

























































































































































- meetings;
- Initiated development of a diversity home page on the NLM Intranet;
- Prepared a bibliography of diversity related articles, monographs, videos and web sites; and
- Provided diversity training for NLM staff

### **Office of Equal Employment Opportunity**

David Nash  
NLM EEO Manager

The major area of EEO emphasis in FY 1997 was the employment of staff with disabilities, the working conditions for these employees, and the Library's accommodations for patrons with physical disabilities. Among the advances this year:

- The NLM web site was enhanced with an updated "accessibility at the National Library of Medicine" page, which details the parking, entrance ramp, rest facilities, reading machine, speech magnification software, speech synthesizer, enlarged keyboard lettering, print enlarger, and wide stack aisles available for patrons with various physical disabilities  
[[www.nlm.nih.gov/services/onsite/ada.html](http://www.nlm.nih.gov/services/onsite/ada.html)].
- The NLM EEO Manager was involved with both the Federal Employment of the Hearing Impaired Conference and the President's Committee on Employment of People with Disabilities.
- The NLM Executive Officer served on an NIH ad hoc committee designed to provide interpretive services to hearing impaired employees. NLM has arranged for Library programs to use, when needed, the services of a sign interpreter.
- The Library has ordered a TTY phone for patrons and employees in the public area of Building 38.
- To better serve patrons who are mobile via wheelchairs, push pads have been installed for entrance to the rest rooms.
- Tours of NLM were conducted to give hearing impaired patrons a demonstration of NLM's capabilities. NLM is now known as a leader in the NIH community in its commitment to patrons with disabilities.

### *Other EEO Areas*

The NLM EEO Manager undertakes continuing education courses to keep abreast of developments in EEO and thus be able to provide professional advice to the Director, managers, supervisors, and NLM employees on matters of disability and race issues. Also, he has made special efforts to extend NLM outreach into the various communities and organizations that frequently have access to such qualified minority individuals. For example:

- The NLM has a continuing special outreach program with Largo Senior High School, focusing on career enhancement and opportunities in medical biotechnology. The staff of NLM's National Center for Biotechnology Information are of great help in maintaining this program.
- There are special efforts to reach such populations as the greater Prince George's County area (a predominantly African American community). The Library exhibited at a job fair on career opportunities sponsored by Representative A. R. Wynn (D-MD). In addition, the EEO Manager was a featured speaker at Congressman Wynn's Education and Career Enhancement Conference, where he had discussions with the governor of Maryland about NLM outreach and employment goals.
- To address the underrepresentation of Hispanics in the NLM/NIH work force, NLM exhibited and provided information at the La Raza Conference on Hispanic health issues and also worked with the Hispanic Medical Association.
- The NLM EEO Manager attended, exhibited at, and addressed the Association of American Indian Physicians. As a result, NLM has established a continuing dialog with this group representing a key underserved population.
- The Library has continuing interaction with such important organizations as the National Association of Health Services Executives, the National Medical Association, the Congressional Black Caucus, and the National Association for the Advancement of Colored People.

# Appendix 1: Regional Medical Libraries in the National Network of Libraries of Medicine

1. **MIDDLE ATLANTIC REGION**  
The New York Academy of Medicine  
1216 Fifth Avenue  
New York, NY 10029-5283  
(212) 822-7396 FAX (212) 534-7042  
States served: DE, NJ, NY, PA  
*URL: <http://www.nlm.nih.gov/mar>*
2. **SOUTHEASTERN/ATLANTIC REGION**  
University of Maryland at Baltimore  
Health Science and Human Services Library  
601 Lombard Street  
Baltimore, MD 21201  
(410) 706-2855 FAX (410) 706-0099  
States served: AL, FL, GA, MD, MS, NC,  
SC, TN, VA, WV, DC, VI, PR  
*URL: <http://www.nlm.nih.gov/sar>*
3. **GREATER MIDWEST REGION**  
University of Illinois at Chicago  
Library of the Health Sciences (M/C 763)  
1750 West Polk Street  
Chicago, IL 60612-7223  
(312) 996-2464 FAX (312) 996-2226  
States served: IA, IL, IN, KY, MI, MN,  
ND, OH, SD, WI  
*URL: <http://www.nlm.nih.gov/gmr>*
4. **MIDCONTINENTAL REGION**  
University of Nebraska Medical Center  
Leon S. McGoogan Library of Medicine  
600 South 42nd Street  
Omaha, NE 68198-6706  
(402) 559-4326 FAX (402) 559-5482  
States served: CO, KS, MO, NE, UT, WY  
*URL: <http://www.nlm.nih.gov/mr>*
5. **SOUTH CENTRAL REGION**  
Houston Academy of Medicine-  
Texas Medical Center Library  
1133 M.D. Anderson Boulevard  
Houston, TX 77030-2809  
(713) 799-7880 FAX (713) 790-7030  
States served: AR, LA, NM, OK, TX  
*URL: <http://www.nlm.nih.gov/scr>*
6. **PACIFIC NORTHWEST REGION**  
University of Washington  
Regional Medical Library, HSLIC  
Box 357155  
Seattle, WA 98195-7155  
(206) 543-8262 FAX (206) 543-2469  
States served: AK, ID, MT, OR, WA  
*URL: <http://www.nlm.nih.gov/pnr>*
7. **PACIFIC SOUTHWEST REGION**  
University of California, Los Angeles  
Louise M. Darling Biomedical Library  
Box 951798  
Los Angeles, CA 90024-1798  
(310) 825-1200 FAX (310) 825-5389  
States served: AZ, CA, HI, NV and U.S.  
Territories in the Pacific Basin  
*URL: <http://www.nlm.nih.gov/psr>*
8. **NEW ENGLAND REGION**  
University of Connecticut Health Center  
Lyman Maynard Stowe Library  
263 Farmington Avenue  
Farmington, CT 06030-5370  
(860) 679-4500 FAX (860) 679-1305  
States served: CT, MA, ME, NH, RI, VT  
*URL: <http://www.nlm.nih.gov/ner>*

## Appendix 2: Board of Regents

The NLM Board of Regents meets three times a year to consider Library issues and make recommendations to the Secretary of Health and Human Services on matters affecting the Library.

### Appointed Members:

DeBAKEY, Michael E., M.D. (Chair)  
Chancellor Emeritus  
Baylor College of Medicine  
Houston, TX

ALBRIGHT, Tenley E., M.D.  
Two Commonwealth Ave.  
Boston, MA

BALL, Marion, Ed.D.  
Vice President for Information Sciences  
First Consulting Group  
Baltimore, MD

BARUCH, Jordan, Sc.D.  
President, Jordan Baruch Associates  
Washington, D.C.

