

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
NATIONAL INSTITUTES OF HEALTH
NATIONAL LIBRARY OF MEDICINE
Bethesda, Maryland

A G E N D A

50th Meeting of the

BOARD OF REGENTS

9:00 a.m., March 13-14, 1975

Board Room
National Library of Medicine

MEETING OPEN: All day on March 13 and from 9:00 to 9:30 a.m. on March 14.
MEETING CLOSED: From 9:30 a.m. to adjournment on March 14 for grant application review.

I. CALL TO ORDER AND INTRODUCTORY REMARKS Dr. W. N. Hubbard, Jr.

II. CONSIDERATION OF MINUTES TAB I (Orange Book)
OF LAST MEETING

III. DATES OF FUTURE MEETINGS TAB II
1975 and 1976 Calendars

Next Meeting: June 26-27, 1975 (Th-F)

Subsequent Meeting: November 25-26, 1975 (T-W)

Selection of Meeting Dates for March 1976

(11-12)	(16-17)	(25-26)
(Th-F)	(T-W)	(Th-F)

NOTE: American Society for Clinical Pharmacology
and Therapeutics -- Seattle, Washington
March 18-19, 1976

International Association for Dental Research
Miami Beach, Florida -- March 25-26, 1976

National Science Board -- Washington, D.C.
March 18-19, 1976

IV. REMARKS BY THE ASSISTANT SECRETARY FOR HEALTH

V. REMARKS BY THE ACTING DIRECTOR, NIH

Dr. R. W. Lamont-Havers

- VI. REPORT OF THE DIRECTOR, NLM TAB III Dr. Martin M. Cummings
- VII. HRA/NLM RELATIONSHIPS Dr. Kenneth M. Endicott
- COFFEE BREAK
- VIII. REPORT ON TECHNICAL SERVICES TAB IV Mr. Joseph F. Gantner
DIVISION Mrs. Bernice M. Hetzner,
Discussant
- IX. REPORT ON REFERENCE SERVICES TAB V Mr. Albert M. Berkowitz
DIVISION Dr. Susan Y. Crawford,
Discussant
- LUNCHEON--Catered in Conference Room "B"
Formal Photograph of Board of Regents
- X. REPORT ON BIBLIOGRAPHIC SERVICES TAB VI Mr. William H. Caldwell
DIVISION Mr. John G. Lorenz,
Discussant
- XI. REPORT ON HISTORY OF MEDICINE TAB VII Dr. John B. Blake
DIVISION Dr. Joseph F. Volker,
Discussant
- XII. REPORT ON SELECTION OF JOURNALS TAB VIII Dr. Clifford A. Bachrach
FOR INDEX MEDICUS AND MEDLINE Dr. Max Michael, Jr.,
Discussant
- COFFEE BREAK
- XIII. MEDLARS II TAB IX Mr. Davis B. McCarn
Mr. Alfred R. Zipf,
Discussant
- XIV. PROGRAM PLAN FOR LISTER HILL TAB X Dr. Robert M. Bird
CENTER Dr. W. N. Hubbard, Jr.,
Discussant
- XV. OTHER BUSINESS Dr. W. N. Hubbard, Jr.
- RECESS

DINNER Holiday Inn, Bethesda, Maryland
Cocktails (Cash Bar): 6:30 p.m. "Gallery" Room
Dinner (Dutch Treat): 7:30 p.m. "Montgomery West" Room

SPEAKER: Dr. John Z. Bowers
President
Josiah Macy, Jr., Foundation
New York, New York

TOPIC: "Historical Influences on the Rise of American Medicine"

RECONVENE: 9:00 a.m., March 14, 1975

- XVI. REPORT OF THE ASSOCIATE DIRECTOR FOR EXTRAMURAL PROGRAMS Dr. Ernest M. Allen
 - A. DRG Administrative Report TAB XI (Orange Book)
 - B. Proposed Policy on Special Information Systems TAB XII
 - C. Recent Actions - Regional Medical Library Program Mr. Arthur J. Broering

MEETING CLOSED FOR GRANT APPLICATION REVIEW

- XVII. GRANT APPLICATIONS: RESEARCH, RESOURCE, SPECIAL SCIENTIFIC PROJECTS, AND TRAINING PROJECTS Dr. Roger W. Dahlen
 - A. Research Grant Applications TAB I (Gray Book)
 - COFFEE BREAK
 - B. Resource Grant Applications TAB II
 - C. Special Scientific Project Grant Applications TAB III
 - D. Training Project Grant Applications TAB IV
- XVIII. GRANT APPLICATIONS: PUBLICATION GRANT PROGRAM TAB V Dr. Jeanne L. Brand

- XIX. ADJOURNMENT Dr. W. N. Hubbard, Jr.

Please note that there will be no Private Board Luncheon.

DEPARTMENT OF HEALTH, EDUCATION
AND WELFARE

NATIONAL INSTITUTES OF HEALTH
NATIONAL LIBRARY OF MEDICINE

BOARD OF REGENTS

MINUTES OF 50TH MEETING

MARCH 13-14, 1975

BOARD ROOM
NATIONAL LIBRARY OF MEDICINE
BETHESDA, MARYLAND

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
THE BOARD OF REGENTS OF THE NATIONAL LIBRARY OF MEDICINE

Minutes of Meeting 1/ 2/

March 13-14, 1975

The Board of Regents of the National Library of Medicine was convened for its fiftieth meeting at 9:00 a.m. on Thursday, March 13, 1975, in the Board Room of the National Library of Medicine, Bethesda, Maryland. Dr. W. N. Hubbard, Jr., President, The Upjohn Company, and Chairman of the Board of Regents, presided. In accordance with P.L. 92-463 and the Determination of the Director, NIH, the meeting was open to the public from 9:00 a.m. to 5:00 p.m. on March 13, 1975, and from 9:00 a.m. to 9:30 a.m. on March 14, and closed from 9:30 a.m. to noon on March 14 for the review, discussion, and evaluation of grant applications.

Board members present were:

Dr. Eloise E. Clark (Attended March 13 only)
Dr. Susan Y. Crawford
Vice Adm. Donald L. Custis (Attended March 13 only)
Mrs. Bernice M. Hetzner
Dr. W. N. Hubbard, Jr.
Mr. John G. Lorenz
Dr. Angelo M. May
Dr. Joseph F. Volker
Dr. Ethel Weinberg

Alternates to Board members present were:

Dr. Faye G. Abdellah, representing Dr. S. Paul Ehrlich, Jr.
Col. Mims C. Aultman, representing Lt. Gen. Richard R. Taylor
(Attended March 13 only)
Capt. J. William Cox, representing Vice Adm. Donald L. Custis on
March 14
Dr. Richard R. Drisko, representing Dr. John D. Chase
Col. Clifford R. Pollock, representing Lt. Gen. Robert A. Patterson

Board roster--Attachment "A"

1/ For the record, it is noted that members absent themselves from the meeting when the Board is discussing applications from their respective institutions (interpreted to mean the entire system of which a member's institution is a part) or in which a conflict of interest might occur. Only when an application is under individual discussion will the Board member absent himself. This procedure does not apply to "en bloc" actions.

2/ The Board of Regents, when considering the extramural programs of NLM, also constitutes and serves as the National Medical Libraries Assistance Advisory Board.

National Library of Medicine Staff members attending this meeting included:

Dr. Martin M. Cummings, Director
Mr. Melvin S. Day, Deputy Director
Dr. Harold M. Schoolman, Assistant Deputy Director
Dr. Ernest M. Allen, Associate Director for Extramural Programs
Dr. Clifford A. Bachrach, Head, Medical Subject Headings Section, LO
Mr. Albert Berkowitz, Chief, Reference Services Division, LO
Dr. Robert M. Bird, Director, Lister Hill National Center for Biomedical Communications
Dr. John B. Blake, Chief, History of Medicine Division, LO
Dr. Jeanne L. Brand, Chief, International Programs Division, EP
Dr. Charles F. Bridgman, Associate Director for Educational Resources Development
Mr. Arthur J. Broering, Deputy Associate Director for Extramural Programs
Mr. William H. Caldwell, Chief, Bibliographic Services Division, LO
Miss Mary E. Corning, Assistant Director for International Programs
Dr. Roger W. Dahlen, Chief, Division of Biomedical Information Support, EP
Mr. Ben Erdman, Deputy Director, Lister Hill National Center for Biomedical Communications
Mr. Joseph F. Gantner, Chief, Technical Services Division, LO
Dr. Henry A. Kissman, Associate Director for Specialized Information Services
Dr. Joseph Leiter, Associate Director for Library Operations
Mr. Davis B. McCarn, Associate Director for Computer and Communications Systems
Mr. Robert B. Mehnert, Chief, Office of Inquiries and Publications Management
Mr. Kent A. Smith, Assistant Director for Administration
Mr. Richard T. West, Chief, Office of Program Planning and Evaluation, EP

Others present included:

Dr. R. W. Lamont-Havers, Acting Director, NIH
Dr. Fred C. Cole, President, Council on Library Resources, Inc.
Dr. Kenneth M. Endicott, Administrator, Health Resources Administration
Dr. Richard A. Farley, Director, National Agricultural Library
Dr. Max Michael, Jr., Executive Director, Jacksonville Hospitals Education Programs, Inc.--Consultant to NLM
Dr. Seymour Perry, Special Assistant to the Director, NIH
Mrs. Ileen E. Stewart, Executive Secretary, Biomedical Communications Study Section

Members of the public present:

None

I. OPENING REMARKS

Dr. W. N. Hubbard, Jr. welcomed the Regents, alternates, and guests to the 50th meeting of the Board of Regents of the National Library of Medicine.

II. CONSIDERATION OF MINUTES OF PREVIOUS MEETING

The Board recommended approval of the minutes of the meeting of December 5-6, 1974.

III. DATES FOR FUTURE MEETINGS

The Board reconfirmed the dates of June 26-27, 1975, for the next meeting and confirmed the dates of November 25-26, 1975, for the subsequent meeting. March 11-12, 1976, were approved tentatively for the following meeting.

IV. REPORT OF THE ACTING DIRECTOR, NIH

Dr. R. W. Lamont-Havers said it was his opinion that the last five years of budgetary confusion will continue, probably to the end of 1977. It was the uncertainty of the situation, rather than a lack of dollars, that made planning difficult and led to unrest in the biomedical community. He was optimistic about the chances for relative budget stability beginning in 1978. Because the Administration's rescission effort failed, NIH will be able to make many more commitments through the end of this fiscal year.

Looking back over the last few years, it is clear that NIH has been in a period of change between two methods of doing business. In the 1950s and well into the '60s, budgetary resources were not the limiting factor. We are now entering the era in which the question is: How much can the Nation afford? Obviously the methods used to allocate resources must be quite different for the two periods. Formerly, it could be assumed that money and personnel would be forthcoming for research in a particular area. Such an assumption can no longer be made. In fact, the limited personnel resources available to NIH (and NLM) is one of the most critical problems facing us today. At the end of this year, NIH will have 168 personnel positions less than at the beginning of the year. This is occurring at a time when increasing demands and responsibilities are being made on NIH especially in the interface between the development of new knowledge and its introduction into the health care delivery system.

V. REPORT OF THE ADMINISTRATOR, HRA

Dr. Kenneth M. Endicott, Administrator of the Health Resources Administration (HRA), described for the Regents the mission and component organizations of HRA. He characterized the Health Planning and Resource Development Act of 1974 as the most significant health legislation since Medicare. The new Act replaces the Hill-Burton Hospital Construction Program, the Comprehensive Health Planning

Program, and the Regional Medical Program. Under the Act, HRA will be responsible for helping to create local "Health Service Agencies" which will blanket the country and be charged with planning and implementing health services in specific geographic regions. The Agencies will review and approve all applications for Federal health funds, except for research and health manpower education.

HRA has been operating most of this year without authorizing legislation or a budget, Dr. Endicott said. Last year's funding was \$1.4 billion; the President's budget for this year is \$600 million. The expectation is that this latter figure will be raised to about \$1 billion under the continuing resolution.

Dr. Endicott stated that a major factor in improving health resources is making the base of scientific knowledge available to those working in the health service delivery system. He cited the close cooperation and resource-sharing between the Bureau of Health Manpower Education and the National Medical Audiovisual Center and the joint programs between HRA and the Lister Hill Center as examples of successful collaborative programs in biomedical communications. Another formal agreement between NLM and HRA is now being established in the applications of advanced communications technology and computer science. Dr. Endicott announced the appointment of Dr. Herbert Pahl, former director of Regional Medical Programs, to be HRA's full-time liaison for this effort. There are extraordinary opportunities for collaboration between HRA and NLM in the development and expansion of our missions to improve health services in the U.S.

VI. REPORT ON THE PRESIDENT'S BIOMEDICAL RESEARCH PANEL

Dr. Seymour Perry, Special Assistant to the NIH Director, and NIH representative to the Panel, described the background leading to the establishment of the Panel. The Panel was created by the 1974 legislation renewing the National Cancer Act, which called for a group with a 15-month lifespan to look at biomedical research. Dr. Franklin Murphy has been appointed Chairman, Dr. Robert H. Ebert, Vice Chairman. The legislation charges the Panel with assessing biomedical and behavioral research in the U.S., particularly that funded by the Federal Government, and to make policy recommendations in this area to Congress and the President. Two-day meetings, beginning in February, are scheduled for each month until the Panel's work is finished.

At the Panel's first meeting, Dr. Murphy emphasized that NIH and ADAMHA (the two agencies on which the Panel will concentrate) cannot be examined in a vacuum. Health research must now compete for resources with other priorities of society, such as the environment and housing. He also voiced the concern that advances in biomedical research are not translated into corresponding advances in health care delivery. The concept of cost effectiveness in biomedical research will also be examined by the Panel. Other topics identified at the first meeting for future study were: analysis of expenditures by agency and instrumentality; fundamental versus applied research; sources of medical school funding (are they too dependent on Federal funding?); staffing at NIH; organizational location of NIH; analysis

of quality of biomedical research; analysis of funding by disease category; impact of biomedical research on health care delivery; and the impact of health insurance on the manpower requirements of biomedical research. At the next meeting, the Panel will be briefed by NIH and ADAMHA; of particular interest will be the BID missions, how priorities are set, funding mechanisms (grants versus contracts), and the relationship between intramural and extramural programs.

VII. REPORT OF THE DIRECTOR, NLM

Dr. Martin M. Cummings introduced to the Regents Mr. Ben Erdman, newly appointed Deputy Director of the Lister Hill Center. Dr. Cummings briefly reviewed the status of the Library's budget and personnel: NLM has maintained its budget levels with regard to dollar figures. However, NLM has had its personnel ceiling reduced by six to 458 positions. A new personnel plan has been drawn up in response to this cut, which provides that the Lister Hill Center's Educational Technology Branch and a similar function at the National Medical Audiovisual Center will be consolidated in Atlanta. This move, which will reduce the requirements for management personnel, is the first step in the long-range plan to bring NMAC and the LHC into closer association.

Dr. Cummings announced to the Regents that the Supreme Court, by a vote of four to four, has upheld a lower court's finding for NLM in the Williams & Wilkins copyright lawsuit. He commented that the support for NLM came principally from the library community and, to a lesser degree, from the educational community. The science community does not seem awake to the threat to their interests posed by the suit. Congress, through revised copyright legislation, may bring a final resolution to the long-standing problem of protecting the rights of authors and publishers and the rights of libraries and users. Dr. Cummings also reported on litigation in another area--that concerning a contract with Sanders and Associates to develop a graphic image storage and retrieval system (GRIS). The contract, for about a half million dollars, was terminated in 1972 by the Library for default. Sanders appealed the termination and, on January 7, 1975, the Armed Services Board (designated to decide such appeals) upheld the NLM action and ruled the termination for default was justified.

Dr. Cummings reported that the Library is being requested by the Systems Development Corporation (SDC) and the Information Industry Association to make MEDLARS and MEDLINE computer tapes available under the Freedom of Information Act. The Director presented a chronology of events leading up to the present situation, including a description of how the software evolved from ORBIT (developed by SDC for the Defense Department) to ELHILL (developed for NLM) at a total cost of about \$9.5 million--all but about \$100,000 provided by the Federal Government. There is no question that NLM owns ELHILL III, the latest software package for MEDLARS/MEDLINE, although the Library agreed that it would not provide the software package to any other commercial vendor for a period of two years. Likewise, there is no question about the propriety of NLM generating the MEDLARS/MEDLINE data base with taxpayer money--this is reported every year to Congress and to

the Office of Management and Budget. Several years ago the question was raised as to whether the data bases were included among those materials that must be available to the public under the Freedom of Information Act. Although it is quite clear they are exempted by DHEW regulation from the Act's requirements, NLM nevertheless has received a request from SDC to provide the NLM data base tapes for the simple cost of reproducing them. The HEW Freedom of Information Office and the HEW Office of General Counsel supported NLM's position in denying SDC's request. Litigation resulting from this denial is quite possible.

Related to this situation, Dr. Cummings reported that an HEW Audit Team had recommended in its report on NLM that the Library increase its fees to the pharmaceutical industry for accessing TOXLINE. The Library's position is that to do so would be discriminatory and would deny equal access to all institutions and members of the health community. The complexity of the situation is compounded by the fact that since 1969 the Pharmaceutical Manufacturers Association (PMA) has been providing NLM with the equivalent of \$30,000 indexing input annually in return for MEDLARS tapes. The tapes were also for sale at this price through the National Technical Information Service. PMA wanted to provide MEDLARS services to its members both because NLM did not have adequate computer capability to serve those members and because there was a need to maintain the confidentiality of searches. Last year NLM announced a price increase from \$30,000 to \$50,000 and PMA decided that its members would do better to join the MEDLINE network. Since the recently upgraded computer capacity at NLM made this possible, and since there was no problem with protecting the confidentiality of on-line searches, NLM agreed. The fact that PMA had been paying SDC to provide MEDLARS services for its members, however, has led to a dilemma for SDC. NLM is now able to provide relatively inexpensive search services to a significant portion of the health community (pharmaceutical industry) which heretofore had used the search services of a profit-making organization--namely SDC.

