms@nlm.nih.gov
Grateful Med:	gmhelp@gmedserv.nlm.nih.gov
Reference Section:	ref@nlm.nih.gov
ILL/DOCLINE:	ill@nlm.nih.gov
MeSH Heading Suggestions:	meshsugg@nlm.nih.gov
National Center for Biotechnology Information (NCBI):	info@ncbi.nlm.nih.gov
History of Medicine Division:	hmdref@nlm.nih.gov
International Programs Office:	hsieh@nlm.nih.gov
Planning and Evaluation Office:	siegel@nlm.nih.gov

NLM PHONE NUMBERS: MEDLARS Service (800) 638-8480 Public Information (800) 272-4787

**DEPARTMENT OF HEALTH AND HUMAN SERVICES**  
**Public Health Service, National Institutes of Health**  
**National Library of Medicine (#38/4N-421)**  
**8600 Rockville Pike**  
**BETHESDA, MARYLAND 20894**

Official Business  
 Penalty for Private Use \$300

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 PHS/NIH/NLM  
 BETHESDA, MD  
 PERMIT No. G291