BOND, Enriqueta, M.D.  
President, Burroughs Wellcome Fund  
Durham, NC

FONSECA, Raymond J., D.M.D.  
Dean, School of Dental Medicine  
University of Pennsylvania  
Philadelphia, PA

FULLER, Sherrilynne, Ph.D.  
Acting Director, Informatics  
University of Washington School of Medicine  
Seattle, WA

GAGE, John  
Director, Science Office  
Sun Microsystems Computer Corp.  
Palo Alto, CA

KLEIN, Michele  
Systems Director, Library Services  
Children's Hospital of Michigan  
Detroit, MI

NOLAN, George H., MD  
Director, Department of Obstetrics and Gynecology  
Henry Ford Hospital  
Detroit, MI

### Ex Officio Members:

Librarian of Congress

Surgeon General  
Public Health Service

Surgeon General  
Department of the Air Force

Surgeon General  
Department of the Navy

Surgeon General  
Department of the Army

Under Secretary for Health  
Department of Veterans Affairs

Assistant Director for Biological Sciences  
National Science Foundation

Director  
National Agricultural Library

Dean  
Uniformed Services University of the Health Sciences

## **Appendix 3: Board of Scientific Counselors/ Lister Hill Center**

The Board of Scientific Counselors meets periodically to review and make recommendations on the Library's intramural research and development programs.

### **Members:**

BUCHANAN, Bruce G., Ph.D. (Chair)  
Professor of Computer Science  
University of Pittsburgh  
Pittsburgh, PA

CLAYTON, Paul D., M.D.  
Professor of Medical Informatics  
Columbia Presbyterian Medical Center  
New York, NY

JAFFE, Conrade C., M.D.  
Director, Center for Advanced Instructional Media  
Yale University School of Medicine  
New Haven CT

KAHN, Michael G., M.D., Ph.D.  
Rodeer Systems, Inc.  
Broomfield, CO

MASYS, Daniel R., M.D.  
Director of Biomedical Informatics  
School of Medicine  
University of California  
San Diego, CA

MITRA, Sunanda, Ph.D.  
Professor of Electrical Engineering  
Texas Tech University  
Lubbock, TX

WILKERSON, LuAnn, Ed.D.  
Director, Center for Educational Development  
UCLA School of Medicine  
Los Angeles, CA



## **Appendix 4. Board of Scientific Counselors/ National Center for Biotechnology Information**

The National Center for Biotechnology Information Board of Scientific Counselors meets periodically to review and make recommendations on the Library's biotechnology-related programs.

### **Members:**

ROBERTS, Richard J., Ph.D.  
Research Director  
New England Biolabs  
Beverly, MA

BUETOW, Kenneth H., Ph.D.  
Fox Chase Cancer Center  
Philadelphia, PA

FITZGERALD, Paula, M.D., Ph.D.  
Senior Research Fellow  
Department of Biophysical Chemistry  
Merck Research Laboratories  
Rahway, NJ

PACE, Norman R., Ph.D.  
Department of Plant and Microbial Biology  
University of California  
Berkeley, CA

SCHLICK, Tamar, Ph.D.  
Professor  
Chemistry Department  
New York University  
New York, NY

WILLIAMS, Myra N., Ph.D.  
Princeton, NJ

## Appendix 5: Biomedical Library Review Committee

The Biomedical Library Review Committee meets three times a year to review applications for grants under the Medical Library Assistance Act.

### Members:

KULIKOWSKI, Casimir A., Ph.D. (chair)  
Professor of Computer Science  
Rutgers University  
New Brunswick, NJ

ALLMAN, Robert M., M.D.  
Professor of Radiology  
Univ. of Maryland School of Medicine  
Baltimore, MD

ASH, Joan S. Ph.D.  
Associate Professor  
Library and Medical Informatics  
Oregon Health Sciences University  
Portland, OR

BASLER, Thomas G., Ph.D.  
Professor and Director  
Libraries and Learning Resource Center  
Medical University of South Carolina  
Charleston, SC

BROADNAX, Lavonda  
Automation Operations Coordinator  
Library of Congress  
Washington, DC

CHUEH, Henry C., M.D.  
Associate Director  
Laboratory of Computer Science  
Massachusetts General Hospital  
Boston, MA

CLEVELAND, Ana D., Ph.D.  
Professor of Information Science  
School of Library and Information Sciences  
University of North Texas  
Denton, TX

FLORANCE, Valerie, Ph.D.  
Director, Edward G. Miner Library  
University of Rochester  
Rochester, NY

FRIEDMAN, Richard B., M.D.  
Medical Director  
Waianae Comprehensive Health Center  
Waianae, HI

FUCHS, Rainer T., Ph.D.  
Vice President and CIO  
ARIAD Pharmaceuticals  
Cambridge, MA

HOLST, Ruth  
Director, Library Services  
Columbia Hospital  
Milwaukee, WI

MODEL, Peter, Ph.D.  
Professor of Biochemistry  
Rockefeller University  
New York, NY

MOLHOLT, Pat A.  
Assistant Vice President  
Columbia University Health Sciences  
New York, NY

MOULT, John, Ph.F.  
Professor  
Center for Advanced Research in Biotechnology  
Rockville, MD

ORTHNER, Helmuth, Ph.D.  
Professor of Medical Informatics  
University of Utah Health Sciences Center  
Salt Lake City, UT

RANKIN, Jocelyn A., Ph.D.  
Professor of Library Science and  
Director, Medical Library and Learning Resources  
Center  
Mercer University School of Medicine  
Macon, GA

RINDFLEISCH, Thomas  
Director, Lane Medical Library  
Director, Center for Advanced Medical Informatics

Stanford University Medical Center  
Stanford, CA

ROSSE, Cornelius M., M.D., D.Sc.  
Professor  
Department of Biological Structure  
School of Medicine  
University of Washington  
Seattle, WA

SEARLS, David B., Ph.D.  
Group Director of Bioinformatics  
SmithKline Beecham Pharmaceuticals  
King of Prussia, PA

TANG, Paul C., M.D.  
Associate Professor of Medicine  
Medical Director, Information Systems  
Northwestern Memorial Hospital  
Chicago, IL

## Appendix 6: Literature Selection Technical Review Committee

The Literature Selection Technical Review Committee meets three times a year to select journals for indexing in *Index Medicus* and MEDLINE.