Out of this complex chain of events, Dr. Cummings said, there are two separate issues that should be addressed by the Board of Regents:

1. Library policy with respect to the private sector of the health industry: Do we reaffirm the long-standing policy that NLM has an obligation to provide equal service to all members of the health community?
2. With regard to the issue raised by the HEW Audit Team: Should the pharmaceutical industry be charged a higher rate for TOXLINE use than non-commercial users?

Dr. Hubbard absented himself from the ensuing discussion because of a possible appearance of conflict of interest; Dr. Volker took the Chair temporarily.

Mrs. Hetzner opened the discussion, and offered a prepared statement:

"The primary mission of NLM is the dissemination of biomedical information, and the ultimate beneficiary of this program is the general public. Various mechanisms have been established to achieve this objective. One of the characteristics of the

program is to identify a qualified user, taking into consideration the public interest. The next step is to insure to all qualified users an equal access to the system, insofar as that is possible. A differential pricing structure would inhibit the normal process of biomedical communication/dissemination by placing the burden of proof of need and intent on the user, as well as to place a burden on the dispenser of the service to identify the intent of the user of information supplied--clearly outside of the jurisdiction of the purveyor of the service. Such consideration applies to individuals as well as institutions."

After discussion, Mrs. Hetzner moved the adoption of a resolution on this subject, which was seconded by Dr. May. Discussion of the resolution clarified costs and charges. Dr. Cummings noted that NLM spends about \$1 million per year to generate the data base, and that PMA use represents about three percent of the on-line usage of the system. Mrs. Hetzner's resolution was adopted unanimously by the Regents (see Resolution No. 1--Attachment "B").

With regard to the propriety of the arrangements between NLM and PMA, Mrs. Hetzner offered a second resolution reaffirming the Library's policy and actions. The resolution was seconded by Dr. May. After discussion and several amendments of the wording of the resolution, it was passed unanimously (see Resolution No. 2--Attachment "B"). Dr. Hubbard took the Chair again after this action.

VIII. REPORT FROM THE TECHNICAL SERVICES DIVISION (TSD)

Mr. Joseph F. Gantner, Chief of TSD, one of the four major Divisions of Library Operations, described the goals, functions, and organization of TSD. The principal goals of the Division are to (1) acquire the biomedical literature for the collection; (2) help the other three Divisions provide services; (3) provide the materials for NLM to backstop the Regional Medical Library Network; and (4) provide authoritative bibliographic data to the library community. TSD is organized into three Sections: Selection/Acquisition, Serial Records/Binding, and Cataloging. The Division has 63 full-time staff members.

Each year approximately 21,000 bibliographic citations are searched by TSD, resulting in the acquisition of some 14,000 titles for the collection--8,000 received as a result of individual orders placed, 6,000 received through exchange or as gifts. The identification, acquisition, and control of this material results in a yearly total of 100,000 searches in NLM machine-readable data bases. Of the 14,000 new titles acquired each year, NLM catalogs about 12,000; the remainder is cataloged by cooperative cataloging partners. These are then entered into CATLINE (Catalog On-Line). NLM receives about 23,000 serial titles which result in 110,000 serial issues being checked against the central serial record each year. As a result, some 87,000 issues are added to the collection every year. In the binding area, approximately 32,000 volumes are pulled from the shelves each year and sent out for binding. To assist the massive bookkeeping effort, TSD has developed several on-line management systems. INPROC (Inprocess File) became operational in January 1974 and allows automated generation of orders, claiming and cancellation, new title lists, and dealer statistics. INPROC also controls

the shared cataloging program with the Library of Congress, contract cataloging, and cooperative cataloging with five university-based partners. An on-line accounting file (INVOICE) has also been developed to provide management control over payment and the status of invoices. A Master Serials System is being planned and will be implemented during FY 1975. Based upon the existing on-line serials system (SERLINE), the Master Serials System will provide bibliographic data for all NLM serial titles. The system will provide subscription data and control, serial gap and claiming (missing issues and volumes) control and procurement, binding information and control. When finally developed, the Master Serials System will be able to provide control over the entire NLM serial record file, including journal issue check-in of approximately 23,000 titles.

Responding to Mr. Gantner's presentation, Mrs. Hetzner commented that the Technical Services Division has one of the least glamorous but most intellectual functions in the Library. A high degree of competent administrative management is required for its successful completion and from the statistics Mr. Gantner presented, it is evident that TSD has accomplished much with little. The authoritative bibliographic information provided by TSD is extremely important for medical libraries around the country. The automated programs, CATLINE and SERLINE, have also been of great assistance to those libraries with access to the systems. The cooperative programs--distribution of MARC tapes, Cataloging in Publication, and CONSER--are vitally important. Mrs. Hetzner suggested that, because of the essential nature of its work, TSD be given special consideration in any future manpower shortages. Dr. Hubbard added that the systematic and accurate acquisition, filing, cataloging, and controlling of documents is the foundation of the entire system and is every bit as important as the more dramatic programs that receive more attention. He also stated that defining cost effectiveness exclusively in terms of ultimate consumer benefit, while it has a certain validity in some applications, when applied to an operation like the Library, results in poor support from other functions which are nevertheless dependent on the Library's resources.

IX. REPORT FROM THE REFERENCE SERVICES DIVISION (RSD)

Mr. Albert M. Berkowitz, Chief of RSD, described for the Regents the organization and major functions of that Division. RSD, with a staff of 59, has responsibilities for providing reference and reader services, interlibrary loans, micropreservation of deteriorating portions of the collection, and maintaining the collection. RSD has three operating Sections: Reference, Loan and Stack, and Photoduplication. The Division has several service responsibilities. It is the backstop for document delivery to Regional Medical Libraries; functions as the service component for Region IV (Mid-Atlantic Region); and serves as the area resource for medical libraries inside the Washington beltway.

Mr. Berkowitz presented a number of key statistical indicators pointing up the magnitude of RSD's workload. Over 200,000 requests for loans will be received in FY 1975, the great bulk of which will be processed within four days of receipt. One recent innovation in interlibrary loan is an experiment with the British Library - Lending Division (BLLD), whereby NLM refers certain requests it is unable to fill. BLLD has been able to fill about 70 percent of the 10,000 requests sent them. RSD will receive about 27,000 requests for reference

assistance this year. The Literature Search program continues at a steady pace. The Division sends out over 40,000 of these 97 different specialized bibliographies each year in response to requests. Reading room patrons (19,000 this year) will request over 80,000 items from the collection. In the area of micropreservation filming, the Division will oversee the filming of two million deteriorating pages in FY 1975, both in-house and under contract.

RSD is beginning three new activities to improve services: A program to fill gaps in the high-use serial collection; an inventory of the monograph collection; a development of a system called DOCLINE (Document Delivery On-Line), using the computer to shunt a document request to a Resource or Regional Medical Library. The arrangement with the British Library - Lending Division, described earlier, is actually the first module in this system. Among the problems identified by Mr. Berkowitz were ever-decreasing space available for the collection and the increase in workload unaccompanied by an increase in staff.

Dr. Crawford, commenting on Mr. Berkowitz's presentation, noted that RSD is not only the primary interface between the public and the Library, but it is also the backbone of the Regional Medical Library Network. According to her statistics, NLM receives 750 interlibrary loan and 112 reference requests each day. She echoed Mr. Berkowitz's concern for the increasing workload (which she estimated at 10 to 14 percent per year between 1972 and 1974), a level staff, and decreasing space. Dr. Crawford summarized by saying that Mr. Berkowitz and his staff are to be commended for their efforts in coping with these problems.

Captain Cox raised the question of whether NLM could make value judgments as to the qualitative validity of requests for services, focusing our efforts on those deemed to be most important. Following this idea, Dr. Hubbard suggested that, since 70 percent of loan requests are filled on the first pass, perhaps the remaining 30 percent could be submitted to qualitative analysis before expending more time and effort in filling them. Dr. Cummings said that we cannot separate the more important requests from the less important--we must treat them all the same. Dr. Leiter suggested that another solution would be simply to reject all improperly cited requests and not to spend time in trying to determine what the requester really wants.

X. REPORT FROM THE BIBLIOGRAPHIC SERVICES DIVISION (BSD)

Mr. William H. Caldwell, Chief of BSD, described the mission of his Division as the functional operation of MEDLARS. An in-house staff of about 50 (and another 50 persons outside the Library) are engaged in indexing activities, MEDLARS management, and providing computer search services.

The tremendous task of indexing some 3,000 journals for MEDLARS is done by indexers here at NLM and at other institutions around the world. Each year some 225,000 articles are indexed and the citations put into MEDLARS. The 75 percent of the indexing done by foreign MEDLARS centers and domestic contractors is reviewed for accuracy by the Indexing staff before being put into the system. The Indexing Section is also heavily involved in training indexers from all over the world so that qualified professionals are available to maintain the flow of citations.

The Division's MEDLARS Management Section has the responsibility for the production of the bibliographic publications derived from MEDLARS and the management of the on-line MEDLINE search service. The publications include Index Medicus and about 25 other recurring bibliographies sponsored by the Library in cooperation with other government agencies and with professional organizations. The Section also prepares a monthly Technical Bulletin which is sent out to all search analysts and MEDLINE centers. The major function of this Section, however, is managing and coordinating the MEDLARS/MEDLINE network. It serves as the contact point for search analysts in MEDLINE institutions around the country. There are now ten different on-line files, in addition to MEDLINE, which are available to on-line users.

The Search Section provides search services for users in the D.C. area who do not have access through a library and for users in AID countries. The Section also serves as a backup for Region IV (Mid-Atlantic Region). Search analysts in the Search Section serve as expert consultants for handling exceptionally difficult searches.

Since MEDLINE became operational in 1971, BSD has held 22 MEDLINE training classes for a total of 277 health science librarians from all over the country. A similar program at UCLA has trained about 125 MEDLINE users from the West Coast. This training is vitally important, Mr. Caldwell emphasized, if MEDLINE is to continue to enjoy its high reputation for effectiveness.

Mr. John G. Lorenz, responding to Mr. Caldwell's presentation, asked several questions about the cost benefits of in-house versus contract indexing and whether there are plans for an overall evaluation of the on-line systems. Mr. Caldwell said that there have been no cost studies of in-house versus contract indexing. Dr. Leiter added that in-house indexing costs are about \$2.83 per citation as compared with \$2.75 for contract indexing. Concerning an overall evaluation of MEDLINE, Mr. McCarn said that his office was developing a sample survey of MEDLINE users to find out what the system is being used for and who is using it. Dr. Weinberg raised a question as to whether MEDLINE is widely known among practicing physicians. Dr. Cummings responded that it is difficult to ascertain how extensively MEDLINE (or NLM for that matter) is known throughout the practicing community. He noted, however, that professional societies have been very generous in inviting the Library to publish articles about its services. For example, the new editor of JAMA will run a prominent piece on the Library in an upcoming issue.

XI. REPORT FROM THE HISTORY OF MEDICINE DIVISION (HMD)

Dr. John B. Blake, Chief of HMD, described his Division's activities as being quite similar to TSD's, RSD's, and BSD's combined--except for a restricted portion of the collection. The history of medicine collection includes books and journals printed before 1871, manuscripts, oral history material, and a large collection of prints and photographs. The Division prepares an annual bibliography of current material in the history of medicine and professional staff are engaged in original research. HMD has the smallest staff of the Divisions of Library Operations--18.

The acquisition of books and journals from dealers has been fairly steady over the last few years. A problem associated with this activity is the slow rate of payment to the dealers by NIH. This is affecting the willingness of rare book dealers to sell to NLM. The Division has published catalogs of its incunabula and 16th century holdings; the 17th century cataloging is almost completed; and a beginning has been made on the 18th century. Public services, as measured by interlibrary loans and reader services, have shown a substantial long-trend increase over the past decade.

Since the oral history program was begun in 1966, approximately 520 hours (10,880 pages) have been acquired. Last year it was decided to place more emphasis on the collection of manuscripts and less on oral history interviewing. HMD has over 60,000 prints and photographs relating to the history of medicine. Because of limited personnel resources, there is little acquisition activity in this area, although there is considerable work in filling requests for photographic copies of the material. The Bibliography of the History of Medicine, Issue No. 8, for material published in 1972, will be out soon. This annual index has been well received in the scholarly community. As MEDLARS II becomes fully implemented, it will be possible to begin computerizing the production of the bibliography. In the area of independent research, Dr. Blake noted that HMD has five staff members regularly publishing in scholarly journals. Much of this research and writing is carried on outside of normal duty hours.

Dr. Blake described HMD as a marginal operation, at least as far as its manpower is concerned. Any decrease in staff would inevitably mean the elimination of a program. Any increase in staff should be applied to strengthening existing programs and services, rather than embarking on new programs.

Dr. Volker, responding to Dr. Blake's presentation, commented that the Division's scholarly productivity is impressive. He himself has used the Division's services and he feels they are most helpful and well managed. Dr. Volker expressed his concern about the bill-paying problem and said that if we are to remain competitive in the rare book market, it will be necessary to solve it.

XII. REPORT ON SELECTION OF JOURNALS FOR INDEX MEDICUS

Dr. Clifford A. Bachrach, Head of the Medical Subject Headings Section (MSH), described the process by which journals are selected for indexing in Index Medicus. The selection procedure has been a subject of great importance to the Library ever since Index Medicus began publication in 1871. Of the more than 20,000 serials received by NLM, about 2,400 are indexed (yielding some 200,000 citations per year). Additional citations in certain areas, such as nursing and dentistry--about 10,000 to 12,000 per year--are put into MEDLINE but not into Index Medicus.

Before 1964 the selection of journals was done by NLM staff. Since that time, however, the Library has used the services of a group of expert consultants, including distinguished medical educators, medical editors, and medical librarians. The consultants review newly acquired serials (or ongoing serials that we have been asked to reconsider) and record their judgments on a scale of 1 (approval) to 5 (disapproval). The resulting ranking of serials is used as the basis for adding titles to the system, or for retaining them.

In reviewing a journal, the consultants are primarily concerned with the quality of the articles. The consultants seek to answer such questions as: Is the author well acquainted with the work of others in the field? Has he made and recorded his observations carefully? Has he adequately described his methods? Has he presented his results clearly? Has he analyzed his data reasonably? Do his data support his conclusions? Is the article clearly written?

The consultants have language capabilities in the common Western languages. But it is evident that any consultant would have subject-matter limitations in evaluating many journals. It is our experience, however, that a consultant who lacks expert knowledge of the subject of a given journal very frequently arrives at the same conclusion as a consultant who possesses such subject knowledge.

Dr. Bachrach said that certain kinds of articles tend to lead the consultants to downgrade a journal. Among these are recitals of personal opinions, symposia of interchanges of unsubstantiated opinion, uncontrolled studies, studies of the effects of proprietary preparations when sponsored by the manufacturer of the preparations, and uncritical reviews.

Other factors considered by the consultants are the existence of an active editorial board, the sponsoring organization, editorial standards, and adequate illustrations and tabular material. As to language, MEDLARS attempts to include biomedical literature that is of international significance in any language. The consultants do show a tendency, however, to give preference to journals that contain English abstracts. It is difficult, Dr. Bachrach said, to find qualified consultants for literature not written in one of the common Western languages. In recent years, we have received evaluations of the journal literature of Japan, Latin America, and France--the evaluations solicited by the staff of the MEDLARS Centers for these areas. It is interesting to note that the French reviewers were much more critical of the literature of that country than NLM's consultants.

If an acceptable journal contains a high proportion of articles that are "in scope," all original articles in each issue are indexed. Journals with a high proportion of articles not "in scope," e.g., Science or Nature, are indexed selectively. Dr. Bachrach concluded by saying that in recommending against the abstracting of a given journal, the consultants are not passing judgment on the value of the journal for its regular readers.

Dr. Max Michael, Jr., a former Regent who has served on the Journal Selection Panel, commented on several of the problems faced by the selectors. He suggested that language difficulties might be alleviated by forming special ad hoc panels of scientists in the U.S. who have competence in the different languages. This could be done with the assistance of the medical schools. Dr. Michael also discussed the problem of the commercial or controlled-circulation journals (the "throwaways"). Some contain original articles which might deserve indexing if resources were available.

XIII. REPORT ON MEDLARS II AND USER CHARGES

Mr. Davis B. McCarn, NLM Associate Director for Computer and Communications Systems, reported that since the last meeting of the Board a two-computer

multiprocessor system has become operational at NLM and the Library has accepted MEDLARS II from the contractor. Acceptance testing of MEDLARS II has been satisfactorily completed; there are 90 days of operation from the acceptance date of January 6, 1975, before final payment is made to the contractor. The old Honeywell computers which formed the heart of MEDLARS I are now gone, replaced by the IBM 370/158 MP system. The new computers, combined, have four million characters of core storage; 32 disc drives are on-line that will hold 5.6 billion characters of information; the Photon 901 still serves as the photocomposition device for publications. However, we are moving to convert to Linotron and anticipate that this will be accomplished in the next year.

ELHILL III, the retrieval program for MEDLARS II, is now operating most of the major on-line services (except TOXLINE, CHEMLINE and CANCERLINE). Citations for Index Medicus and several other bibliographies are likewise being processed by MEDLARS II. Abstracts are now being added to the MEDLINE file as they are available for newly input citations. It will be possible, beginning in April, to search MEDLINE both by free vocabulary from the abstracts and article titles and by the controlled vocabulary (MeSH). A number of modifications have already been identified that could improve the system, Mr. McCarn said.

MEDLINE usage has continued to grow--from about 600 hours of service per week in January 1973 to about 1500 at the present time. The total capacity of the system is about 4000 hours per week. The total number of on-line users (MEDLINE and TOXLINE) is now about 385 different institutions (about 30 of which are on-line at any given time of service).

Following Mr. McCarn's presentation, Dr. Harold M. Schoolman, NLM Assistant Deputy Director, discussed the philosophy and actual calculation of user charges for NLM's on-line services. The use of a charge mechanism had been instituted in August 1973 to ensure continued equal access, to provide a degree of management control over growth, and to make continued growth of the service largely independent of the NLM budget. The original rate of \$6 per connect-hour was raised in February 1975 to \$8, and effective July 1, 1975, the rate will be \$15 per connect-hour during prime time (defined as 10 a.m. to 5 p.m., Eastern Time) and \$8 for non-prime time. These new charges should help smooth out the usage curve throughout the period of computer availability and will help in assuring rapid response time for all users.

Captain Cox presented for the Regents' approval a formal statement reaffirming NLM's policy for charging for on-line services. The motion was seconded by Dr. May. Discussion centered about the statement's stipulation that charges collected in excess of user costs be returned to the U.S. Treasury. Captain Cox said this is necessary to avoid problems with OMB and GAO--appropriated money may not generally be used by an agency to generate excess income that is retained by the agency. Discussion also clarified the point that, although the statement directs the NLM Director to present to the Board an annual review of user charges, he may report to the Board on this subject at any other time he believes it necessary. After several amendments of a minor nature were accepted as to the wording of the statement, the Regents voted unanimously to adopt it (see Attachment "C").

XIV. REPORT ON THE LISTER HILL NATIONAL CENTER FOR BIOMEDICAL COMMUNICATIONS (LHNCBC)

Dr. Robert M. Bird, Director of the Library's Lister Hill National Center for Biomedical Communications, cited the 1974 Report to Congress as having identified the Center's strategic mission as being: to promote better utilization of health care resources; to improve the quality of health care records; to facilitate a more equitable distribution of educational resources; and to sustain and update professional competence. He noted that such a mission had to be addressed with appreciation of both internal and external environmental factors. The important internal factors are: the Center is a part of, and located within, the National Library of Medicine, its legislatively defined missions are broad in scope; and the resources provided, while limited in size are relatively unfettered. The external environmental factors are: the rate of generation of new biomedical knowledge; the rate of advance of diagnostic and therapeutic technology; the increasing demands placed on academic health centers; the changing socio-economic base of medical practice and health care delivery; the increasing need to facilitate a professional lifetime of learning; and the rapid advances in the fields of communication technology and learning theory. It was proposed that the following logic sequence will serve to focus the mission: The goal of education is to effect a beneficial change in professional knowledge and behavior; the mission of the Library is the assembly, analysis and distribution of biomedical information; the end product of biomedical education and research is improved health service delivery. By facilitating the development of new and improved information and learning systems, the Lister Hill National Center for Biomedical Communications can assist NLM in its basic mission, can improve biomedical education processes, and thereby improve the quality of health services. The mode is the application of advances in biomedical communications technology.

Within such a mission, the objectives of the Communications Engineering Branch can be formulated as follows: establish a biomedical communications center for the continued development and evaluation of communications technology in support of medical science and health service; develop a broad laboratory that will support in-house development for medical education, medical research and health care delivery; and establish a staff capable of recognizing and utilizing the technical research and development in the private sector and to associate these technological developments with existing needs within the medical community.

In similar fashion, the missions of the Computer Technology Branch are: to provide support in computer and information technology to the National Library of Medicine, the health agencies of DHEW, and the biomedical community; to act as an information clearinghouse in computer and information technology for the biomedical community; to establish a demonstration/education center for new tools and techniques; to establish pilot programs in relevant areas of computer and information technology; and to coordinate--through communications--comparable activities in the health agencies, educational institutions and other government agencies.

The consolidated mission objectives become the promotion of the following activities: to apply learning theories; to emphasize the need for specific educational objectives; to develop evaluation feedbacks in program content; to emphasize alternatives in the development of theoretical and technological educational systems;

to facilitate evaluation systems for the reinforcement of learning and the assessment of program effectiveness, with the Lister Hill Center giving special attention to postgraduate health professional education.

Dr. Bird then cited the report of the ad hoc workshop on the coordination of telecommunications needs among the six health agencies. The role which is visualized for the Lister Hill Center is the responsibility for providing technical assistance and administrative support to the interagency group. The interagency group, working through and with the Lister Hill Center, would develop: a mechanism to assure coordinated planning for the telecommunications needs of health programs; a means for encouraging active assessment of the potential use of telecommunications in the programs of Health and in the health programs of the private sector; a means of assuring that the health agencies be kept informed of technical developments and contemplated political, administrative and legislative actions which may affect the agencies' access to, and utilization of, telecommunications systems; and a means of assuring that health agencies have an appropriate role in the decision-making process in DHEW regarding future developments in telecommunications.

Dr. Hubbard, responding to Dr. Bird's presentation, approved of the Center's narrowing its focus of inquiry so that significant problems will be addressed. He emphasized that the Lister Hill Center should engage in research leading to the application of new technologies, not in operating large-scale communication systems. There is still the problem of a specific definition of "the user." It is futile to develop user needs in the absence of user collaboration. There will also be a problem in avoiding "information overload" of the user. Practitioners are not well served today in that information for them is not packaged in a problem-solving mode but in a disciplinary and analytical mode. The Center should concentrate not only on timely and appropriate modes of transmission and retrieval, but also on improving the cognitive skills of the practitioner.

XV. OTHER BUSINESS

Dr. Hubbard appointed Dr. Faye G. Abdellah, Colonel Mims C. Aultman and Captain J. William Cox to the Nominating Committee; Dr. Faye G. Abdellah and Captain J. William Cox to the Lister Hill Center Subcommittee, in addition to the Chairman and Dr. Angelo M. May; and Mrs. Bernice M. Hetzner, Dr. Joseph F. Volker, and Dr. Ethel Weinberg to a subcommittee for the review of library construction applications authorized under the Comprehensive Health Manpower Training Act.

XVI. REPORT OF THE ASSOCIATE DIRECTOR FOR EXTRAMURAL PROGRAMS

Dr. Ernest M. Allen, NLM Associate Director for Extramural Programs, reported that the Board's Subcommittee for Extramural Programs had met with EP Staff on March 12 to review grant applications falling under the four special categories of (1) program priority relevance, (2) split vote, (3) over \$50,000, and (4) policy questions. The Subcommittee also conducted a final review of two Special Foreign Currency Program applications.

Dr. Allen noted that during the course of the meeting several members expressed concern on two points: (1) the poor quality of research grant applications, and (2) the need for better guidance as to what kind of projects and program areas are deserving of special emphasis. Acknowledging the first concern, Dr. Allen stated that Dr. Vladimir Slamecka, Director, School of Information and Computer Science, Georgia Institute of Technology in Atlanta, has agreed to our request

to help solve the problem. With his preliminary report on "Long-Range Research Objectives for Biomedical Communications," made to the Biomedical Library Review Committee at its February 1975 meeting, the first step toward a solution has been initiated. The recommendations and ideas contained in the report will come under scrutiny and further discussion at the May 1975 meeting of the Biomedical Library Review Committee. At this time, Dr. Allen pointed out, the draft report is being reviewed by the NLM Associate Directors, by all study section members, including three who were named specifically to look at the report critically and provide constructive suggestions for improvement. Dr. Allen mentioned that Dr. Roger W. Dahlen would elaborate on the subject during his report later in the meeting (see p. 17). Addressing himself to the second concern, Dr. Allen proposed to give a special presentation on program objectives and priority interests in connection with the review of grant applications, tentatively scheduled to take place at the November 1975 Subcommittee meeting which will include expected new members.

Dr. Allen then mentioned briefly the following three items: (1) The report on the Evaluation of the Improvement Grant Program, scheduled for this meeting, has been delayed until the June meeting because of NIH computer difficulties. (2) Updating his report on the NIH Training Grant Program, given at the December 1974 meeting, Dr. Allen stated that no regulations have yet been issued. They are, however, completed and awaiting the Secretary's signature. (3) Dr. Allen pointed out that the DRG Administrative Report did not include any matters of particular interest to the Board. He did mention, however, that the Institutional Relations Branch, formerly of the Division of Research Grants, which had been administering DHEW policy for the protection of human subjects, has been transferred to the Office of the Director, NIH, under the new name of "Office for Protection from Research Risks" and under the direction of Dr. Donald T. Chalkley, who was in charge of the program when located at DRG. The Office was established in response to the growing concern on this issue nationally and in the Congress.

Dr. Allen referred the Regents to a written report in the Agenda Book regarding Specialized Information Systems. An increase in proposals and inquiries for support of this program recently has raised questions as to policy in the minds of the members of the Biomedical Library Review Committee. After a review of the policy established by the Board of Regents several years ago governing support to specialized information centers, the Board reaffirmed its previously established policy of supporting only those proposals in Specialized Information Systems which do not fall within the categorical interests of any of the PHS awarding institutes or divisions. For example, the subject areas served by an agency having categorical missions, such as mental health, nursing, etc., would not be eligible for support. Research investigations involving specialized information systems would be reviewed for support even though they were within a subject area of a categorical program. Such scientific investigation would have the objective of producing basic knowledge in the field of information science and would be of value to a broad spectrum of biomedical scientists and disciplines.

Dr. Hubbard commented that at the time these policies were established, NIH was enjoying "its historic high in availability of funds," and it appeared then that the most assured way of having specialized information in the hands of the investigators and practitioners was to have it made available through the institutes at NIH. The interest in specialized information centers has since been muted by the pressure on funds for other programs in individual institutes. If, however, the Library were to find itself in the position of having funds available, which would

not represent competition with categorical institutes, some of these programs could possibly be sustained as part of a general biomedical information base. Dr. Hubbard pointed out that, although this and other policies have served the Library well, the Board of Regents should be prepared to reexamine them, if for no other reason than to remain current on the trends that are developing.

Concluding his report, Dr. Allen announced that the Administration's plan for rescission was denied by the Congress and that NLM will receive an additional \$385,000, earmarked for the Extramural Programs of the Library at the discretion of the Director.

XVII. RML STATUS REPORT

Mr. Arthur J. Broering, NLM Deputy Associate Director for Extramural Programs, and RML Project Officer, stated that, as announced at the December Board meeting, a comprehensive review of the Regional Medical Library Program will be forthcoming at the June meeting. However, in view of recent actions, he believed it pertinent to bring the Regents up to date on contract negotiations.

In January the RML Directors of The New York Academy of Medicine and the College of Physicians of Philadelphia were informed that their next contract period would be a terminal one and that requests for competitive proposals would be issued by the National Library of Medicine for regional services covering the four contiguous states included in the two regions. This step was taken by the Library to determine whether the present structure is indeed the best possible environment for continued growth and development, beyond document delivery services. Raising the issue now, Mr. Broering believes, becomes especially timely when other Regional Medical Libraries in their contract negotiations are for the first time seriously discussing phase-down of Federal financing of document delivery services, and, in one instance, a phase-out of such financing. Both Regional Medical Libraries believed it will be productive to reevaluate the present situations in each region. Both are actively involved in accelerating their planning efforts. Mr. Broering announced that the contracts of The New York Academy of Medicine and the College of Physicians of Philadelphia will expire May 30, 1975, and September 30, 1975, respectively, but that both contracts will be extended to expire March 1, 1976, to allow time for the preparation and review of proposals.

Dr. Cummings drew the Regents' attention to the fact that the Board had previously recommended that an evaluation and review take place every five to seven years to assure the Board of the performance and goals of these institutions. The Board agreed that an evaluation of two Regional Medical Libraries at this time is therefore a reasonable consideration.

MEETING CLOSED FOR REVIEW OF GRANT APPLICATIONS

XVIII. RESEARCH, RESOURCE, SPECIAL SCIENTIFIC PROJECT, AND TRAINING GRANT APPLICATIONS

Dr. Roger W. Dahlen, Chief, Division of Biomedical Information Support, EP, related to the Board that at the last Biomedical Library Review Committee meeting in February, Dr. Slamecka spoke to the Committee and presented a preliminary paper on "Long-Range Research Objectives for Biomedical Communications," divided into

three general areas: (1) biomedical literature; (2) medical record banks; and (3) biomedical problem-solving algorithms in medicine. At the May meeting of the Biomedical Library Review Committee these areas will be discussed in greater detail and consultants in the field will participate to lend their expertise. These discussions will acquaint the Committee members with the state-of-the-art in these areas, and it is planned to develop proceedings to be disseminated to the public.

Dr. Dahlen then announced Mrs. Priscilla M. Mayden, Director, Medical Sciences Library, University of Utah, and Mr. Robert Wedgeworth, Jr., Executive Director, American Library Association in Chicago, as the new Biomedical Library Review Committee members who have accepted the Director's invitation to serve on the Committee, beginning July 1, 1975. A third nominee, Dr. Sholom Pearlman, Director for Program Development, School of Dentistry, University of Colorado, has recently been invited, but no reply has been received.

Before proceeding with the consideration of pending applications, Dr. Dahlen informed the Board of confidentiality and conflict-of-interest procedures and reminded all appointed Regents to sign, at the conclusion of the meeting, the statement certifying that they had not participated in the discussion of any applications where conflicts of interest might occur.

XIX. PUBLICATION GRANT APPLICATIONS

Before considering the review of applications, Dr. Jeanne L. Brand, Chief, International Programs Division, EP, presented several viewgraphs, depicting the current status of funding by category in this program. In recognition of the need for support of significant critical reviews in the biomedical sciences and the fact that applications for such projects are less frequently submitted in the Publication Grant Program than other types of projects, the Board raised the priority to permit payment of two critical review applications previously recommended for approval. Dr. Brand then proceeded with the presentation of pending Publication grant applications.

The Board concurred with recommendations of the Extramural Programs Subcommittee on Research, Resource, Special Scientific Project, Training, and Publication grant applications, except for a modification on one Training grant application. Grant applications recommended for approval by the Board are included in the attached summary (Attachment "D"). Interim actions taken by EP Staff since the last Board meeting in December 1974 were noted.

XX. ADJOURNMENT

The meeting was adjourned at 12:00 noon on Friday, March 14, 1975.

* * * * *

Wednesday, March 12, 1975, 2:00 to 5:00 p.m. (EP Subcommittee--List of Attendees under Attachment "E")

Thursday, March 13, 1975, 9:00 a.m. to 5:00 p.m.

Friday, March 14, 1975, 9:00 a.m. to 12:00 noon.

* * * * *

ACTIONS TAKEN BY THE BOARD OF REGENTS

1. The Board rejected the recommendation of an HEW Audit Report that would establish a differential pricing structure for special categories of users of NLM services. (Resolution No. 1--Attachment "B")
2. The Board affirmed that the actions of NLM in regard to the arrangement with the Pharmaceutical Manufacturers Association "are consistent with the policies established by this Board." (Resolution No. 2--Attachment "B")
3. The Board reaffirmed its previous position, subject to several stipulations, that the Director of NLM shall establish user charges as may be required. The Director shall present to the Board an annual review of user charges, including any contemplated changes. (Attachment "C")
4. The Board reaffirmed its previously established policy on support of Specialized Information Systems.
5. The Chairman appointed Dr. Faye G. Abdellah, Colonel Mims C. Aultman, and Captain J. William Cox to the Nominating Committee; Dr. Faye G. Abdellah, and Captain J. William Cox to the Lister Hill Center Subcommittee, in addition to the Chairman and Dr. Angelo M. May; and Mrs. Bernice M. Hetzner, Dr. Joseph F. Volker, and Dr. Ethel Weinberg to a subcommittee for review of library construction applications authorized under the Comprehensive Health Manpower Training Act.
6. The Board concurred with recommendations of the Extramural Programs Subcommittee on Research, Resource, Special Scientific Project, Training, and Publication grant applications, except for a modification on one Training grant application. (Attachment "D")
7. The Board approved the purchase of a plaque to commemorate the work of Dr. Stanhope Bayne-Jones, to be placed in the B-level office where he did his research at the time of his death.

I hereby certify that, to the best of my knowledge, the foregoing minutes and attachments are accurate and complete.

Martin M. Cummings, M.D.
Martin M. Cummings, M.D. (Date) 5/14/75
Executive Secretary

W. N. Hubbard, Jr., M.D. 5/14/75
W. N. Hubbard, Jr., M.D. (Date)
Chairman

Robert B. Mehnert
Chief
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DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
BETHESDA, MARYLAND 20014
March 13, 1975

NATIONAL LIBRARY OF MEDICINE

Honorable Caspar W. Weinberger
Secretary of Health Education
and Welfare
Washington, D.C. 20201

Dear Mr. Secretary:

The Board of Regents of the National Library of Medicine at its meeting of March 13-14, 1975, discussed with concern what appears to be a renewed threat to the primary mission of the National Library of Medicine, the dissemination of biomedical information. These threats have come in the form of a demand for transfer of NLM generated reference tapes to one company in the private sector for its exploitation for profit purposes. In addition, a recent recommendation of a HEW audit team calls for the establishment of increased user charges which would discriminate against certain parts of the health community.