### Members:

PINCUS, Harold A., M.D. (chair)  
Director, Office of Research  
American Psychiatric Association  
Washington, DC

CABELLO, Felipe C., M.D.  
Dept. of Microbiology and Immunology  
New York Medical College  
New York, NY

CLEVER, Linda Hawes, M.D.  
Chair, Dept. of Occupational Health  
California Pacific Medical Center  
San Francisco, CA 94120

COLLEN, Morris F., M.D.  
Director Emeritus  
Kaiser Permanente Division of Research  
Oakland, CA

EPSTEIN, Neal, M.D.  
NHLBI Cardiology Branch  
National Institutes of Health  
Bethesda, MD

LI, Yihong, Ph.D.  
Assistant Professor  
Oral Biology Department  
University of Alabama  
Birmingham, AL

MAKINEN, Ruth H.  
Head, Technical Services  
University of Minnesota  
Bio-Medical Library  
Minneapolis, MN

MATHIEU, Alix, M.D.  
Professor of Anesthesia  
University of Cincinnati  
College of Medicine  
Cincinnati, OH

O'DONNELL, Anne Elizabeth, M.D.  
Assistant Professor  
Department of Medicine  
Georgetown University  
Washington, D.C.

ROLETT, Ellis L., M.D.  
Professor of Medicine  
Dartmouth-Hitchcock Medical Center  
Lebanon, NH

STRICKLAND, Ora Lea, Ph.D.  
Professor, School of Nursing  
Emory University  
Atlanta, GA

WHITE, Charles A., M.D.  
Professor and Head Emeritus  
Department of Obstetrics and Gynecology  
School of Medicine  
Louisiana State University  
New Orleans, LA

## Appendix 7: Extramural Programs Grants—FY 1997

Awards listed by Program Area. Those preceded by an '\*' are first year, or competing awards, all others are continuation of awards made in prior years.

### Fellowships

#### *Medical Informatics Research Fellowships*

Carter, Alexandre R., \$35,316  
5 F31 LM00040-04  
Minority Predoctoral Fellowship Program – NIGMS  
National Institutes of Health

Kogelnik, Andreas M., \$15,996  
5 F37 LM00043-03  
Mitochondria Genetics Information System  
Emory University, Atlanta, GA

Soo Hoo, Kent, Jr., \$19,057  
5 F37 LM00044-02  
Content Based Indexing for Medical Image  
Management  
University of California, San Francisco

\*Norris, Patrick R., \$25,172  
1 F37 LM00053-01A1  
Therapeutic Goals in Intelligent ICU Monitoring  
Vanderbilt University, Nashville, TN

\*Brossette, Stephen E., \$20,996  
1 F37 LM00057-01  
Knowledge Discovery/Data Mining in Epidemiology  
Surveys  
University of Alabama, Birmingham

\*Schoeflelr, Katherine M., \$34,008  
1 F37 LM00062-01  
Measurable Attributes for Controlled Terminologies  
Duke University, Durham, NC

#### *Applied Medical Informatics Fellowships*

Bradley, Johanna R., \$58,600  
5 F38 LM00045-02  
Creation, Access and Use of Networked Health  
Information  
National Library of Medicine

\*Nigrink, Daniel J., \$71,600  
1 F38 LM00055-01A1  
Database Independent Analysis of Endocrine Tests

Children's Hospital, Boston, MA

\*Steinberger, Eileen K., \$52,500  
1 F38 LM00061-01  
Expert System in the Diagnosis of Lymphoma and  
Leukemia  
University of Maryland  
Baltimore Professional School

### **Integrated Advanced Information Management Systems (IAIMS) Grants**

#### *Phase I*

Rubenstein, Arthur H., \$75,000  
3 G08 LM05657-01S1  
IAIMS Planning at the University of Chicago  
University of Chicago

Niland, Joyce C., \$145,243  
5 G08 LM05697-02  
IAIMS Phase I Planning Grant for City of Hope -  
CRIIS  
City of Hope National Medical Center  
Duarte, CA

Ward, Richard E., \$75,000  
3 G08 LM05720-01S1  
Planning a Comprehensive IAIMS Capable of  
Supporting CQI  
Case Western Reserve University  
Henry Ford Hospital, Detroit, MI

Frisse, Mark E., \$75,000  
3 G08 LM06002-01S1  
IAIMS Planning at Washington University Medical  
School  
Washington University, St. Louis, MO

Sokol, Robert J., \$149,864  
5 G08 LM06009-02  
Enhancing Healthcare Effectiveness - IAIMS in  
Detroit  
Wayne State University, Detroit, MI

Larson, Paul F., \$149,922

5 G08 LM06230-02  
IAIMS Planning  
University of Medicine & Dentistry of New Jersey,  
Newark

Flanagan, James, \$75,000  
3 G08 LM06234-01S1  
University of Iowa Health Sciences Center IAIMS  
Planning  
University of Iowa, Iowa City

Gardner, Reed M., \$50,000  
3 G08 LM06237-01S1  
IAIMS Planning at IHC  
LDS Hospital, Salt Lake City, UT

*Phase II*

Mitchell, Joyce A., \$550,000  
5 G08 LM05415-04  
Missouri IAIMS  
University of Missouri, Columbia

Stead, William W., \$550,000  
5 G08 LM05443-05  
Fast Track Provision of IAIMS  
Vanderbilt University, Nashville, TN

Paton, John A., \$545,430  
5 G08 LM05583-03  
IAIMS Implementation at Yale  
Yale University, New Haven, CT

Fuller, Sherrilynne, \$549,995  
5 G08 LM05620-04  
Creating the UWHSC Integrated Information  
Infrastructure  
University of Washington, Seattle

**Internet Connection Grants**

\*McCue, Jack D., \$47,805  
1 G08 LM06401-01A1  
Internet Access for Berkshire Health Systems  
Berkshire Medical Center  
Pittsfield, MA

\*Backer, M. Barbara, \$21,200  
1 G08 LM06414-01A1  
Provide Internet Access to La Porte Hospital and  
Clinics  
La Porte, IN

\*Rich, E. Scott, \$23,193  
1 G08 LM06426-01A1

Extended LAN for Cope  
Washington University, St. Louis, MO

\*Heintz, Alexandra H., \$30,000  
1 G08 LM06564-01  
Putnam Memorial Health Corp Internet Capacity  
Bennington, VT

\*Gottlieb, Mark S., \$26,051  
1 G08 LM06579-01  
Inter-Site Internet Networking—Family Medicine  
Medical College of Wisconsin, Milwaukee

\*McDuffee, Diana C., \$49,987  
1 G08 LM06609-01  
Community Clinics Internet Connection  
University of North Carolina, Chapel Hill

\*Oliphant, Gregory J., \$27,265  
1 G08 LM06610-01  
Internet Connection for Ephrata Community Hospital  
Ephrata, PA

\*Montgomery, Louise L., \$24,756  
1 G08 LM06612-01  
Baptist Internet Healthcare Links, BIHL  
Baptist Health  
Little Rock, AR

\*Weber, Kathryn H., \$29,025  
1 G08 LM06620-01  
Northeast Oregon Medical Internet Connection  
Project  
Grande Ronde Hospital  
La Grande, OR

\*Weiss, Nancy S., \$29,521  
1 G08 LM06623-01  
Burke Internet Connection  
M. Burke Rehabilitation Hospital  
White Plains, NY

\*Shanklin, Russell W., \$29,924  
1 G08 LM06626-01  
Pikesville Methodist Hospital Internet Connection  
Pikesville, KY

\*Sharrott, Lawrence H., \$28,500  
1 G08 LM06628-01  
Internet Access for Atlanticare Health System  
Egg Harbor Township, NJ

\*Nussbaum, Noel, \$42,164  
1 G08 LM06632-01  
A Regional Network for Medical Education

Wright State University, Dayton, OH

\*Livering, Earl D., \$26,627  
1 G08 LM06634-01  
Internet Connection for Hope Hospice  
Hope of Lee County, Inc.  
Fort Myers, FL

\*Page, Jeffery C., \$50,000  
1 G08 LM06637-01  
CCPM Satellite Location Internet Connection  
California College of Podiatric Medicine  
San Francisco, CA

\*Sanddal, Nels D., \$46,070  
1 G08 LM06644-01  
Tenkids Internet Access  
Critical Illness/Trauma Foundation, Inc.  
Bozeman, MT

#### **Resource Information Systems Grants**

Seltzer, Ada M., \$135,083  
5 G08 LM05478-04  
Health Sciences Information Network  
University of Mississippi Medical Center  
Jackson, MS

Hagen, Michael D., \$59,335  
5 G08 LM05614-03  
Information Systems Grant  
University of Kentucky, Lexington

Dennis, Sharon E., \$48,794  
5 G08 LM05684-03  
Model Multimedia Support Center for the Health  
Sciences  
University of Utah, Salt Lake City

Scott, Ursula D., \$150,782  
5 G08 LM05771-02  
Baylorlink - An NLM Information System Grant  
Baylor Research Institute  
Dallas, TX

Eaton, Elizabeth K., \$148,677  
1 G08 LM05774-01A2  
Creating and Managing Digital Multimedia  
Resources  
Tufts University, Boston, MA

Messerle, Judith R., \$118,456  
5 G08 LM05791-03  
Creation of a Knowledge Laboratory  
Harvard University, Boston, MA

De Bord, William J., \$101,678  
5 G08 LM06000-02  
Health Sciences Information Data Link  
Morehead State University  
Morehead, KY

Jones, Michael O., \$129,650  
5 G08 LM06218-02  
Computerized Archive of American Traditional  
Medicine  
University of California, Los Angeles

Lehman, Harold P., \$86,085  
5 G08 LM06232-02  
Internet Based Image Base for Medical Education  
Johns Hopkins University, Baltimore, MD

\*Mueller, Christine A., \$142,902  
1 G08 LM06239-012A1  
Health Information Access for Rural Nurse  
Practitioners  
University of Minnesota Twin Cities, Minneapolis

\*Matthew, Suzanne L., \$190,450  
1 G08 LM06492-01  
Northwoods Healthnet - A Northern WI Information  
System  
Northern Wisconsin AHEC, Inc., Wausau, WI

#### **Resource Information Access Grants**

Perry, Richard R., \$64,778  
3 G07 LM05447-02S1A1  
Rural health projects, Inc., Med-fax network  
Rural Health Projects, Inc., Enid, OK

Reynolds, Pamela M., \$99,975  
3 G07 LM05474-01S3  
Sowega Information Delivery Electronic Access/Idea  
Sites  
Southwest Georgia Area Health Education Center,  
Albany

\*Ireland, Robert B., \$9,250  
1 G07 LM06380-01A1  
Internet Access and Training  
University of Alabama, Tuscaloosa

\*Fredericks, Treva A., \$12,000  
1 G07 LM06469-01  
Lanterman Developmental Center Medical Library  
Online  
Lanterman State Hospital and Develop Center  
Pomona, CA

\*Hogan, Linda, \$12,000  
1 G07 LM06474-01  
Electronic Linkage—Hospital Staff to Library  
Resources  
Mercy Hospital of Pittsburgh, PA

\*Coleridge, Samuel T., \$61,208  
1 G07 LM06487-01  
Improve Information Access in Family Practice  
Residency  
University of North Texas Health Science Center,  
Fort Worth

\*Bowling, John R., \$130,519  
1 G07 LM06535-01  
Information Access for Preceptors and Medical  
Students  
University of North Texas Health Science Center,  
Fort Worth

#### **Publication Grants**

Hast, Malcolm H., \$36,821  
5 R01 LM05657-03  
Annotated Translation of Vesalius' Fabrica  
Northwestern University, Chicago

Faden, RUTH R., \$33,000  
5 R01 LM05700-03  
Ethics and Allocation—Foundations of American  
Health Care  
Johns Hopkins University, Baltimore, MD

Funk, Carla J., \$150  
5 R01 LM05906-03  
History of the Medical Library Association  
Medical Library Association, Chicago

\*Lunbeck, Elizabeth, \$33,951  
1 R01 LM05934-01A1  
Practicing Psychoanalysis in the U.S., 1946-1970  
Princeton University, Princeton, NJ

\*Meldrum, Marcia L., \$16,496  
1 R01 LM05983-01A1  
Randomized Clinical Trials, 1946-1970  
Individual Award  
Los Angeles, CA

\*Bonner, Thomas N., \$23,175  
1 R01 LM06262-01  
Biography of Abraham Flexner (1866-1959)  
Wayne State University, Detroit

\*Murphy, Gregory J., \$39,051

1 R01 LM06265-01  
Electronic Freud Textbase Prototype  
Rutgers the State University  
New Brunswick, NJ

\*Buhler-Wilkerson, Karen A., \$39,750  
1 R01 LM06304-01  
Endless Obligation—Home Care in America  
1880-1930  
University of Pennsylvania, Philadelphia