The ultimate beneficiary of the NLM mission is the general public. To this end, the Library provides a series of invaluable services through a number of mechanisms which are designed to equalize access to all users in the health community.

The Board of Regents considers these threats to be so inimical to the interests of the public and so contrary to the mission of the NLM, that the Board, in accordance with its statutory mandate, respectfully submits for your consideration the attached resolutions which deal with several aspects of this problem.

Sincerely yours,

15/

J. F. Volker, Ph.D., D.D.S.
Acting Chairman
Board of Regents
National Library of Medicine

Attachments

RESOLUTION NO. 1 - NATIONAL LIBRARY OF MEDICINE BOARD OF REGENTS, MARCH 13, 1975

WHEREAS Section 382 (42 USC 276) para c of NLM legislative authority states in part "The Library ... will make available ... its bibliographic, references, or other services to public and private agencies, organizations, institutions and individuals," and

WHEREAS This Board has repeatedly affirmed that the NLM has a basic responsibility to provide service to all qualified users of the health community, and

WHEREAS This Board has strongly advocated this position as being in the public interest, and

WHEREAS This Board views with grave concern the HEW Audit Report entitled "Review of Fee for Service and Computer Operations of NLM" whose recommendations to apply differential pricing structure to different sectors of the health community would undermine this fundamental principle;

THEREFORE Be it resolved that the Board of Regents of the National Library of Medicine emphatically rejects such recommendations or any others that would attempt to establish special categories of users as fundamentally inimical to the basic principle that the ultimate beneficiary of the dissemination of all biomedical information is the general public, and that therefore NLM has a prime responsibility to constantly pursue the objective of equalizing access to said biomedical information.

RESOLUTION NO. 2 - NATIONAL LIBRARY OF MEDICINE BOARD OF REGENTS, MARCH 13, 1975

- WHEREAS The Board of Regents has reviewed all actions leading to the termination of the PMA-NLM contract, and
- WHEREAS The issue in point is covered by Sec. 382 (42 USC 276) para. c as stated in the previous resolution, and
- WHEREAS The NLM has followed its policy as directed by its legislation, and confirmed by this Board to make available to all within the health community the bibliographic and other reference services of the Library, and
- WHEREAS The arrangement with the Pharmaceutical Manufacturers Association was deemed to be mutually advantageous at the time of implementation and termination, and
- WHEREAS The subsequent events were consistent with the long established policies of the Library, of this Board, and the legislative authority of the Library;
- THEREFORE Be it resolved that the Board of Regents of the National Library of Medicine affirms that the actions of NLM in this matter are consistent with the policies established by this Board, and that any other action would be detrimental to the public welfare.

The Board of Regents of the National Library of Medicine having duly considered the question of user charges and management control of on-line systems, reaffirms its previous position that the Director of NLM shall establish such user charges as may be required to meet the following stipulations:

1. The user costs shall be defined as those costs required by the sum of all domestic users to access the computer services of the National Library of Medicine.
2. Additional user charges may be made for the purpose of management control. Such charges should attempt to discourage frivolous use, but not impede legitimate need. Should the charge established under these guidelines exceed the user costs as defined, the excess will be returned to the U.S. Treasury.
3. Individual user charges shall be equitable for all members of the health community, and independent of distance, thus conforming to the "equal access" doctrine.
4. The Director of NLM will present to the Board an annual review of user charges, including any contemplated changes.
5. Changes in policy regarding user charges are the responsibility of the Board of Regents.

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
 (Arranged numerically by program)

ATTACHMENT "D"

COUNCIL DATE: MARCH 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	SHORT TITLE		AMOUNTS RECOMMENDED
1 T15 LM 07000-01	RESEARCH FELLOWSHIP PROGRAM IN MEDICAL INFORMATION SCIENCE	01	64,500
		02	68,000
		03	69,330
1 T15 LM 07001-01	APPLICATION OF COMPUTER TECHNOLOGY IN HEALTH SCIENCES	01	82,917
		02	105,093
		03	107,701
1 T15 LM 07003-01	M.D. - PH.D. PROGRAM IN BIOMEDICAL COMMUNICATIONS	01	120,322
		02	122,645
		03	125,080
1 T15 LM 07004-01	PHYSICIAN TRAINING IN BIOMEDICAL INFORMATION SCIENCES	01	145,549
		02	162,461
		03	178,088

Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
 (Arranged numerically by program)

COUNCIL DATE: MARCH 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
1 G08 LM 02520-01	INTEGRATED LIBRARY SYSTEM NETWORK IN A RURAL AREA	01 43,159 02 42,179 03 43,394
1 G08 LM 02532-01	A PROJECT TO DEVELOP ITS CLINICALLY-ORIENTED LIBRARY RESOURCES	01 50,000
1 G08 LM 02550-01	A/R PROJECT OF WAMI BRANCH LIBRARY	01 50,000

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
(Arranged numerically by program)

COUNCIL DATE: MARCH 1975

INSTITUTE/DIVISION:	APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
NATIONAL LIBRARY OF MEDICINE	2 G04 LM 01741-04		04 100,512 05 102,765 06 112,592
	HOSPITAL LIBRARY DEVELOPMENT PROGRAM		
	1 G08 LM 02334-01A1		01A1 61,519 02 24,194 03 23,709
INSTRUCTIONAL MEDIA CENTER			
	1 G08 LM 02341-01A1		01A1 29,550 02 31,575 03 33,904
	EXTENSION LIBRARIAN		
	1 G08 LM 02501-01		01 74,199 02 60,849
MEDIA RESOURCES FOR RURAL HEALTH TRAINING			
1 G08 LM 02503-01		01 49,500	
A&R PROJECT FOR HEALTH INFORMATION SERVICES			
1 G08 LM 02512-01		01 44,523	
COMMUNITY HEALTH EDUCATION EXTENSION SERVICE (CHEXS)			
1 G08 LM 02514-01		01 15,442	
REMODELING OF THE LIBRARY			
1 G08 LM 02519-01		01 45,045 02 34,475 03 37,443	
COASTAL BEND HEALTH SCIENCES LIBRARY CONSORTIUM			

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

RECOMMENDATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
(Arranged numerically by program)

COUNCIL DATE: MARCH 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
1 R01 LM 02535-01	EDITION OF HIPPOCRATES, DISEASES OF WOMEN 1	01 15,846
1 R01 LM 02539-01	IMPACT OF PHYSIOLOGY AND PSYCHOLOGY ON AMERICAN CULTURE	01 21,000
1 R01 LM 02545-01	THE HERITAGE OF AVIATION MEDICINE	01 5,000 02 3,000

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL
 (Arranged numerically by program)

COUNCIL DATE: MARCH 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
2 R01 LM 01396-04	HISTORY OF HEALTH IN INDIAN AND OKLAHOMA TERRITORIES	04 18,690 05 19,750
1 R01 LM 02487-01	BOOK: HISTORY OF VETERINARY PATHOLOGY IN RUSSIA	01 5,425
1 R01 LM 02490-01	THE TUBERCULOSIS MOVEMENT AND THE NEGRO, 1890-1960	01 24,443
1 R01 LM 02494-01	COUNTY OF MIDDLESEX CORONERS' INQUISITIONS	01 10,513 02 11,075
1 R01 LM 02496-01	ILLUSTRATED VETERINARY ANATOMICAL DICTIONARY	01 17,830
1 R01 LM 02497-01	MEDICAL CARE AND THE STATE IN 18TH CENTURY FRANCE	01 16,048 02 12,567
1 R01 LM 02505-01	INTRODUCTION TO MEMBRANE NOISE	01 10,245 02 9,993
1 R01 LM 02517-01	COLONIAL MEDICINE IN THE NORTHERN GOLD COAST	01 5,000

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1 /
 (Arranged numerically by program)

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE
 COUNCIL DATE: MARCH 1975

APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
1 K10 LM 00003-01	BOOK ON FACTITIOUS DISEASE	01 69,382
2 K10 LM 71,036-02	CHORIOCARCINOMA AND RELATED TROPHOBLASTIC TUMORS	02 33,373

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

B O A R D O F R E G E N T S

Extramural Programs Subcommittee Meeting

March 12, 1975

A T T E N D E E S

Subcommittee Members Present:

Dr. Faye G. Abdellah
Dr. Susan Y. Crawford
Mrs. Bernice M. Hetzner
Dr. Joseph F. Volker
Dr. Ethel Weinberg

NLM Staff Present:

Dr. Martin M. Cummings, Director, NLM
Dr. Ernest M. Allen, Associate Director for Extramural Programs
Mr. Arthur J. Broering, Deputy Associate Director for Extramural Programs
Mrs. Frances H. Howard, Special Assistant to the Associate Director, EP
Dr. Jeanne L. Brand, Chief, International Programs Division, EP
Dr. Roger W. Dahlen, Chief, Division of Biomedical Information Support, EP
Mrs. Helen S. Bennison
Mr. Peter A. Clepper
Mrs. Karin K. Colton
Mrs. Doris J. Doran
Miss Maureen J. Malone
Mrs. Kathleen Nichols
Mrs. Marguerite L. Pusey
Dr. Dorothy A. Stroup
Mr. Richard T. West
Mr. Randall Worthington
Dr. Galina Zarechnak

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
NATIONAL INSTITUTES OF HEALTH
NATIONAL LIBRARY OF MEDICINE
Bethesda, Maryland

A G E N D A

51st Meeting of the

BOARD OF REGENTS

9:00 a.m., June 26-27, 1975

Board Room
National Library of Medicine

MEETING OPEN: All day on June 26 and from 9:00 a.m. to 9:30 a.m. on June 27.

MEETING CLOSED: From 9:30 a.m. to adjournment on June 27 for review of grant applications and contract proposals.

- I. CALL TO ORDER AND INTRODUCTORY REMARKS Dr. W. N. Hubbard, Jr.
- II. CONSIDERATION OF MINUTES OF LAST MEETING TAB I (Orange Book)
- III. DATES OF FUTURE MEETINGS
1975 and 1976 Calendars TAB II
- Next Meeting: November 25-26, 1975 (T-W)
Subsequent Meeting: March 11-12, 1976 (Th-F)
Selection of Meeting Date for June 1976:
June 18 (F) - June 24 (Th) - June 25 (F)
- Note: American Medical Association--Dallas, Texas
June 26-July 1, 1976
- IV. REMARKS BY THE DIRECTOR-DESIGNATE, NIH Dr. Donald S. Fredrickson

6/17/75

- V. REPORT OF THE DIRECTOR, NLM TAB III Dr. Martin M. Cummings
- COFFEE BREAK
- VI. REPORT ON ON-LINE SERVICE POLICIES TAB IV Mr. Melvin S. Day
Mr. Alfred R. Zipf,
Discussant
- LUNCHEON--Catered in Conference Room "B"
- VII. REPORT ON LISTER HILL NATIONAL CENTER BUILDING TAB V Mr. Kent A. Smith
Mrs. Mary J. Craig
- VIII. INTERAGENCY ACTIVITIES CONCERNING TOXICOLOGY INFORMATION TAB VI Dr. Henry M. Kissman
- IX. SUMMARY REPORT ON NLM/INTER-NIH ACTIVITIES TAB VII Mr. Melvin S. Day
Mr. Storm Whaley,
Discussant
- COFFEE BREAK
- X. REPORT FROM NMAC TAB VIII Dr. George E. Mitchell
- XI. OTHER BUSINESS Dr. W. N. Hubbard, Jr.
- XII. PRESENTATION OF AWARDS
- Sixth Regents' Award for Scholarship
or Technical Achievement Dr. W. N. Hubbard, Jr.
- Director's Award Dr. Martin M. Cummings
- R E C E S S

DINNER Bethesda Naval Officers' Club

Cocktails (Cash Bar): 6:30 p.m. "Anchor Room"

Dinner (Dutch Treat): 7:30 p.m. "Oakleaf Room"

SPEAKER: Dr. G. Burroughs Mider
Executive Officer
American Society for Experimental Pathology
Bethesda, Maryland

TOPIC: "Gleanings From Medical History"

PRESENTATION OF CERTIFICATES TO REGENTS
COMPLETING TERMS OF OFFICE

Dr. Martin M. Cummings

RECONVENE: 9:00 a.m., June 27, 1975

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XIII. REPORT OF THE ASSOCIATE DIRECTOR FOR
EXTRAMURAL PROGRAMS

Dr. Ernest M. Allen

A. DRG Administrative Report TAB IX

B. Report on Evaluation of Improvement
Grant Program TAB X

MEETING CLOSED FOR REVIEW OF GRANT APPLICATIONS AND CONTRACT PROPOSALS

XIV. REGIONAL MEDICAL LIBRARY CONTRACTS -- TAB I
REVIEW AND EVALUATION OF RFP'S (Gray Book)

Mr. Arthur J. Broering

XV. REPORT ON RECOMMENDATIONS ON CONSTRUCTION
GRANT APPLICATIONS

Dr. Joseph F. Volker
Mr. Arthur J. Broering

COFFEE BREAK

XVI. RESEARCH, RESOURCE, SPECIAL SCIENTIFIC
PROJECT, AND TRAINING GRANT APPLICATIONS

Dr. Roger W. Dahlen

A. Research Grant Applications TAB II

B. Resource Grant Applications TAB III

C. Special Scientific Project
Grant Applications TAB IV

D. Training Grant Applications TAB V

XVII. PUBLICATION GRANT APPLICATIONS TAB VI

Dr. Jeanne L. Brand

XVIII. SPECIALS TAB VII

Dr. Roger W. Dahlen
Dr. Jeanne L. Brand

XIX. ADJOURNMENT

Dr. W. N. Hubbard, Jr.

DEPARTMENT OF HEALTH, EDUCATION
AND WELFARE

NATIONAL INSTITUTES OF HEALTH
NATIONAL LIBRARY OF MEDICINE

BOARD OF REGENTS

MINUTES OF 51ST MEETING

JUNE 26-27, 1975

BOARD ROOM
NATIONAL LIBRARY OF MEDICINE
BETHESDA, MARYLAND

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

THE BOARD OF REGENTS OF THE NATIONAL LIBRARY OF MEDICINE

Minutes of Meeting 1/ 2/

June 26-27, 1975

The Board of Regents of the National Library of Medicine was convened for its fifty-first meeting at 9:00 a.m. on Thursday, June 26, 1975, in the Board Room of the National Library of Medicine, Bethesda, Maryland. Dr. W. N. Hubbard, Jr., President, The Upjohn Company, and Chairman of the Board of Regents, presided. In accordance with P.L. 92-463 and the Determination of the Director, NIH, and as announced in the Federal Register on April 30, 1975, the meeting was open to the public from 9:00 a.m. to 5:00 p.m. on June 26, 1975, and from 9:00 a.m. to 9:30 a.m. on June 27, and closed from 9:30 a.m. to noon on June 27 for the review, discussion, and evaluation of grant applications and contract proposals. A Board roster is included in Attachment "A."

Board members present were:

Dr. Susan Y. Crawford
Mrs. Bernice M. Hetzner
Dr. W. N. Hubbard, Jr.
Mr. John G. Lorenz (Attended June 26 only)
Dr. Angelo M. May
Dr. Joseph F. Volker
Dr. Ethel Weinberg (Attended June 26 only)

Alternates to Board members present were:

Dr. Faye G. Abdellah, representing Dr. S. Paul Ehrlich, Jr.
Col. Mims C. Aultman, representing Lt. Gen. Richard R. Taylor
Brig. Gen. Ernest J. Clark, representing Lt. Gen. Patterson
Capt. J. William Cox, representing Vice Adm. Donald L. Custis
Dr. Bill M. Domm, representing Dr. John D. Chase (Attended June 26 only)
Dr. William J. Riemer, representing Dr. Eloise E. Clark (Attended June 26 only)

1/ For the record, it is noted that members absent themselves from the meeting when the Board is discussing applications from their respective institutions (interpreted to mean the entire system of which a member's institution is a part) or in which a conflict of interest might occur. Only when an application is under individual discussion will the Board member absent himself. This procedure does not apply to "en bloc" actions.

2/ The Board of Regents, when considering the extramural programs of NLM, also constitutes and serves as the National Medical Libraries Assistance Advisory Board.

National Library of Medicine staff members attending this meeting included:

Dr. Martin M. Cummings, Director
Mr. Melvin S. Day, Deputy Director
Dr. Harold M. Schoolman, Assistant Deputy Director
Dr. Ernest M. Allen, Associate Director for Extramural Programs
Dr. Robert M. Bird, Director, Lister Hill National Center for Biomedical Communications
Dr. Jeanne L. Brand, Chief, International Programs Division, EP
Dr. Charles F. Bridgman, Associate Director for Educational Resources Development
Mr. Arthur J. Broering, Deputy Associate Director for Extramural Programs
Dr. George J. Cosmides, Deputy Associate Director, Specialized Information Services
Mr. John W. Cox, Chief, Applications Systems Branch, CCS
Dr. Roger W. Dahlen, Chief, Division of Biomedical Information Support, EP
Mr. Jerome N. Kerkhof, Chief, Office of Administrative Management Services
Dr. Henry M. Kissman, Associate Director for Specialized Information Services
Dr. Richard Lasco, Acting Chief, Applied Research and Evaluation Branch, NMAC
Dr. Joseph Leiter, Associate Director for Library Operations
Mr. Davis B. McCarn, Associate Director for Computer and Communications Systems
Mr. Robert B. Mehnert, Chief, Office of Inquiries and Publications Management
Dr. George E. Mitchell, Director, National Medical Audiovisual Center
Mr. Kent A. Smith, Assistant Director for Administration
Mr. Richard T. West, Chief, Office of Program Planning and Evaluation, EP

Others present included:

Dr. Donald S. Fredrickson, Director-designate, NIH
Dr. Lee G. Burchinal, Head, Office of Science Information Services, National Science Foundation
Dr. Fred C. Cole, President, Council on Library Resources, Inc.
Mrs. Mary J. Craigo, Project Manager, Engineering Design Branch, Division of Engineering Services, NIH
Dr. Richard A. Farley, Director, National Agricultural Library
Mrs. Ileen E. Stewart, Executive Secretary, Biomedical Communications Study Section, NIH
Mr. Storm Whaley, Associate Director for Communications, NIH
Mr. Alfred R. Zipf, Senior Administrative Officer, Bank of America--Consultant to NLM

Members of the public present:

None

I. OPENING REMARKS

Dr. W. N. Hubbard, Jr., welcomed the Regents, alternates, and guests to the 51st meeting of the Board of Regents of the National Library of Medicine.