\*Proctor, Robert A., \$35,356  
1 R01 LM06528-01  
Nazi Cancer Research and Policy—A History  
Pennsylvania State University  
University Park, PA

#### **Biotechnology Research Grants**

\*Herzenberg, Leonore A., \$220,818  
2 R01 LM04836-07  
FACS-PENGUIN—Knowledge Base Support for  
Flow Cytometry  
Stanford University, Stanford, CA

Myers, Eugene W., Jr., \$157,056  
5 R01 LM04960-09  
Efficient Software for the Analysis of Biosequences  
University of Arizona, Tucson

Pearson, William R., \$226,265  
5 R01 LM04969-10  
Comparison of Protein Sequences and Structures  
University of Virginia, Charlottesville

Miller, Webb C., \$382,981  
5 R01 LM05110-09  
Software for Analyzing Biosequence Data  
Pennsylvania State University  
University Park, PA

Smith, Temple F., \$952,184  
5 P41 LM05205-14  
Biomolecular Engineering Research Center  
Boston University

Brutlag, Douglas L., \$214,055  
5 R01 LM05716-04  
Multiple Representations of Biological Sequences  
Stanford University, CA

Roberts, Richard J., \$150,618  
5 P41 LM05800-03  
REBASE - The Restriction Enzyme Database  
New England Biolabs, INC.



Beverly, MA

Altman, Russ B., \$325,902  
5 R01 LM06244-02  
Representing Biological Data for Molecular  
Modeling  
Stanford University, CA

### Medical Informatics Research Grants

\*Ellisman, Mark H., \$9,550  
1 R01 DC03192-01A1  
Development of a3D Cell-Centered Neuronal  
Database  
University of California, San Diego

Friedman, Charles P., \$190,378  
5 R01 LM04843-11  
Information and Cognition in Medical Education  
University of Pittsburgh

Jaffe, Carl C., \$225,982  
5 R01 LM05007-08  
Indexing Image Databases for Motion Similarity  
Retrieval  
Yale University, New Haven, CT

\*Berner, Eta S., \$131,845  
2 R01 LM05125-06  
Physician Use of Diagnostic Decision Support  
System Data  
University of Alabama, Birmingham

Jelliffe, Roger W., \$443,755  
5 R01 LM05401-06  
New Decision Supports and Databases for Drug  
Dosage  
University of Southern California, Los Angeles

Chute, Christopher G., \$172,085  
5 R01 LM05416-05  
Latent Semantic Indexing in Support of Data  
Retrieval  
Mayo Foundation, Rochester, MN

Begg, Colin B., \$92,540  
5 R01 LM05524-05  
Meta Analysis Methodology for Diagnostic Test  
Evaluation  
Solan-Kettering Institute for Cancer Research  
New York, NY

Widman, Lawrence E., \$179,894  
5 R01 LM05530-07  
Knowledge Based Interpretation of Cardiac

Arrhythmias  
University of Texas Health Science Center, San  
Antonio

Selker, Harry P., \$478,143  
5 R01 LM05607-03  
New Mathematical Models for Medical Events  
New England Medical Center  
Boston, MA

Elstein, Arthur S., \$93,166  
3 R01 LM05630-04  
Effect of Decision Support Systems On Clinical  
Reasoning  
University of Illinois, Chicago

Toga, Arthur W., \$217,093  
5 R01 LM05639-03  
Digital Representation and Visualization of Human  
Brain  
University of California, Los Angeles

Musen, Mark A., \$507,992  
5 R01 LM057087-03  
Software Architecture for Guideline Directed  
Therapy  
Stanford University, CA

Goldbaum, Michael H., \$265,260  
5 R01 LM05759-09  
Structured Analysis of the Retina  
University of California, San Diego

Webber, Bonnie L., \$236,000  
5 R01 LM05764-03  
Effective Information Delivery to Clinical Personnel  
University of Pennsylvania, Philadelphia

Lang, Walter P., \$97,410  
5 R01 LM05917-02  
MEDLINE and Computer Conferencing by Dentists  
University of Michigan, Ann Arbor

Sahni, Sartaj K., \$267,560  
5 R01 LM05944-03  
Algorithms for Compression and Registration of  
Brain MRI  
University of Florida, Gainesville

\*Marshall, Bryan E., \$240,944  
1 R01 LM05997-01A2  
Information Integration and Virtual Therapy in the  
SICU  
University of Pennsylvania, Philadelphia

\*Miller, Randolph A., \$344,940  
1 R01 LM06226-01A1  
Patient Care Provider Order Entry with Tactical Support  
Vanderbilt University, Nashville, TN

Good, Walter F., \$161,287  
7 R01 LM06236-02  
Non ROC Measures for Evaluating Image Compression  
Allegheny University of Health Sciences  
Philadelphia, PA

Bowden, Douglas M., \$171,051  
5 R01 LM06243-02  
Spatial/Symbolic Brain Information Management System  
University of Washington, Seattle

\*Brennan, Patricia F., \$189,000  
1 R01 LM06249-01A2  
Customized Computer Support - Home Care of CABG Patients  
University of Wisconsin, Madison

\*Huang, H. K., \$296,031  
1 R01 LM06270-01  
Digital Hand Atlas in Assessment of Skeletal Development  
University of California, San Francisco

\*Friedman, Carol, \$218,581  
1 R01 LM06274-01A1  
Unlocking Data from Medical Records with Text Processing  
Queens College, New York, NY

\*Hersh, William, \$183,419  
1 R01 LM06311-01A1  
New Model and Approach to Retrieval System Evaluation  
Oregon Health Sciences University, Portland

\*Brinkley, James F., \$298,924  
1 R01 LM06316-01  
Structure Based Visual Access to Biomedical Information  
University of Washington, Seattle

\*Grobe, Susan J., \$172,081  
1 R01 LM06325-01  
Automated Analysis of Intervention Narrative  
University of Texas, Austin

\*Luther, Paul M., \$128,043

1 R01 LM06326-01A1  
Three Dimensional Reconstruction of Synapses  
University of Maryland  
Baltimore Professional School

\*Goodwin, Linda K., \$279,649  
1 R01 LM06488-01  
Informatics Tools and Medical Perinatal Knowledge Building  
Duke University, Durham, NC

\*Ohno-Machado, Lucila, \$50,000  
1 R55 LM06538-01  
Component Based Tools for Connectionist Classification  
Beth Israel Deaconess Medical Center  
Boston, MA

\*Haug, Peter J., \$189,816  
1 R01 LM06539-01  
Semantic Parser for Medical Free Text  
LSD Hospital, Salt Lake City, UT

Letovsky, Stanley I., \$87,366  
5 R01 AG13743-03  
Spatially, Oriented Database for Digital Brain Images  
Johns Hopkins University, Baltimore, MD

#### **Medical Informatics FIRST Awards**

Cooper, Gregory F., \$102,782  
5 R29 LM05291-05  
Structuring Medical Knowledge—Probabilistic Inference  
University of Pittsburgh

Balas, E. Andrew, \$34,195  
5 R01 LM05545-03  
Meta Analysis of Clinical Information Service Trials  
University of Missouri, Columbia

\*Shiffman, Richard N., \$62,831  
1 R29 LM05552-01A1  
Yale University, New Haven, CT

Lenert, Leslie A., \$112,700  
5 R29 LM05626-04  
Computer Interpretation of Free-Text Data  
Stanford University, CA

Hripcsak, George, \$113,161  
5 R29 LM0527-04  
Linking Knowledge-Based Systems to Clinical Databases  
Columbia University, New York, NY

Lehmann, Harold P., \$119,705  
 5 R29 LM05647-04  
 Formalizing the Notion of Clinical Significance  
 Johns Hopkins University, Baltimore, MD

Gorman, Paul Northrop, \$100,263  
 5 R29 LM05663-03  
 Assessment of Information Seeking in Primary Care  
 Oregon Health Sciences University, Portland

Yang, Yiming, \$95,259  
 5 R29 LM05714-03  
 LLSF Mapping for Indexing and Retrieval of  
 MEDLINE  
 Carnegie-Mellon University  
 Pittsburgh, PA

Johnson, Stephen B., \$112,172  
 5 R29 LM05783-03  
 Access to Medical Information Through Natural  
 Language  
 Columbia University, New York, NY

Tong, David A., \$83,300  
 7 R29 LM06004-02  
 Model Based Interpretation of Intracardiac  
 Electrograms  
 University of Texas Health Science Center  
 San Antonio, TX

\*Wagner, Michael M., \$95,423  
 1 R29 LM06233-01A1  
 Belief Network Based Reminder Systems That Learn  
 University of Pittsburgh

Rutledge, Geoffrey W., \$122,489  
 5 R29 LM06235-02  
 Advanced Computer Methods for ICU Care  
 Beth Israel Deaconess Medical Center  
 Boston, MA

Langlotz, Curtis P., \$106,335  
 5 R29 LM06238-02  
 Computer-Based Explanation Methods for Decision  
 Models  
 University of Pennsylvania, Philadelphia

Shahar, Yuval, \$106,135  
 5 R29 LM06245-02  
 Knowledge Based Temporal Abstraction of Clinical  
 Data  
 Stanford University, CA

\*Rolland, Jannick P., \$100,037  
 1 R29 LM06322-01A1

3D Dynamic Anatomy—A Virtual Reality Prototype  
 University of Central Florida, Orlando

\*Brummer, Marijn, \$155,512  
 1 R29 LM06486-01  
 Interactive 4D Visualization of Congenital Heart  
 Disease  
 Emory University, Atlanta, GA

**Biotechnology FIRST Awards**

Karp Peter D., \$113,809  
 5 R29 LM05413-05  
 Biological Knowledge-Base Management System  
 SKI International  
 Menlo Park, CA

Wu, Cathy H., \$98,580  
 5 R29 LM05524-05  
 Classification Neural Networks for Genome Research  
 University of Texas Health Center, Tyler

Altman, Russ B., \$107,963  
 5 R29 LM05652-04  
 Modeling and Computing with Uncertain Structures  
 Stanford University, CA

Goldstein, Richard A., \$87,255  
 5 R29 LM05770-03  
 Computational Approaches to Protein Structure  
 Prediction  
 University of Michigan, Ann Arbor

**Research Training in Medical Informatics**

Shortliffe, Edward H., \$642,509  
 2 T15 LM07033-14  
 Graduate Training in Medical Information Sciences  
 Stanford University, CA

Gatewood, Lael C., \$414,129  
 2 T15 LM07041-14  
 Research Training in Medical Informatics  
 University of Minnesota , Twin Cities  
 Minneapolis, MN

\*Miller, Perry L., \$331,436  
 2 T15 LM07056-11  
 Medical Informatics Research Training at Yale  
 Yale University, New Haven, CT

\*Friedman, Charles P., \$370,249  
 2 T1507059-11  
 Pittsburgh Medical Informatics Training Program  
 University of Pittsburgh

\*Downs, Stephen M., \$488,219  
 2 T15 LM07071-06  
 Duke - UNC Training Program in Medical Informatics  
 University of North Carolina, Chapel Hill

\*Clayton, Paul D., \$517,778  
 2 T15 LM07079-06  
 Medical Informatics Research Training at Columbia  
 Columbia University  
 New York, NY

\*Spackman, Kent, \$169,192  
 2 T15 LM07088-06  
 Training Program in Health Informatics  
 Oregon Health Sciences University, Portland

\*Mitchell, Joyce A., \$365,215  
 2 T15 LM07089-06  
 Medical Informatics Research Training Program  
 University of Missouri, Columbia

\*Greenes, Robert A., \$1,007,939  
 2 T15 LM07092-06  
 Harvard-MIT-NEMC Research Training in Health Informatics  
 Harvard University, Boston, MA

\*Gorry, G. Anthony, \$415,451  
 2 T15 LM07093-06  
 Training Program in Computational Biology and Medicine  
 Rice University, Houston, TX

\*Tierney, William M., \$129,718  
 1 T15 LM07117-01  
 Regenstrief Medical Informatics Research Fellowships  
 Indiana University  
 Purdue University at Indianapolis

\*Gardner, Reed M., \$263,715  
 1 T15 LM07124-01  
 University of Utah Medical Informatics Training  
 University of Utah, Salt Lake City

**Small Business Innovative Research (SBIR)  
 Small Business Technology Transfer Grants (STTR)**

\*Marcotte, Thomas D., \$99,830  
 1 R41 MH57593-01  
 Development of Simulations to Detect Impaired Drivers  
 Systems Technology, Inc.