II. CONSIDERATION OF MINUTES OF PREVIOUS MEETING

The Board recommended approval of the minutes of the meeting of March 13-14, 1975.

III. DATES FOR FUTURE MEETINGS

The Board reconfirmed the dates of November 25-26, 1975, for the next meeting and confirmed the dates of March 11-12, 1976, for the subsequent meeting. June 24-25 were approved tentatively for the following meeting. The Chairman noted that there will be no grant review at next June's meeting as a result of the change in the Federal fiscal year. The Board will appoint committees at the November meeting to prepare for special "forward-planning" discussions on June 25.

IV. REMARKS BY THE DIRECTOR-DESIGNATE, NIH

Dr. Donald S. Fredrickson commented that this is not an easy time to become director of an institution like NIH. Biomedical research is in the middle of two reform movements: changes in health care delivery systems and a shift toward human values. The latter is evidenced by current concern with ethics, human experimentation, freedom of information, and privacy. NIH must play a leading role in the thoughtful analysis of health research and how it impacts on health care. NLM's role is extremely important because the Library is not only a repository of medical information but an active center for biomedical communication. Dr. Fredrickson said he places a high priority on having the Board brought up to full strength and he solicited the views of the Regents about the kind of individual sought for membership.

Responding to Dr. Fredrickson's request, Dr. May suggested that, since NLM was responsible to the private practice sector as well as to the scientific and academic communities, practicing M.D.s should be considered for appointment as Regents. Mrs. Hetzner and Dr. Crawford emphasized the need for continued representation on the Board by medical librarians.

V. REPORT OF THE DIRECTOR, NLM

Dr. Cummings gave a brief outline of the history of NLM. The Library has made much progress recently in meeting new responsibilities for organizing and making available medical information in many formats. New communications systems to transfer the knowledge generated by research have been developed. There are still constraints, however which the Library must deal with. Principal among these is the lack of adequate manpower. Reduced staffing levels have led to the curtailment of research and development efforts and even services; it might even become necessary for the Library to close on evenings and Saturdays. Dr. Cummings estimated that NLM needs an increase of some 20 positions (i.e., to the level of four years ago) to assure continuing high quality service.

The Director reported that the hearings before the House and Senate Appropriations Subcommittees have been held. The House report includes a recommendation for \$26 million for construction of the Lister Hill Center facility. Dr. Cummings is hopeful that the Senate will support this action. The House Judiciary Committee's Subcommittee on Courts, Civil Liberties, and the Administration of Justice has held hearings on HR 2223, the copyright revision bill. Although NLM was informally invited to submit a statement for the record, the Library's statement had not yet been cleared by the Department. Dr. Cummings commented that NLM is looking into alternative methods of interlibrary loan service, should new legislation prohibit the present operation. He described a recent exchange of visits between top NLM staff and the new president of Williams & Wilkins to search for a "formula" of accommodation for photocopying. One solution under consideration is that the Library might pay Williams & Wilkins to photocopy articles, just as the Regional Medical Libraries are paid to photocopy. Dr. Hubbard commented that the Board should be informed in detail before any final decisions are made about this proposal.

In the international field, Dr. Cummings reported that there has been a consistent demand for NLM assistance in helping other nations develop national medical libraries. He summarized recent requests from Iran and Egypt. In addition, there are increasing international requests for access to MEDLINE and TOXLINE and for direct interlibrary loan and reference services. Existing quid pro quo arrangements are working well-- all the foreign partners have accepted the increased charges from \$30,000 to \$50,000. There will be a meeting at NLM this fall of the International Advisory Group, the leaders of the foreign institutions with which the Library has bilateral arrangements. Dr. Cummings reported briefly on the excellent progress being made by BIREME (PAHO regional center) in Brazil.

Dr. Cummings announced that Dr. Hubbard has been chosen along with several other senior advisory council members to assist in the work of the President's Biomedical Research Panel. The Director concluded by expressing his concern for the failure to bring the Board to full strength. He suggested, as an interim solution, that previous Regents be appointed as temporary consultants to assist in the review of grant applications and other Board functions. After discussion, the Board endorsed his plan to utilize former members.

VI. REPORT ON ON-LINE SERVICE POLICIES

Mr. Melvin S. Day, NLM Deputy Director, reported in detail on all events, meetings, and exchanges of correspondence leading up to recent lawsuits brought against the Library by the System Development Corporation (SDC). SDC has made representations to the Office of Management and Budget, to the Secretary, DHEW, and to the Congress.

On May 15, 1975, SDC filed a petition in the Federal District Court, Los Angeles, California, to obtain the MEDLARS tapes under the Freedom of Information Act for the cost of merely duplicating the tapes. The MEDLARS tapes have been available for purchase by the public for several years from the National Technical Information Service, Department of Commerce (current price \$50,000). Several organizations are obtaining the tapes on a quid pro quo basis under this pricing structure.

Mr. Day pointed out that on March 19, 1975, DHEW denied the SDC request on the grounds that under the DHEW's regulations, implementing the Freedom of Information Act, library reference materials are exempted and the MEDLARS tapes are library reference material

On May 15, 1975, SDC brought suit against the U.S. Government in the U.S. Court of Claims on two counts, asking for damages in the amount of \$4,124,472. SDC is charging unfair competition by NLM, because the Library has priced its own MEDLINE services to the health community at a lower price than SDC's. In addition, SDC is charging that NLM has violated its contract with SDC (NIH 71-4724) by providing computer service bureau operations to the health community.

The Justice Department has determined that NLM's provision of MEDLINE services to all segments of the health community has been carried out in accordance with the Library's statutory authority and mission. It has determined further that the operation of MEDLINE by NLM, utilizing the ELHILL retrieval computer program, has been carried out within the letter and terms of the contract (NIH 71-4724). The Justice Department feels that the government's position is so strong that it is moving to obtain a Summary Hearing by the Court of Claims and will seek dismissal of the suit.

The Board of Regents will be kept informed of all developments in these suits as they occur.

VII. REPORT ON LISTER HILL NATIONAL CENTER FOR BIOMEDICAL COMMUNICATIONS BUILDING

Mr. Kent Smith, NLM Assistant Director for Administration, and Mrs. Mary Craigo, an architect in the NIH Division of Engineering Services, reviewed the history of the effort to date in connection with the Lister Hill facility and presented architectural drawings of the interior and exterior. The Center will be located adjacent to and connected to the present Library building. It will consist of a ten-story tower superstructure and three levels below ground grade. The Center will contain offices, conference rooms, an auditorium, communications laboratories, exhibit areas, computer facilities, and audiovisual production rooms. It will house the following NLM activities: Lister Hill National Center for Biomedical Communications, National Medical Audiovisual Center, Specialized Information Services, Extramural Programs, and Office of Computer and Communications Systems. The design phase for the facility is completed and construction now awaits the appropriation of funds. Mrs. Craigo estimated that it would take about three years to construct the Center after construction funds are released. Dr. Hubbard emphasized the need for associations like the AAMC (Association of American Medical Colleges) to recognize the Center as a national resource that can help medical faculty implement new and cost-effective information transfer modalities. Related to this, Dr. Weinberg pointed out the need for close communication with medical school deans so they might be aware of what will be available to them when the Center is completed.

VIII. INTERAGENCY ACTIVITIES CONCERNING TOXICOLOGY INFORMATION

Dr. Henry M. Kissman, NLM Associate Director for Specialized Information Services, described to the Regents the activities of the Toxicology Information Subcommittee (TIS) of the DHEW Committee to Coordinate Toxicology and Related Programs. TIS, which was formed in 1973, has two objectives: to identify gaps in toxicology information transfer and begin projects to correct these; and to establish interagency communication channels for exchanging information on toxicology information activities. Dr. Kissman noted that the second objective is especially difficult because of the great number of agencies and programs involved.

The major projects the TIS plans to sponsor in FY 75-76 are: a Laboratory Animal Data Bank, a Toxicology Document and Data Depository (to be maintained in the National Technical Information Service), and a Toxicology Project Information System (derived from the project report files of the Smithsonian Science Information Exchange). Among the interagency collaborative projects of TIS are a Chemical Monograph Referral Center (to collect information about criteria documents and similar evaluative reports on chemical compounds being prepared by Federal agencies), a computerized file of hazardous compounds identified by Federal agencies, and an on-line file containing information about the chemical composition of commercial products.

IX. NLM/NIH COOPERATIVE ACTIVITIES

Mr. Day described for the Regents the wide range of cooperative projects ongoing between NLM and the other institutes and divisions of NIH. There are eight Recurring Bibliographies produced by NLM and published by the institutes. In addition, there are 45 terminals at NIH tied into MEDLINE and TOXLINE. One of the most important recent collaborative projects is CANCERLINE--a computerized data base developed by NCI with the assistance of the Library. CANCERLINE, available over NLM's on-line network, contains almost 40,000 references and abstracts concerning cancer research. The Library has been approached by the staff of the National Institute of Neurological and Communicative Disorders and Stroke to mount an on-line data base of Epilepsy Abstracts.

Mr. Day also reported briefly on NLM involvement on the NIH Committee on the Dissemination of Research Results. The Committee was formed to prepare a report for the Director, NIH, reviewing the processes by which biomedical research findings are translated into measures for the prevention, diagnosis, and treatment of disease, and the way these findings are communicated to the public, to health practitioners, and to other research scientists. The review was undertaken at the behest of the Senate Appropriations Committee which had expressed concern for improving the dissemination of knowledge gained from biomedical research. Mr. Storm Whaley, NIH Associate Director for Communications, who serves as Chairman of the Committee, reported to the Regents on the Committee's recommendations. These ranged from establishing regional information centers to utilizing new communications technology and increasing support for the Biomedical Communications Network. Mr. Whaley said that his Committee's report has been approved and sent to the Senate Committee by the Assistant Secretary for Health.

X. REPORT FROM NMAC

Dr. George E. Mitchell, Director of the Library's National Medical Audiovisual Center (NMAC), reported to the Regents on the reorganization of the Center into four Branches: Materials Development Branch (production), Educational Training and Consultation Branch, Materials Utilization Branch (clearinghouse and distribution), and the newly created Educational Research and Evaluation Branch. This last Branch combines the functions and staff of the Lister Hill Educational Technology Branch with existing functions and staff at NMAC.

The new combined unit will pursue a broad program in research and evaluation in educational methodologies that might be applied to health professions education.

XI. AWARDS

Dr. Hubbard presented the 1975 Regents' Award for Scholarship or Technical Achievement to Mr. John W. Cox, Chief of the Applications Systems Branch, Office of Computer and Communications Systems. Mr. Cox was cited for his "exceptional technical and managerial contributions to the development and implementation of MEDLARS II." Dr. Cummings presented the Director's Award to Mr. Melvin S. Day, NLM Deputy Director. In presenting the award, Dr. Cummings commended Mr. Day's highly effective leadership and management during his past two and a half years as Deputy Director.

XII. OTHER BUSINESS

The Board unanimously accepted the recommendations of the Nominating Committee and reelected Dr. Hubbard Chairman for another year.

For Dr. Crawford, Mrs. Hetzner, and Dr. May, whose terms expire on August 3, 1975, this was the last meeting. During dinner, following the first day's meeting, Dr. Cummings expressed the Library's warm thanks for their dedicated service and presented them with certificates of recognition.

XIII. REPORT OF THE ASSOCIATE DIRECTOR FOR EXTRAMURAL PROGRAMS

Dr. Ernest M. Allen, NLM Associate Director for Extramural Programs, thanked the outgoing Regents on behalf of the Extramural Programs' staff for their dedicated and valuable service in the review of applications during the past four years. He then discussed three items spelled out in the DRG Administrative Report and included in the Agenda Book:

1. The Initial Review Group's Role in Animal Welfare. Recent NIH guidelines charge all review groups with the responsibility of noting in their summary statements when they believe an applicant may not be in compliance with the guidelines for proper care of laboratory animals. An award cannot be made until the DHEW operating staff resolves the questions.
2. The Freedom of Information Act. As a result of court action, NIH is required to disclose to the public on request all awarded initial applications and both approved and pending continuation, renewal, and supplemental applications, incident to approved initial applications. Progress reports resulting from grant-supported projects must be disclosed also. Salary information and site visit reports are excluded.
3. Training Grant Application Form. The Office of Management and Budget has determined that the form adopted for research training cannot be used for non-research grant applications. NLM will, therefore, use the form that has been approved for the Alcohol, Drug Abuse, and Mental Health Administration, which is, with minor modifications, the same form NLM has been using up till now.

Dr. Allen next reported that the Board's Subcommittee for Extramural Programs had met with EP staff on June 25 to review grant applications, including applications falling under the four special categories: (1) program priority relevance, (2) split vote, (3) over \$50,000, and (4) policy questions. At that meeting, Mr. Richard T. West, Chief of the Office of Program Planning and Evaluation, EP, reviewed in detail the results of the recently completed evaluation study of the NLM Resource Improvement Grant Program for the Subcommittee's consideration before making its recommendations to the full Board on June 27. Dr. Allen recalled for the Regents that the Resource Improvement Grant Program was approved by the Board in 1971 with the goal to strengthen the Regional Medical Library network through stimulation of library development at the community hospital level. Although the program had been operating satisfactorily, NLM felt that an evaluation study was needed to determine if the program was providing the benefits envisioned at its inception. The overall conclusion reached by the study was that the "successful" applicants outperformed both the "unsuccessful" and "non-applicant" groups. The results showed that the program has been clearly successful in terms of the set goals, and that rural location or hospital size and the absence of university affiliation and educational programs were not deterrents to growth. The only weak link was in the RML network connection. Dr. Allen discussed the merits of continuing the program with some modifications. He then reviewed the proposed modifications, noting that one of the significant changes would be an effort to stimulate resource sharing through participation in a consortium. He also emphasized that an involvement of the Regional Medical Libraries in a leadership role would be an important program objective.

Regent Bernice M. Hetzner submitted to the Board the recommendations of the Extramural Programs Subcommittee for a modified Improvement Grant Program (Attachment "B"). After discussion, the Board unanimously recommended approval of the Extramural Programs Subcommittee's proposal.

MEETING CLOSED FOR REVIEW OF GRANT APPLICATIONS AND CONTRACT PROPOSALS

XIV. REGIONAL MEDICAL LIBRARY CONTRACTS

Mr. Arthur J. Broering, NLM Deputy Associate Director for Extramural Programs, and RML Project Officer, brought the Regents up to date on the status of the proposed Request for Proposal (RFP) for regional medical library services in Regions II and III, now under contracts with The New York Academy of Medicine and the College of Physicians of Philadelphia until February 29, 1976. A request for Letters of Intent to determine the interest of qualified institutions in the Pennsylvania, Delaware, New York, and New Jersey area was mailed last May. Mr. Broering then proceeded to give the Regents an account of the scope of the "Statement of Work" that is proposed to be included in the Request for Proposal. He touched on the important contract specification features and received the Board's constructive comments and advice for inclusion in the RFP.

XV. REPORT ON RECOMMENDATIONS ON CONSTRUCTION GRANT APPLICATIONS

Mr. Broering gave a brief report on the review of eight library construction grant applications, submitted under the authority of the Comprehensive Health Manpower Training Act. Drs. Volker and Weinberg and Mrs. Hetzner were the members of the Extramural Programs Subcommittee who met in Birmingham on April 30 to consider the applications for recommendation to the National Advisory Council on Health Professions Education of the Bureau of Health Manpower. The Council met in early June; however, final decisions as to funding the approved applications have not been made as yet. Mr. Broering will report the final results to the Board at the November meeting.

XVI. RESEARCH, RESOURCE, SPECIAL SCIENTIFIC PROJECT, TRAINING, AND PUBLICATION GRANT APPLICATIONS

Dr. Roger W. Dahlen, Chief, Division of Biomedical Information Support, EP, announced that the Biomedical Library Review Committee will have a full complement on July 1. The third new member, Dr. Sholom Pearlman, Director for Program Development at the School of Dentistry, University of Colorado, has accepted the invitation to serve on the Committee. The acceptance of the two other new members, Mrs. Priscilla M. Mayden and Mr. Robert Wedgeworth, was announced at the March Board meeting. Dr. Dahlen also noted that Dr. Ralph G. Meader has accepted the Director's invitation to assume the Chairmanship of the Committee for the next year, replacing the outgoing Chairman, Dr. Alvin E. Lewis.

Before proceeding with the consideration of pending applications, Dr. Dahlen informed the Board of confidentiality and conflict-of-interest procedures and reminded all appointed Regents to sign, at the conclusion of the meeting, the statement certifying that they had not participated in the discussion of any applications where conflicts of interest might occur.

The Board concurred with recommendations of the Extramural Programs Subcommittee, with the exception of deferring two applications which had been recommended for approval by the initial review group. A total of 21 applications was approved and nine applications were deferred. Six of the deferred applications, including the two reversals cited above, are awaiting resolution of a policy issue to be taken up at the November Board meeting. Grant applications recommended for approval by the Board are listed in the summary (Attachment "C"). Interim actions taken by EP staff since the last Board meeting in March 1975 were noted.

XVII. ADJOURNMENT

The meeting was adjourned at 11:30 a.m. on Friday, June 27, 1975.

* * * * *

Wednesday, June 25, 1975, 2:00 to 5:00 p.m. (EP Subcommittee--List of Attendees under Attachment "D")

Thursday, June 26, 1975, 9:00 a.m. to 5:00 p.m.

Friday, June 27, 1975, 9:00 a.m. to 11:30 a.m.

ACTIONS TAKEN BY THE BOARD OF REGENTS

1. The Board endorsed the NLM Director's plan to utilize former members of the Board of Regents as consultants to assist in the review of grant applications and other Board functions until the Board has been brought to its full strength.
2. The Board reelected W. N. Hubbard, Jr., M.D., Chairman for 1975/1976.
3. The Board presented to Mr. John W. Cox, Chief of the Applications Systems Branch, Office of Computer and Communications Systems, the 1975 Regents' Award for Scholarship or Technical Achievement.
4. The Board recommended continuation of the Medical Library Resource Improvement Grant Program with modifications (see Attachment "B").
5. The Board concurred with recommendations of the Extramural Programs Subcommittee, with the exception of deferring two applications which had been recommended for approval by the initial review group. Grant applications recommended for approval by the Board are listed in the summary (Attachment "C").

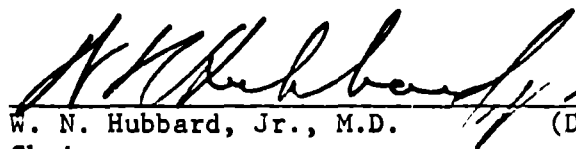
* * * * *

I hereby certify that, to the best of my knowledge, the foregoing minutes and attachments are accurate and complete.

 7/16/75

Melvin S. Day
Acting Director, NLM

(Date)

 7/16/75

W. N. Hubbard, Jr., M.D.
Chairman

(Date)

Robert B. Mehnert
Chief
Office of Inquiries and
Publications Management

BOARD OF REGENTS OF THE NATIONAL LIBRARY OF MEDICINE

CHAIRMAN

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Alt.: Dr. Bill M. Domm 202-389-5093

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Alt.: Capt. J. William Cox 202-295-0203

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Alt.: Dr. Faye G. Abdellah 301-443-6497

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PATTERSON, Robert A., Lt. Gen., USAF, MC
 Surgeon General
 Department of the Air Force
 Forrestal Building
 Washington, D.C. 20314 202-693-5800
Alt.: Brig. Gen. Ernest J. Clark 202-693-62

TAYLOR, Richard R., Lt. Gen., MC, USA
 The Surgeon General
 Department of the Army
 Washington, D.C. 20310 202-697-1295
Alt.: Col. Mims C. Aultman 202-693-105

The Subcommittee for Extramural Programs has reviewed the Improvement Grant Evaluation Study and accepts the net findings (1) that the Improvement Grants have been successful but (2) that modifications in the program are nevertheless desirable.

Different from the recommendation of the Evaluation Study that four types of improvement grants should now be established but generally pursuant to EP staff advice, the Subcommittee recommends to the Board of Regents the continuation of the existing Improvement Grant Program, with the following modifications:

- 1) That the purpose be broadened to support consortia where members propose, among other things, to insure resource sharing, and
- 2) That the period of support be extended to two years, with a maximum of \$4,000 in the first year and \$3,000 in the second year, the second year for both the individual awardee and each member institution of a consortium conditioned by a provision of \$1,000 in matching funds.

In view of some difference of opinion as to the amount in matching that should be required, the Subcommittee recommends further that after one full year of experience reconsideration be given to the matching required.

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
(Arranged numerically by program)

COUNCIL DATE: June 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	SHORT TITLE		AMOUNTS RECOMMENDED
2 RO1 LM 01803-03		03	6,550
	SCIENCE, MEDICINE AND MODERNIZATION IN EAST AFRICA		
1 RO1 LM 02507-01		01	23,636
	THE HISTORY OF AMERICAN PEDIATRICS 1607-1976	02	25,040
1 RO1 LM 02543-01		01	58,045
	DOCUMENTED READING FOR IMPROVED PT. CARE & CME CREDIT	02	59,505
1 RO1 LM 02579-01		01	32,881
	MUMPS/MEDLINE PERSONAL FILE RETRIEVAL SYSTEM		
1 RO1 LM 02587-01		01	15,750
	A HISTORY OF PUBLIC HEALTH IN FRANCE, 1815-1848	02	16,300
1 RO1 LM 02597-01		01	21,329
	AMERICAN REVOLUTIONARY WAR PHYSICIAN		
1 RO1 LM 02604-01		01	18,011
	SUBJECT BIBLIOGRAPHY ON ANAEROBIC BACTERIA, 1970-1975	02	16,966

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL
(Arranged numerically by program)

COUNCIL DATE: June 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
1 R01 LM 02611-01	DEVELOPING CLINICAL INFORMATION NEEDS AND SYSTEM	01 77,735
1 R01 LM 02616-01	COMPUTER STRUCTURING OF MEDICAL NARRATIVE	01 39,331 02 40,745 03 36,860
1 R01 LM 02630-01	BIOCHEMISTRY, BIOMEDICINE, AND THEIR PATRONS, 1914-1940	01 7,257 02 7,257
1 R01 LM 02635-01	PRODUCTION OF HYPERBARIC OXYGEN THERAPY MONOGRAPH	01 10,428
1 R01 LM 02641-01	STATES RIGHTS MEDICINE IN THE OLD SOUTH	01 27,948

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL - DUAL REVIEW 1/
(Arranged numerically by program)

COUNCIL DATE: June 1975
AMOUNTS
RECOMMENDED

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER SHORT TITLE

1 R22 AI 12997-01

DUAL: LM

01

838

ORALLY TRANSMITTED FILARIASIS: MANSON'S CONCEPTS REVIVED

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
 (Arranged numerically by program)

COUNCIL DATE: June 1975

INSTITUTE/DIVISION:	NATIONAL LIBRARY OF MEDICINE			AMOUNTS RECOMMENDED
APPLICATION NUMBER	SHORT TITLE			
2 G08 LM 02129-02	FURTHER DEVELOPMENT OF ON-LINE SERIALS CONTROL SYSTEM	02		24,431
1 G08 LM 02346-01A1	ALTERATION/RENOVATION PROJECT	01A1		49,868
1 G08 LM 02585-01	ALTERATION/RENOVATION PROJECT	01		50,000
1 G08 LM 02593-01	COMPONENT 3 TECH PROCESS ACQUISITIONS & COMPLETION OF SYSTEM	01 02		47,641 10,660
1 G08 LM 02626-01	A/R TO COMBINE SCHOOL OF NURSING AND MEDICAL LIBRARIES	01		50,000

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
(Arranged numerically by program)

COUNCIL DATE: June 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
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1 K10 LM 00004-01

01	31,866
02	12,086

BOOK ON EPIDEMIOLOGY OF DIABETES AND OBESITY

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
 (Arranged numerically by program)

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

COUNCIL DATE: June 1975

APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
1 T15 LM 07006-01	TRAINING PROGRAM IN MEDICAL INFORMATION SCIENCE	01 149,254
		02 151,956
		03 154,980
		04 157,990
		05 161,410
1 T15 LM 07008-01	MOUNT SINAI-CUNY-RUTGERS, COMPUTERS IN MEDICINE	01 140,058
		02 159,372
		03 177,616
		04 193,857
		05 212,809

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

BOARD OF REGENTS

Extramural Programs Subcommittee Meeting

June 25, 1975

ATTENDEES

Subcommittee Members Present:

Dr. Faye G. Abdellah
Dr. Susan Y. Crawford
Mrs. Bernice M. Hetzner
Dr. Joseph F. Volker
Dr. Ethel Weinberg

NLM Staff Present:

Dr. Ernest M. Allen, Associate Director for Extramural Programs
Mr. Arthur J. Broering, Deputy Associate Director for Extramural Programs
Dr. Jeanne L. Brand, Chief, International Programs Division, EP
Dr. Roger W. Dahlen, Chief, Division of Biomedical Information Support, EP
Mr. Richard T. West, Chief, Office of Program Planning and Evaluation, EP
Mrs. Helen S. Bennison, Grants Management Specialist, EP
Mrs. Ruth E. Bortz, Grants Management Assistant, EP
Mr. Peter A. Clepper, Program Officer, EP
Mrs. Karin K. Colton, Committee Management Assistant
Mrs. Doris J. Doran, Program Officer, EP
Mrs. Frances H. Howard, Special Assistant to the Associate Director, EP
Miss Maureen J. Malone, Program Officer, EP
Mrs. Kathleen Nichols, Grants Management Assistant, EP
Mrs. Marguerite L. Pusey, Grants Management Specialist, EP
Dr. Dorothy A. Stroup, Program Officer, EP
Mr. Randall Worthington, Program Officer, EP
Dr. Galina Zarechnak, Program Officer, EP

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
NATIONAL INSTITUTES OF HEALTH
NATIONAL LIBRARY OF MEDICINE
Bethesda, Maryland

A G E N D A

52nd Meeting of the

BOARD OF REGENTS

9:00 a.m., November 25-26, 1975

Board Room
National Library of Medicine

MEETING OPEN: All day on November 25 and from 9:00 to 10:30 a.m. on November 26.

MEETING CLOSED: From 10:30 a.m. to adjournment on November 26 for review of grant applications.

- I. CALL TO ORDER AND INTRODUCTORY REMARKS Dr. W. N. Hubbard, Jr.
- II. CONSIDERATION OF MINUTES OF LAST MEETING TAB I
(Orange Book)
- III. DATES OF FUTURE MEETINGS TAB II
1976 Calendar
Next Meeting: March 11-12, 1976 (Th-F)
Subsequent Meeting: June 24-25, 1976 (Th-F)
Selection of Dates for Fall 1976 Meeting:
Sept. 23-24 (Th-F) Sept. 29-30 (W-Th) Oct. 7-8 (Th-F)
- IV. REMARKS BY THE ASSISTANT SECRETARY FOR HEALTH Dr. Theodore Cooper
- V. REMARKS BY THE DIRECTOR, NIH Dr. Donald S. Fredrickson
- VI. REPORT OF THE ACTING DIRECTOR, NLM TAB III Mr. Melvin S. Day
- COFFEE BREAK

- VII. INTERNATIONAL MEDLARS POLICY ADVISORY GROUP MEETING TAB IV Miss Mary E. Corning

- VIII. ORAL HISTORY PROGRAM TAB V Dr. Peter D. Olch
Mr. Charles T. Morrissey,
and Dr. Saul Jarcho,
Discussants

LUNCHEON CATERED IN CONFERENCE ROOM "B"

- IX. REVIEW OF NLM POLICIES TAB VI
 - A. Special Policy Issues
 - 1. National Medical Audiovisual Center Dr. George E. Mitchell
Dr. Stewart G. Wolf, Jr.,
Discussant
 - 2. Lister Hill National Center for Biomedical Communications Dr. Robert M. Bird
Dr. William G. Anlyan,
Discussant
 - 3. Specialized Information Services Dr. Henry M. Kissman
Dr. G. Burroughs Mider,
Discussant
 - 4. International Programs Miss Mary E. Corning
Dr. Robert H. Ebert,
Discussant

COFFEE BREAK

- 5. Computer and Communications Systems Mr. David B. McCarn
Mr. Alfred R. Zipf,
Discussant
- 6. Library Operations Dr. Joseph Leiter
Mrs. Bernice M. Hetzner,
and Dr. Joseph F. Volker,
Discussants

B. Affirmation and/or Modification of Existing Policies Tab A - G

R E C E S S

DINNER Bethesda Naval Officers' Club
 Cocktails (Cash Bar): 6:30 p.m. "Anchor Room"
 Dinner (Dutch Treat): 7:30 p.m. "Oakleaf Room"

SPEAKER: Dr. O. K. Harlem
 Visiting Scientist at the
 National Library of Medicine
 from Norway

TOPIC: "Who really cares about communication?"

R E C O N V E N E: 9:00 a.m., November 26, 1975

X. REPORT OF THE ASSOCIATE DIRECTOR FOR EXTRAMURAL PROGRAMS

Dr. Ernest M. Allen
Dr. Doris H. Merritt,
Discussant on Item "C"

A. DRG Administrative Report TAB VII

B. Review of Board Operating Procedures--
"Guidelines for Adjustments by Staff
in Time and Amount of Grant Award"

C. Review of Extramural Programs' Policies TAB VI
Tab G

D. RML Status Report

Mr. Arthur J. Broering

E. Status of Training Grant Support

Dr. Roger W. Dahlen

COFFEE BREAK

MEETING CLOSED FOR REVIEW OF GRANT APPLICATIONS

I. SPECIAL APPLICATIONS

(Gray Book)

- A. Research
- B. Special Scientific Project
- C. Resource
- D. Training
- E. Publication

- TAB I
- TAB II
- TAB III
- TAB IV
- TAB V

Dr. Roger W. Dahlen

Dr. Jeanne L. Brand

II. SUMMARY STATEMENTS

- A. Research
- B. Special Scientific Project
- C. Resource
- D. Training
- E. Publication

- TAB VI
- TAB VII
- TAB VIII
- TAB IX
- TAB X

Dr. Roger W. Dahlen

Dr. Jeanne L. Brand

III. ADJOURNMENT

Dr. W. N. Hubbard, Jr.

DEPARTMENT OF HEALTH, EDUCATION

AND WELFARE

NATIONAL INSTITUTES OF HEALTH
NATIONAL LIBRARY OF MEDICINE

BOARD OF REGENTS

MINUTES OF 52ND MEETING

NOVEMBER 25-26, 1975

BOARD ROOM
NATIONAL LIBRARY OF MEDICINE
BETHESDA, MARYLAND

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

THE BOARD OF REGENTS OF THE NATIONAL LIBRARY OF MEDICINE

Minutes of Meeting 1/ 2/

November 25-26, 1975

The Board of Regents of the National Library of Medicine was convened for its fifty-second meeting at 9:00 a.m. on Tuesday, November 25, 1975, in the Board Room of the National Library of Medicine, Bethesda, Maryland. Dr. W. N. Hubbard, Jr., President, The Upjohn Company, and Chairman of the Board of Regents, presided. In accordance with P.L. 92-463 and the Determination of the Director, NIH, and as announced in the Federal Register on October 7, 1975, the meeting was open to the public from 9:00 a.m. to 5:00 p.m. on November 25, 1975. On November 26 the meeting convened at 8:15 a.m. instead of 9:00 a.m. as announced due to unfinished business scheduled to have been completed on the previous day. The meeting was closed from 10:30 a.m. to adjournment on November 26 for the review, discussion, and evaluation of grant applications. A Board roster is included in Attachment "A."

Board members present were:

Dr. Daniel J. Boorstin (Attended November 25 only)
Dr. W. N. Hubbard, Jr.
Dr. Joseph F. Volker
Dr. Ethel Weinberg

Alternates to Board members present were:

Dr. Faye G. Abdellah, representing Dr. S. Paul Ehrlich, Jr.
Col. Mims C. Aultman, representing Lt. Gen. Richard R. Taylor
Brig. Gen. Ernest J. Clark, representing Lt. Gen. George E. Schafer (Attended November 25 only and was represented by Col. Harry T. Cerha on November 26)
Capt. J. William Cox, representing Vice Adm. Donald L. Custis
Dr. Richard R. Drisko, representing Dr. John D. Chase
Dr. William J. Riemer, representing Dr. Eloise E. Clark (Attended November 25 only)

1/ For the record, it is noted that members absent themselves from the meeting when the Board is discussing applications from their respective institutions (interpreted to mean the entire system of which a member's institution is a part) or in which a conflict of interest might occur. Only when an application is under individual discussion will the Board member absent himself. This procedure does not apply to "en bloc" actions.

2/ The Board of Regents, when considering the extramural programs of NLM, also constitutes and serves as the National Medical Libraries Assistance Advisory Board.