Hawthorne, CA

\*Delaney, Gerald T., \$100,000  
 1 R43 LM06295-01A1  
 Web-Based Multimedia Access to Radiologic Information  
 Sudbury System, Inc.  
 Sudbury, MA

\*Frawley, Sandra J., \$99,829  
 1 R43 LM06330-01  
 Linking Web-Based Retrieval to An Online Patient Record  
 Medical Decision Associates, Inc.  
 New Haven, CT

\*Marchisio, Giovanni, \$99,761  
 1 R43 LM06520-01  
 Bayesian Textual and Multimedia Information Retrieval  
 Mathsoft, Inc. ,Seattle, WA

\*Myers, Glenn A., \$100,000  
 1 R43 LM06522-01  
 Customizable AAC System Using Context Information  
 Adaptive Computer Systems, Inc.  
 Iowa City, IA

**Medical Informatics Resource Grants**

Shortliffe, Edward H., \$238,169  
 3 P41 LM05305-05S2  
 Center for Advanced Medical Informatics  
 Stanford University, CA

Markley, John L., \$430,010  
 5 P41 LM05799-02  
 Biological Magnetic Resonance Data Bank  
 University of Wisconsin, Madison

**Medical Informatics, Research Career Development Award**

Sonnenberg, Frank A., \$72,630  
 5 K04 LM00096-04  
 Knowledge Management for Clinical Decision Analysis  
 University of Medicine and Dentistry  
 R. W. Johnson Medical School  
 Piscataway, NJ

**Biotechnology Resource Grants**

Smith, Temple F., \$952,184

5 P41 LM05205-14  
Biomolecular Engineering Research Center  
Boston University

Hardison, Ross, \$220,893  
5 R01 LM05773-03  
Network Server for Electronic Genetic Analysis  
Pennsylvania State University, University Park

Ledley, Robert S., \$1,133,745  
5 P41 LM05798-03  
Protein Information Resource  
National Biomedical Research Foundation  
Washington, DC

Pagon, Roberta, \$149,032  
5 P41 LM06001-02  
Helix—A Directory Of Medical Genetics  
Laboratories  
Children's Hospital and Medical Center  
Seattle, WA

\*Pagon, Roberta, \$292,362  
1 P41 LM06029-01A1  
GENLINE - An Electronic Clinical Genetics  
Knowledge Base  
University of Washington, Seattle

Jurka, Jerzy W., \$253,972  
5 P41 LM06252-02  
REPBASE - A Database of Repetitive Sequences  
Genetic Information Research Institute  
Los Altos, CA

### **Cooperative Agreements**

Barnett, Guy O., \$459,128  
5 U01 LM05854-03  
Point of Care Computer Based Ambulatory Patient  
Record  
Massachusetts General Hospital, Boston

Hersh, William R., \$249,900  
5 U01 LM05879-03  
Vocabulary and Text Data Extraction from the EMR  
Oregon Health Sciences University, Portland

Safran, Charles, \$117,300  
3 U01 HS08749-03S1  
Sharing Paperless Records Among Provider  
Networks  
Beth Israel Deaconess Medical Center  
Boston, MA

### **Conference Grants**

\*Moult, John, \$43,800  
1 R14 LM06319-01  
Assessment of Protein Structure Prediction  
Maryland Biotechnology Institute  
College Park, MD

\*Dunker, A. Keith, \$14,000  
1 R13 LM06323-01A1  
Pacific Symposium On Biocomputing  
Washington State University, Pullman

# INDEX

## A

Abridged Index Medicus.....	11
Acquisitions .....	7
Advanced Medical Imaging Tools .....	38
Africa .....	1
African-American History Month .....	14
Agency for Health Care Policy and Research .....	9, 32
Agency for Toxic Substances and Disease Registry... 21, 23	
AI/RHEUM.....	30
AIDS Outreach.....	22
AIDSDRUGS.....	22
AIDSLINE .....	22, 58
AIDSTRIALS.....	22
Application Programming Interface.....	28
Applied Informatics Fellowships .....	52
Appropriation.....	60
Ariel .....	36
Artificial Intelligence .....	30
ASN.1.....	47
Association of American Indian Physicians.....	64
Asynchronous Transfer Mode .....	41
Audiovisual Program Development Branch.....	24
Audiovisual Research.....	34
Automating Data Entry into MEDLINE .....	35

## B

BankIt.....	48
Bibliography of Acute Diarrhoeal Diseases .....	2
Bibliography of Major Tropical Diseases .....	2
Bibliography on Alternatives to the Use of Live Vertebrates in Biomedical Research and Testing.....	23
Bibliography on Environmental Justice .....	23
BIOETHICSLINE.....	53
Biomedical Ethics .....	53
Biomedical Library Review Committee .....	54
Biotechnology Informatics.....	52
BLAST .....	45, 48
Board of Regents.....	54, 62
Board of Scientific Counselors .....	24

## C

Canada Institute for Scientific and Technical Information	12
Cancer Genome Anatomy Project .....	41, 46
Cataloging .....	9
Categorical Grammar.....	29
Centers for Disease Control and Prevention .....	13, 32
Chemical Abstracts Service.....	21
Chemical Carcinogenesis Research Information System .	21
ChemID .....	21
CHEMLINE .....	21
Clinical Alerts .....	32
COEV.....	31
Cognitive Science Branch .....	24

Collection Access Section .....	12
Collection Development .....	7
Communications Engineering Branch .....	25
Computer and Information Science Research.....	26
Computer Science Branch .....	25
Conference Grants .....	53
Congressional Black Caucus .....	64
CONSER .....	58
Consumer health .....	10
Coolidge High School .....	39
CRADA .....	37
CTX.....	30
Current Bibliographies in Medicine .....	11
Customer satisfaction survey .....	11
Customer Service Reinvention project .....	12
CustomerQ.....	56

## D

DeBakey .....	41
Developmental and Reproductive Toxicology.....	21
Digital Libraries Initiative .....	42
Digital Library Research.....	26
Digital Manuscript project.....	9
Digital Microscopy System.....	40
Digital radiological atlas.....	38
Digital X-ray Imaging Projects.....	37
Director's Award .....	63
DIRLINE .....	22
Disabilities.....	64
Distributed Learning Environments.....	39, 40
Diversity Council.....	63
DOCLINE.....	12, 37, 59
Document delivery.....	11, 60
Document Image Analysis .....	36
DocView.....	36
DXPNET .....	38, 39

## E

Educational technology .....	53
EEO Manager .....	64
Electronic health information .....	43
ELHILL .....	32, 57
Entrez.....	45, 46
Environmental Mutagen Information Center.....	21
Environmental Protection Agency.....	20
Equal Employment Opportunity.....	64
Evidence Reports.....	32
Exhibits.....	13, 48
Expert Systems Program.....	30
Expressed Sequence Tags.....	45
Extramural Program.....	49
Extramural Programs .....	50
Extramural Programs Subcommittee .....	54