National Library of Medicine staff members attending this meeting included:

Mr. Melvin S. Day, Acting Director
Dr. Harold M. Schoolman, Assistant Deputy Director
Dr. Ernest M. Allen, Associate Director for Extramural Programs
Dr. Clifford A. Bachrach, Head, Medical Subject Headings Section, LO
Mr. Harry D. Bennett, Deputy Associate Director for Computer and Communications Systems
Mr. Albert M. Berkowitz, Chief, Reference Services Division, LO
Dr. Robert M. Bird, Director, Lister Hill National Center for Biomedical Communications
Dr. John B. Blake, Chief, History of Medicine Division, LO
Dr. Jeanne L. Brand, Chief, International Programs Division, EP
Dr. Charles F. Bridgman, Associate Director for Educational Resources Development
Mr. Arther J. Broering, Deputy Associate Director for Extramural Programs
Mr. William H. Caldwell, Chief, Bibliographic Services Division, LO
Miss Mary E. Corning, Assistant Director for International Programs
Dr. Roger W. Dahlen, Chief, Division of Biomedical Information Support, EP
Mr. Benjamin Erdman, Deputy Director, Lister Hill National Center for Biomedical Communications
Mr. Joseph F. Gantner, Chief, Technical Services Division, LO
Mr. Charles M. Goldstein, Chief, Computer Technology Branch, LHCNBC
Dr. Henry M. Kissman, Associate Director for Specialized Information Services
Dr. Joseph Leiter, Associate Director for Library Operations
Mrs. Erika Love, Deputy Associate Director for Library Operations
Mr. Davis B. McCarn, Associate Director for Computer and Communications Systems
Mr. Robert B. Mehnert, Chief, Office of Inquiries and Publications Management
Dr. George E. Mitchell, Director, National Medical Audiovisual Center
Dr. Peter D. Olch, Deputy Chief, History of Medicine Division, LO
Mr. Kent A. Smith, Assistant Director for Administration
Mr. Richard T. West, Chief, Office of Program Planning and Evaluation, EP
Dr. Harold A. Wooster, Special Assistant for Program Development, LHCNBC

Others present included:

Dr. Theodore Cooper, Assistant Secretary for Health
Dr. Donald S. Fredrickson, Director, NIH
Dr. William G. Anlyan, Vice President for Health Affairs, Duke University School of Medicine -- Consultant, NLM
Dr. Fred C. Cole, President, Council on Library Resources, Inc.
Dr. Robert H. Ebert, Dean, Harvard Medical School -- Consultant, NLM
Dr. Richard A. Farley, Director, National Agricultural Library
Mrs. Bernice M. Hetzner, Professor of Library Science, University of Nebraska Medical Center -- Consultant, NLM
Dr. Saul Jarcho, Editor-In-Chief, New York Academy of Medicine -- Consultant, NLM
Dr. Doris H. Merritt, Dean for Sponsored Programs, Indiana-Purdue University at Indianapolis -- Consultant, NLM
Dr. G. Burroughs Mider -- Consultant, NLM
Mr. Charles T. Morrissey, Historian -- Consultant, NLM
Dr. Robert T. Straube, Scientist Administrator, Division of Research Grants, NIH
Mrs. Ileen E. Stewart, Executive Secretary, Biomedical Communications Study Section, DRG
Dr. Stewart G. Wolf, Jr., Director, Marine Biomedical Institute -- Consultant, NLM
Mr. Alfred R. Zipf, Executive Vice President and Senior Administrative Officer, Bank of America -- Consultant, NLM

Members of the public present:

None

I. OPENING REMARKS

Dr. W. N. Hubbard, Jr., welcomed the Regents, alternates, consultants, and guests to the 52nd meeting of the Board of Regents of the National Library of Medicine. He mentioned especially the presence of new ex officio member Dr. Daniel J. Boorstin, Librarian of Congress.

Dr. Hubbard noted that at this meeting the Board will consider the present policies of the Library and currently perceived issues relating to these policies. Ad hoc study groups will be appointed to review these issues. The study groups, composed of Regents, consultants, and NLM staff, will report at the March 1976 meeting. In March and in June the Board will concern itself with forward planning for the Library.

II. CONSIDERATION OF MINUTES OF PREVIOUS MEETING

The Board recommended approval of the minutes of the meeting of June 26-27, 1975.

III. DATES FOR FUTURE MEETINGS

The Board reconfirmed the dates of March 11-12, 1976, for the next meeting, and confirmed June 24-25, 1976, for the subsequent meeting. September 23-24, 1976, were approved tentatively for the following meeting.

IV. REMARKS BY THE ASSISTANT SECRETARY FOR HEALTH

Dr. Theodore Cooper conveyed to the Board of Regents the greetings of Secretary Mathews and the Secretary's thanks to those past Regents serving the Board in a consultant capacity. Dr. Cooper and the Secretary will make every effort to bring the Board up to its full complement. Dr. Cooper briefed the Regents on the status of the 1976 and 1977 budgets. He expressed his concern about budget priorities--especially the neglect of capital investments and service functions in favor of more glamorous categorical programs. NLM's increasing role in medical service delivery and continuing education will require a larger share of NIH's budget; agency chiefs, however, are ultimately responsible for allocation of resources. One current issue of overriding concern which Dr. Cooper discussed was the escalation of health care costs. This problem is having a great impact on decisions about allocation of resources, legislation, and regulations. Many of the large "noncontrollable" items in the Department's budget are in the health programs.

V. REMARKS BY THE DIRECTOR, NIH

Dr. Donald S. Fredrickson described the most recent meeting of the President's Biomedical Research Panel. Several subjects they discussed bear on the Library: the nature of the formal advisory apparatus and the boundaries of NIH regarding the translation of scientific knowledge to patient care. NLM is at the hub of this latter issue.

Dr. Joseph F. Volker raised the question of NLM's role in health education for the general public. This problem is equally as important as, and related to, the problem of bringing the latest results of medical research to the practitioner. Dr. Fredrickson noted that the health community must decide what should be communicated to the general public. Also, all the health professions, not only physicians, should be involved in this effort. The National Center for Health Education at the Center for Disease Control and a related private center for health education have recently been formed and have responsibilities in this area.

VI. REPORT OF THE ACTING DIRECTOR, NLM

Mr. Melvin S. Day reported on a number of issues:

1. NLM continues to expand its role as a coordinator of specialized information programs within HEW, primarily in the toxicology information activities.

2. The NLM budget remains essentially level, while manpower levels are reduced. Three years ago NLM had 470 full-time permanent employees; today's ceiling is 458. FY 1976 appropriations bills contain 468 budgeted positions (House) and 491 (Senate), but in the past the final personnel ceiling has been imposed administratively.

3. The Senate has joined the House in strongly supporting the construction of the Lister Hill Center building. The FY 1976 HEW Appropriation Bill provides \$26 million for construction of this building.

4. Los Angeles Federal District Judge Irving Hill granted the Federal Government's motion to dismiss the case brought against the Library by the System Development Corporation (SDC) to obtain MEDLARS tapes under the Freedom of Information Act. Judge Hill concluded that MEDALRS tapes are not "records" within the meaning of the Act, and thus denied SDC's claim to the tapes merely for the cost of duplicating them. A second suit by SDC in the U.S. Court of Claims in Washington, D.C., is still pending. In it, the Library is charged with violating a license agreement contained in the contract under which NLM acquired the ELHILL II software. Justice Department lawyers have also filed a petition for summary judgment and dismissal of this case. Briefs have been filed by SDC and the Federal Government, and the case is now before the full court for decision.

5. Secretary Mathews, on September 19, sent a letter to Senator McClellan, Chairman of the Subcommittee on Patents, Trademarks, and Copyrights. The Secretary's letter analyzed the effects on the Library of Subsection 108(g) of the proposed copyright legislation. Despite this letter, S. 22, the copyright revision bill, was passed by committee without the amendments recommended by NLM. The Library is continuing to seek a resolution to the photocopy problem: there have been a series of meetings between NLM staff and representatives of Williams & Wilkins to discuss the confusing "systematic reproductions" language in the copyright bill and to try to find a common position. Separate but similar letters were sent by NLM and Williams & Wilkins to Barbara Ringer, Register of Copyrights, before her testimony in Congress on copyright revision. She views these letters as a major step toward accommodation.

6. The variable rate structure for charging on-line users of the Library's MEDLINE system, begun July 1, 1975, is having a favorable effect on usage. The system is increasingly utilized during the early morning hours (nonprime time is charged at \$8 per hour), while there has been a reduction during prime time (\$15 per hour).

7. There have been a number of internal facility changes in NLM recently: space modification, compact shelving for C-level, a restricted stack access control system, coin-operated photocopiers in the Reading Room, and, also in the Reading Room, a modernized learning resource center housing AVLINE and an up-to-date collection of selected health science learning materials.

VII. INTERNATIONAL MEDLARS POLICY ADVISORY GROUP MEETING

Miss Mary E. Corning, NLM Assistant Director for International Programs, reported on the third meeting of the International MEDLARS Policy Advisory Group held at NLM on November 5-6. This group consists of policy officials of the institutions in which there is a MEDLARS Center and the Directors of the Centers. Canada, U.K., France, Sweden, Germany, Japan, Australia, and the World Health Organization were represented. Miss Corning presented an overview of the status of these Centers, the growth of MEDLARS services, and noted that two countries--Australia and West Germany--do not presently charge for services. Canada, France, and the U.K. are on-line to the NLM computer; Germany is developing its own on-line activity; and Sweden has both the MEDLARS tapes and our software package and is operating an on-line activity within Scandinavia. Sweden, Germany, and France are providing regional services in an on-line mode. In addition to NLM's data base, a number of the foreign Centers are now also acquiring other data bases in the areas of biology, chemistry, agriculture, education, etc.

The Policy Meeting addressed the following issues: TOXLINE/CHEMLINE availability, national/regional services, information interchange, networking. The decision to make TOXLINE/CHEMLINE available to our foreign partners provided an opportunity to review the quid pro quo aspects of the NLM international bilateral data base agreements. It was recommended that for our current partners the second year of MEDLARS cooperation would be as follows:

A. Tapes

MEDLARS	\$40,000	(If total file regeneration: \$50,000)
TOXLINE	10,000	
CHEMLINE	1,000	
CATLINE	5,000	

B. On-Line Access to NLM

1. 300 hrs/month provides access to MEDLARS, TOXLINE, CHEMLINE, CATLINE \$50,000
2. 40 access codes, with procedure established so that NLM knows the assignment of these codes (prior NLM approval required for terminals outside national boundaries).

3. Increments at 60 hrs/month, 8 user codes \$10,000
4. Access time will no longer be counted
@ 300 hrs/month, but 3600 hrs/year.
This is subject to change if this results
in an overload for NLM this coming year.
5. If a Center wishes only to use MEDLARS,
then the basic agreement would be 240 hrs/month
and 32 user codes \$40,000

C. Software

1. The one-time price of \$50,000 remains.
2. There will be no "maintenance" cost of \$10,000.
3. The Centers are encouraged to use this \$10,000
to maintain their systems and programming
capabilities.
4. The NLM commitment is to provide systems docu-
mentation for current and subsequent versions
of the software. Responsibility for installation,
maintenance and operation rests with the foreign
Center.

These dollar values are converted into quid pro quo
services--primarily indexing by the foreign Centers
for the NLM MEDLARS data base.

The TOXLINE and CHEMLINE data bases which are now included in the arrangements for MEDLINE (if the foreign Centers so desire) contain proprietary information from Chemical Abstracts Service, BioSciences Information Service, and the American Society of Hospital Pharmacists. Accordingly, representatives of these organizations attended the meeting to participate in the TOXLINE/CHEMLINE discussions. A mechanism was agreed upon whereby NLM would make TOXLINE/CHEMLINE available after specific negotiations about the proprietary data bases had been completed on an individual basis.

The Policy Group agreed that Technical Workshops should be more oriented to technical problems with a formal report made to all Centers. The next Policy Group meeting will be in about two years and will examine three policy papers to be prepared: the relation between a document delivery center and a bibliographic information center; building of data (not bibliographic) information bases; and networking.

Following Miss Corning's presentation, Dr. Volker asked about the possibility of arrangements with the Soviet Union and the People's Republic of China for access to NLM's data bases. Miss Corning replied that in 1973 there had been discussions with representatives of the Soviet Union about this; the problem at that time was the unavailability in the U.S.S.R. (at least for these purposes) of a sophisticated computer system. This stumbling block is true also for China.

Dr. Anlyan added that the Chinese are beginning to Romanize the input/output language for their computers; presumably they would be able to interface with NLM's system sometime in the future. Miss Corning indicated that any future arrangements with the U.S.S.R. and the P.R.C. would be consistent with existing bilateral arrangements.

The Board recommended approval of the changes to the quid pro quo bilateral MEDLARS arrangements presented by Miss Corning.

VIII. ORAL HISTORY PROGRAM

Dr. Peter D. Olch, NLM Deputy Chief of the History of Medicine Division, described the development of NLM's Oral History Program since its beginning in 1965. To date the Library has acquired some 520 hours of oral history material. Approximately 20 percent of this material was tape-recorded by Dr. Olch; much of the remainder was obtained through contracts with scholars. The Program was evaluated in 1974 by consultants who recommended a shift in emphasis from oral history toward the solicitation of manuscripts. Individuals should be selected for interviews on the basis of accessibility of their personal papers and the predicted value of a supplementary interview. Dr. Olch noted that since the 1974 review more time has been devoted to an active manuscripts acquisition program.

Dr. Saul Jarcho, one of the discussants for Dr. Olch's presentation, noted that oral history is a time-consuming, expensive, low-yield method of acquiring material. He responded to several specific questions that Dr. Olch had raised: (1) Oral history should be subordinate to collecting manuscripts; (2) a standing panel of advisors is unnecessary--experts should be called on for advice only as needed; (3) if the number of interviews to be conducted is small, the interviews could be done by Dr. Olch or by others known to be competent--medical students and physician colleagues should not be used as interviewers, rather professional historians, if possible; (4) although videotape interviews would be popular, they should be made only for persons in the oral history project; (5) NLM should not be a repository for the historical papers of various Federal health agencies, such as is proposed for the Federal Nursing Services.

Following Dr. Jarcho's presentation, Dr. Abdellah urged that the Oral History Program include women as subjects, not just men, and that it not be limited to medicine, but include also the other health professions. She hoped that NLM would consider holding selected important materials related to the Federal Nursing Services--neither the National Archives nor the new Armed Forces Medical School would be satisfactory for this purpose.

The second discussant, Mr. Charles T. Morrissey, also responded to several of the questions raised by Dr. Olch: (1) Oral history should be subordinated to manuscript collection, and is especially valuable where gaps exist in the written record; (2) colleagues should not conduct interviews--specialized training in oral history for individuals competent in the subject area would be desirable; (3) videotape interviews can be very helpful to pick up nonverbal information, and videotape lends itself more readily to teaching purposes. Mr. Morrissey

was also concerned about setting a precedent by accepting Federal records in the manuscripts collection of NLM.

Dr. Hubbard summarized these areas of concern: (1) the continuity of the Oral History Program in a historical sense, including its manuscript component; (2) the "personal profile" kind of record of major figures, which may not have deep historical value, but is of interest in itself; and (3) the broad question as to what extent the Library should serve as a repository of such records as those of the Federal Nursing Services. To study these issues, the Chairman appointed an ad hoc study group to report to the Board in March, consisting of Captain Cox, Chairman, Dr. Jarcho, Dr. Mitchell, and Dr. Olch.

IX. REVIEW OF NLM POLICIES

A. COMPUTER AND COMMUNICATIONS SYSTEMS

1. Replacement Computer Selection for NLM

Mr. Davis B. McCarn, NLM Associate Director for Computer and Communications Systems, described how the Library obtained interim approval for the MEDLARS IBM 370/158 computers from the General Services Administration (GSA). GSA will soon be issuing a Request for Proposal (RFP) for a new computer system to replace the present IBM system. The Library will be urged to accept the lowest bid under the competitive procurement system. This may not necessarily be the best system for present and future services.

Mr. Alfred R. Zipf, discussant for Mr. McCarn's presentation, said he was "appalled" that, now that the new IBM system is installed and operating, GSA is insisting on its requirement for competitive bidding and a possible change in systems. The costs for such a changeover, if it were to come about, would be in the range of \$2-4 million. Mr. Zipf distributed to the Regents a draft resolution which outlined the potential conversion costs and which recommended that the Board of Regents review the selection of a new system prior to the final award. After discussion, the Regents voted to make the recommendation in the form of two resolutions to the Secretary (Attachment "B"), with a covering letter outlining the cost factors that would be attendant on a changeover of systems. The advice of the Assistant Secretary for Health, Dr. Theodore Cooper, will be sought on how best to transmit the resolutions. [Note: Subsequent to the Board of Regents' meeting, GSA decided to delay the issuing of an RFP. Because of this, the Chairman of the Board of Regents decided to delay transmitting the resolutions until the RFP is issued.]

2. Scope of NLM On-Line Services

Mr. McCarn noted that NLM is receiving an increasing number of requests from government organizations, particularly NIH components, to put up for them on the NLM computers in an on-line mode their

data bases. CANCERLINE, operational for over a year, is an example of such a project. The question of providing such services on the Library's computers is a central issue in planning NLM's future direction. To what extent should NLM become a biomedical information center for data bases from other agencies?

Mr. Zipf listed a number of limitations in accepting a data base from another agency: It should be a complete system, related to biomedicine; it should provide a library-related function, such as bibliographic references; it should not be a viable commercial product; it should not duplicate existing services; NLM standards of technical quality should be met; the content and maintenance of the information program should be the responsibility of the sponsoring agency.

Dr. Hubbard appointed an ad hoc study group to consider the scope of on-line services, especially in light of the potential problems of changing computer equipment systems. The study group will also consider proposed modifications to the existing policy statement on on-line services. The Board will receive a progress report in March. Appointed to the study group were General Clark, Chairman, Colonel Aultman, Mr. Zipf, Mr. McCarn, and Mr. Erdman.

B. NATIONAL MEDICAL AUDIOVISUAL CENTER

Dr. George E. Mitchell, Director of the Library's National Medical Audiovisual Center, reviewed the existing statements of policy under which NMAC operates. There are four such statements, dating from 1968 to 1973. These policies have been rewritten and combined into a new draft statement, which Dr. Mitchell presented for the Board's consideration.

Dr. Stewart G. Wolf, Jr., discussant for Dr. Mitchell's presentation, said that the new statement of policy has been well worked out, and he would recommend that the Board adopt it. He commented on several problem areas of NMAC's operation: The power structure of the medical schools frequently place a low priority on audiovisual education; the need for NMAC to be more involved in multidisciplinary health education; the increasing demands of continuing medical education.

Dr. Anlyan remarked that there is a need to "educate the high-level educators," and asked Dr. Mitchell to comment. Dr. Mitchell described the Center's present training program of workshops and seminars on audiovisual media development for various disciplines--nurses, physicians, etc. This year there will be five regional workshops aimed at high-level administrators and educators.