## F

First Independent Research Support and Transition Award .....	52
Foreign surcharge.....	11
Friends of the National Library of Medicine.....	14

## G

G7 Global Healthcare Applications Project .....	2
GenBank.....	10, 45, 47, 48
Gene Map.....	45
GENE-TOX .....	21
Georgetown University .....	53
Grateful Med .....	10, 57

## H

Hazardous Substances Data Bank .....	20
Health Hotlines .....	22
Health Sciences Serials .....	11
Health services research .....	14
Hearing impaired.....	64
High Performance Computing and Communications .....	25, 53
Hispanic Medical Association.....	64
HISTLINE.....	10
Historical books .....	7
Historical Exhibitions and Programs.....	13
History exhibit.....	43
History of Medicine Division.....	9, 12, 13, 26, 43
HSTAT.....	10, 32

## I

IAIMS .....	51
ILS .....	6
Images from the History of Medicine.....	9
Indexing .....	9
Indexing backlog.....	6, 10
Indexing Initiative .....	10, 26
Informatics Training Programs.....	52
Information Access Grants.....	50
Information Sources Map.....	27, 28
Information Systems Grants .....	50
Information Systems Laboratory .....	58
Inquiry .....	58
Institute of Medicine .....	3, 20
Integrated Library System .....	56, 60
Integrated Risk Information System.....	21
Interlibrary loan.....	12
International Council For Scientific And Technical Information .....	2
International MEDLARS Centers .....	2
International Programs .....	1
International Visitors.....	3
Internet .....	3, 12, 13, 22, 30, 41, 47
Internet Connection Grants .....	51
Internet Grateful Med.....	10, 12, 31, 56, 60

## K

Knowledge Source Server .....	28
-------------------------------	----

## L

Largo Senior High School .....	64
Learning Center for Interactive Technology .....	24, 40
Library Associate Program .....	52
Library of Congress .....	9
Library Operations.....	6
Licensees .....	11
Lindberg .....	2
Literature Selection Technical Review Committee.....	10
Loansome Doc.....	59
Long Range Plan .....	1

## M

Machine Learning Project.....	30, 31
Mali .....	2
Manuscript collections.....	7
MARC cataloging records .....	11
MARS.....	35
Medical informatics .....	50, 51, 52
Medical Informatics Training .....	39
Medical Library Association.....	62
Medical Subject Headings .....	8
MedIndEx .....	30, 31
MEDLARS Management Section.....	12
MEDLINE .....	10, 27, 31, 35, 41, 45
MEDRECS .....	59
MeSH Supplementary Chemicals .....	11
Metathesaurus.....	8, 27, 29, 40
Minorities .....	52
Minority Support .....	53
MIRS .....	39
Mississippi Delta Project .....	23

## N

National Academy of Sciences .....	43
National Assn. for the Advancement of Colored People ..	64
National Assn. of Health Services Executives .....	64
National Cancer Institute .....	21
National Center for Biotechnology Information .....	9, 44, 64
National Center for Toxicological Research.....	21
National Health and Nutrition Examination Survey (NHANES).....	37
National Information Center on Health Services Research and Health Care Technology .....	14, 60
National Information Infrastructure .....	25
National Institute of Environmental Health Sciences .....	21
National Institute of Nursing Research .....	52
National Institute of Occupational Safety and Health.....	21
National Medical Association.....	64
National Network of Libraries of Medicine.....	3, 13, 32, 45
National Online Training Center .....	11
National Performance Review .....	60
Native Americans .....	4

Natural Language Systems .....	27, 29
New York Academy of Medicine .....	11
Next Generation Internet .....	25, 41
NHANES .....	38
NIAMS .....	37
NICHSR .....	14
NIH Consensus Development Conferences.....	11
NLM Associate Program.....	14
NLM Classification.....	9

## O

Object Oriented Information Retrieval.....	32
OCLC.....	11
Office of Computer and Communications Systems.....	56
Office of Public Information .....	13
OLDMEDLINE.....	10, 58
Online Databases.....	10
Open house.....	13
Optical character recognition .....	10
Outreach.....	3, 23, 53
Outreach initiative .....	13

## P

Pacific Northwest Regional Medical Library .....	4
Partners in Information Access for Public Health Professionals .....	13
Patent Number.....	36
Planning Grants for Education and Training.....	51
PREMEDLINE .....	58
Preservation.....	8
Prince George's County .....	64
Print and Electronic Publications.....	11
Public Health Service Historian .....	43
Publication Grant Program.....	53
PubMed.....	10, 12, 45, 56, 60

## R

Reference and Customer Service.....	12
Regional Medical Libraries.....	13
Regional Medical Programs .....	26
Registration Server.....	56
Registry of Toxic Effects of Chemical Substances.....	21
Reinventing Government .....	54
Reinvention .....	6, 56
Reinvention Laboratory.....	60
Relais.....	12, 56, 60
Research Grants .....	52
Resource Grants .....	50
Rogers Award.....	62
Russia.....	2

## S

SBIR/STTR.....	53
Selection.....	7

Semantic Knowledge Representation .....	29
Sequin.....	47
Shalala .....	2
Shannon Award .....	52
Small Business Innovation Research.....	53
Sourcerer .....	28
SPECIALIST.....	27, 28, 29
Standardized Reading Workstation .....	38
Student codes.....	11
System for Interlibrary Loan (SAIL) .....	37
System Reinvention .....	31, 60

## T

TEHIP.....	20
Telemedicine .....	3, 25, 42
TESS.....	58
3D Systems Project.....	33
Tours.....	13
Toxic Chemical Release Inventory .....	20
Toxicology and Environmental Health Information Program .....	20
Toxicology Data Network.....	20
Toxicology Information Outreach Project .....	23
Toxicology Tutor .....	23
TOXLINE.....	21, 22
TOXLIT .....	22
TOXNET .....	20
Training in Informatics .....	51
Training of Minorities .....	52
Training Programs .....	14

## U

Underserved populations .....	4
Unified Medical Language System.....	8, 22, 27

## V

Visible Human Project.....	33, 34, 39
Visiting Fellows.....	61
Visitors .....	3, 13
Visitors Program.....	48

## W

WebMIRS.....	39
Wheaton Regional Library.....	22
Women's History Month.....	14
Workstation for Interlibrary Loan (WILL) .....	37
World Health Organization.....	2
World Wide Web.....	11, 14, 20, 28, 40, 45, 46, 47, 58
Wynn (D-MD).....	64

## Z

Z39.50 .....	58
--------------	----