The proposed policy statement on the National Medical Audiovisual Center was recommended for approval by the Regents without dissent (Attachment "C").

C. LISTER HILL NATIONAL CENTER FOR BIOMEDICAL COMMUNICATIONS

Dr. Robert M. Bird, Director for the Library's Lister Hill National Center for Biomedical Communications, presented two existing policies to the Board for affirmation: (1) that the "Statement of Organization and Functions and Delegations of Authority" is as appropriate in 1975 as it was in 1968, and (2) the policy recommendations previously adopted by the Board of Regents in November 1971 and November 1973. The Board unanimously voted to affirm the policies as described in the Agenda Book.

Dr. Bird next identified three issues requiring consideration by the Regents: (1) the scope of the Lister Hill Center's involvement in broadband communication (such as its role in the New Hampshire/Vermont Medical Interactive Television Network, and the ATS-1 and ATS-6 satellite experiments); (2) the Center's involvement in translating the results of biomedical research into general practice; and (3) the role of the Center in developing health education programs for the general public.

Dr. William G. Anlyan, discussant for Dr. Bird's presentation, said it was important that the Lister Hill Center continue to operate as an agent for R and D demonstration and evaluation, not as an operator of ongoing systems. He suggested the Center might wish to investigate such modalities as on-line audiovisual communications and long-distance xerography between academic centers and the Area Health Education Centers. New ways of tying general practitioners into the latest applied clinical research findings should also be investigated, such as on-line consultation, for which models already exist. Health education for the general public is an extremely important issue; the Library might wish to cooperate with CDC's Bureau of Health Education in certain aspects of it. There was much discussion by the Regents and consultants about what role, if any, the Library has in public health education.

Dr. Hubbard appointed an ad hoc study group to look into the three issues raised by Dr. Bird and report at the next meeting: Dr. Volker, Chairman, Dr. Anlyan, Dr. Wolf, Dr. Bird, and Dr. Mitchell.

D. INTERNATIONAL PROGRAMS

Miss Mary E. Corning, NLM Assistant Director for International Programs, reviewed the history of the development of NLM's international programs, beginning with Dr. Billings and referring to the delegation of authority from the Surgeon General in 1963 when the Library was given authority "to act as a principal resource within the Public Health Service for the improvement of the international exchange of published biomedical information through extramural support for the translation of foreign journals, monographs, critical reviews...and distribution of these translated materials to the American biomedical community."

In 1966 the Board approved a five-year plan for international programs that identified eight program area activities and five objectives. The Program Plan adopted by the Board of Regents included: translations, abstracting and indexing services, literature reviews, exchange of publications, sale or exchange of MEDLARS tapes, interlibrary loans, resource building, and training of personnel. The objectives were: to support public and agency programs of sharing and disseminating information internationally; to improve the flow of the world's published biomedical information to U.S. scientists; to maintain and strengthen translations, abstracting, indexing, review, and other programs which fulfill this aim; to establish a clearinghouse which will accelerate dissemination of biomedical translations; and to develop a strong consolidated training program. Substantial modification of the programs since that time reflect U.S. needs and foreign capabilities. These changes in emphasis have also been a result of the Board's deliberations and site visits.

The current international programs are a natural extension of domestic responsibilities and represent a sharing of time, talent, and resources, and are of demonstrated value to the U.S. Miss Corning asked that the Board affirm formally that the conduct of these programs is in the interest of NLM. She also asked the Board to affirm the principle that the quid pro quo bilateral MEDLARS agreements be based primarily on scientific substantive exchange. The Board was also asked to modify the statement of objectives adopted in 1966 to one primary objective of international programs to improve U.S. research, education, and services in health and health-related sciences by the mechanism of international cooperation and collaboration in biomedical communications. In addition, Miss Corning suggested that Library staff be given the opportunity to reexamine the Library's role as an international resource which would also include the new and developing programs of NMAC and the LHNCBC. This study would be presented to the Board next June.

Miss Corning reviewed for the Board background which led to her asking the Board's approval for the Library to place a notice in NLM publications of copyright protection outside the U.S. This action has the official concurrence of the HEW General Counsel and the Register of Copyrights. NLM publications will carry the copyright symbol and the statement: "All or portions of this publication are protected against copying or other reproduction outside of the United States in accordance with the provisions of Article II of the Universal Copyright Convention."

Dr. Robert H. Ebert, discussant for Miss Corning's presentation, supported all of the suggestions she made to the Board. He noted that the Library's international programs have a bearing on the deliberations of the President's Biomedical Research Panel, of which he is a member. NIH and the medical research it supports have resulted in the U.S. assuming the leadership role in biomedical research and biomedical communications. The Panel is especially concerned with: technology transfer; new programs mandated by Congress which give NIH an increasing role in control and demonstration; the need for more stable funding; the problem in filling advisory council vacancies; peer review; the balance between directed and nondirected research; the balance between contract and

grant-supported research; the special position of the National Cancer Institute within NIH; and the impact of NIH funding on the medical schools.

The Board unanimously recommended approval of the recommendations presented by Miss Corning.

E. SPECIALIZED INFORMATION SERVICES

Dr. Henry M. Kissman, NLM Associate Director for Specialized Information Services, presented to the Regents the issue of the Library's involvement in developing information services in cooperation with other agencies. This is a broad subject that applies to virtually all areas of NLM. Examples of such cooperative arrangements are the involvement with the Toxicology Information Subcommittee and CANCERLINE. What degree of control should NLM exercise in such projects? Dr. Kissman presented two "service modes" under which NLM might operate in inter-agency projects: (1) NLM provides services directly to the user; (2) NLM develops services to the point of operation and then the actual provision of services becomes either a shared responsibility or the sole responsibility of the cooperating agency. There is a range of possible controls which NLM could exercise over such services, ranging from absolute control over all aspects of operation (mode 1 above) to a service in which NLM had just an advisory function to monitor program content.

Dr. G. Burroughs Mider, discussant for Dr. Kissman's presentation, said it is important that the collaborating agencies should share costs in any cooperative project. Projects should be the result of successful negotiation of such factors as the overall program objectives, the nature of the input and output, the format of the product, etc. In some cases, where the cooperating agency has the capability to run the computers, prepare tapes, or actually prepare the product, NLM should have minimal control (except that exerted during the negotiation stage).

The Chairman appointed an ad hoc study group to consider the matter of NLM's involvement in interagency information projects, consisting of Dr. Hubbard, Chairman, Dr. Clark, Dr. Kissman, and Dr. Bird. The study group will report to the Board in March.

F. LIBRARY OPERATIONS

Dr. Joseph Leiter, NLM Associate Director for Library Operations, presented to the Regents three major policy issues requiring Board consideration:

1. Preservation--The authority for the Library's involvement in preservation is clearly stated in its legislation. The two major methods used today are binding and microfilming of deteriorating material. There needs to be a policy for a long-range preservation program if we are to keep from losing important material to decay.

2. Scope and Coverage--The Library needs an updated statement on the range of subjects that should be represented in the collection (scope) and the depth and extent to which these subjects are included (coverage). Especially in the peripheral areas of health, a revised policy is needed to guide the Library in building its collection. The staff of Library Operations has begun planning an up-to-date scope and coverage statement for publication. Board review of this will be necessary. Closely related to scope and coverage are the criteria for selecting journals for Index Medicus.
3. User Charges--NLM legislation and published regulations give the Library the authority to charge for any of its services to recover costs. It is desirable at this time to review the user charge policy to ensure that it is consistent throughout the Library and that staff has clear guidelines for establishing user charges.

Mrs. Bernice M. Hetzner, discussant for Dr. Leiter's presentation, emphasized that any review by the Board of the issues that Dr. Leiter had raised should not be construed as criticism of present operations and procedures. She recommended that the Board form a study group to consider policy in the areas of preservation, scope and coverage, and user charges.

The Regents affirmed without dissent the existing Library Operations policies presented in the Agenda Book. These policies are related to: acceptance of gifts, study room availability, interlibrary loan, special photographic services, NLM as a Regional Medical Library, NLM Exchange Program, cataloging and bibliographic services, and Recurring Bibliographies. Dr. Hubbard then appointed an ad hoc study group, consisting of Dr. Abdellah, Chairwoman, Mrs. Hetzner, Dr. Michael, and Dr. Leiter, to review policies for preservation, scope and coverage, and user charges. The study group, which will report to the Board in March, may wish to appoint task groups and consultants as necessary in the different subject areas.

X. REPORT OF THE ASSOCIATE DIRECTOR FOR EXTRAMURAL PROGRAMS

Dr. Ernest M. Allen, NLM Associate Director for Extramural Programs, commenced by drawing attention to two items in the DRG Administrative Report: (1) An internal study team has been established by NIH in response to the continuing pressure for review and changes in the peer review system. The study team will conduct a comprehensive examination of every aspect of the peer review system. (2) The National Research Service Award Program has now fixed the date of January 2 for receipt of applications. Announcements of awards will be made by June 1976.

As required annually at the first meeting in the new fiscal year, Dr. Allen presented for review the Board Operating Procedures--"Guidelines for Adjustments by Staff in Time or Amount of Grant Award"--which were adopted in 1964. The Board reaffirmed the guidelines without revision. (Attachment "D")

Dr. Allen then proceeded with the review of Extramural Programs policies, consisting of (1) affirmation of existing policies, spelled out in the addendum to the PHS Grants Policy Statement and the Regional Medical Library Program Policy Statement; (2) modification of an existing policy; and (3) one special policy issue for examination.

After some discussion and background information provided by Dr. Allen, the Board recommended affirmation of the existing policies, as outlined in the Agenda Book.

Dr. Allen then presented for modification the existing Board policy on "Document Delivery Support," which was approved by the Board at its meeting in November 1971, as follows:

"Resource Grant funds shall not be used to defray any of the expenses involved in document delivery services."

Modification was requested with the following qualifying addition to the existing policy:

"When adequately justified, grant funds may be used for those interlibrary loan-related activities which enhance the cooperative efforts of a consortium formation."

The Board recommended adoption of the modification to the existing Board policy.

Next Dr. Allen proceeded with the presentation of the one new policy issue for examination by the Board involving the extension of a Board policy adopted at the March 1975 meeting. The Board had recommended in March that "NLM shall support only those proposals in Specialized Information Systems which do not fall within the categorical interests of any of the PHS awarding institutes or divisions." Dr. Allen stated that almost immediately after adoption of this policy NLM received applications that seemed to warrant the following extension of the policy:

"Medical Library Resource Grant support is not allowable for library and information services unique to a project and required for the conduct of the project, appropriately considered as direct costs, which are created as a part of, or direct result of the programs of a non-NLM awarding agency."

The Board recommended approval of the policy.

The Board of Regents' position on this issue, Dr. Allen explained, would be presented by Mr. Day to the Directors of the various NIH institutes in order to establish a common agreement, making it the individual institute's obligation and not NLM's to provide this type of support.

In keeping with the procedure established for all other NLM divisions, Dr. Hubbard appointed Dr. Ethel Weinberg to serve as Chairwoman, Dr. Doris H. Merritt as consultant, and Dr. Allen as staff representative on an ad hoc study group which would look at the Extramural Programs' effort, concentrating on Library/Board initiative in the entire area of the grant mechanism and the utilization of that mechanism to foster optimally the purposes of the Library programs. The group is to report back to the Board at the March 1976 meeting.

Before proceeding with the regular program, Dr. Allen called the Board's attention to a new order issued recently by the Secretary's office, which necessitates a modification in the review procedure currently used for the Medical Library Resource Improvement Grant applications. The new regulation required that no one charged with making awards shall also have the final responsibility for the review of grant applications. Dr. Allen announced that the Extramural Programs Subcommittee had agreed to review the applications. Mrs. Bernice M. Hetzner will provide the intensive review of these small grant applications prior to each Subcommittee meeting and report her findings to the members. Dr. Allen reported that at the November 24 meeting the Subcommittee approved 51 Improvement Grant applications. Dr. Hubbard thanked Mrs. Hetzner for taking on this additional responsibility.

XI. LIBRARY CONSTRUCTION GRANT AWARDS

As promised at the June meeting, Mr. Arthur J. Broering, NLM Deputy Associate Director for Extramural Programs, briefly reported on the final decisions reached by the National Advisory Council on Health Professions Education of the Bureau of Health Manpower as to the funding of eight library construction grant applications, submitted under the authority of the Comprehensive Health Manpower Training Act and reviewed by Dr. Volker, Dr. Weinberg, and Mrs. Hetzner on April 30, 1975. The Council concurred with the initial reviewers' recommendations on six applications and reversed two recommendations.

XII. RML STATUS REPORT

Mr. Broering brought the Board up to date on the RML terminal contracts to the College of Physicians of Philadelphia and The New York Academy of Medicine. The Request for Proposal (RFP) was advertised in August and documents were provided in September to some 25 institutions in Regions II and III, encompassing the four-state area of New York, New Jersey, Pennsylvania and Delaware. Responses to the RFP are due at the National Library of Medicine on January 5. This is a modification of the time table given the Board in June. The new scheduling will have the advantage of providing a more comprehensive review of the competitive responses at the March meeting. Mr. Broering elaborated by stating that the intent is to establish an evaluation team, consisting of a Board of Regents' component; a technical evaluation group made up of appropriate program staff of the Library; and a business management evaluation group selected from NLM Contracts Office and Financial Management Office personnel. These three groups would review the responses concurrently and report their findings to the Board at its March 1976 meeting.

XIII. STATUS OF TRAINING GRANT SUPPORT

Dr. Roger W. Dahlen, Chief, Division of Biomedical Information Support, EP, reviewed the background of the NLM Training Grant Program: In July of 1971 a report was published by the Association of American Medical Colleges for the National Library of Medicine, designed primarily to provide guidance and advice for the Lister Hill Center in "educational technology for medicine." The Steering Committee which developed this report believed that the time had come to exert strong leadership in the development of the computer science field as it relates to medical education and the preparation of professionals for the delivery of health care. The Committee recommended that the Library make every effort to obtain moneys to fund initially about ten regional medical computer science divisions in universities with strong computer science programs. Utilizing this report, NLM developed the Health Sciences and Computer Technology Training Program currently in operation. The ultimate goal of this program is to promote the complete and effective integration of computer technology into all phases of clinical medicine: teaching, practice, and research.

The program was started in FY 1972 with the first authority, and five institutions received awards. As a result of the NIH training program termination in 1972, the program could not be expanded to include additional training sites. The five original institutions, however, were allowed to continue with their training program. FY 1974 brought the release of impounded funds, resulting in two new grants. When NLM received its extended authorization in FY 1975, three more institutions were funded.

From 1972 to 1975 NLM has expended approximately \$2.5 million--\$1.0 million on direct trainee aid and about \$1.4 million in the non-trainee category. During this four-year period, 137 stipends were awarded in support of 92 individuals who have been receiving or are receiving training under this program. The average expenditure per individual amounts to approximately \$27,000, or \$18,000 per stipend.

MEETING CLOSED FOR REVIEW OF GRANT APPLICATIONS FROM 10:30 A.M. TO 11:15 A.M.

XIV. RESEARCH, RESOURCE, SPECIAL SCIENTIFIC PROJECT, TRAINING, AND PUBLICATION GRANT APPLICATIONS

Before proceeding with the consideration of pending applications, Dr. Dahlen informed Board members and consultants of confidentiality and conflict-of-interest procedures and reminded all appointed Regents and consultants to sign, at the conclusion of the grant review, the statement certifying that they had not participated in the discussion of any applications where conflicts of interest might occur.

The Board concurred with recommendations of the Extramural Programs Subcommittee which had met on November 24. A total of 62 applications was reviewed, of which 24 were recommended for approval, 33 for disapproval, and 5 for deferral. Grant applications recommended for approval by the Board are listed in the summary actions (Attachment "E"). Interim actions taken by EP staff since the last Board meeting in June 1975 were noted.

XV. ADJOURNMENT

The meeting was adjourned at 11:15 a.m. on Wednesday, November 26, 1975.

* * * * *

Monday, November 24, 1975, 2:00 to 4:00 p.m. (EP Subcommittee--List of Attendees under Attachment "F")

Tuesday, November 25, 1975, 9:00 a.m. to 5:00 p.m.

Wednesday, November 26, 1975, 8:15 to 11:15 a.m.

* * * * *


ACTIONS TAKEN BY THE BOARD OF REGENTS

1. The Board recommended approval of the changes to the quid pro quo bilateral MEDLARS arrangements.
2. Regarding the GSA requirements for competitive bidding and the resulting possible change in the NLM IBM computer system, the Board made recommendations in the form of two resolutions (Attachment "B").
3. The Board recommended approval of the policy statement on the National Medical Audiovisual Center (Attachment "C").
4. The Board affirmed the following existing policies of the Lister Hill National Center for Biomedical Communications:
 - a. That the "Statement of Organization and Functions and Delegation of Authority" is as appropriate in 1975 as it was in 1968.
 - b. The policy recommendations previously adopted by the Board of Regents in November 1971 and November 1973.
5. The Board affirmed the conduct of the NLM International Programs as an extension of domestic responsibilities.
6. The Board affirmed the concept that the quid pro quo bilateral MEDLARS arrangements between NLM and scientific organizations abroad be based primarily on a scientific substantive exchange.
7. The Board recommended modification of the Statement of Objectives for the International Programs, adopted in 1966, to one primary objective of the International Programs, i.e., to improve U.S. research, education, and services in health and health-related sciences by the mechanism of international cooperation and collaboration in biomedical communications.


8. The Board recommended approval that the National Library of Medicine place a notice of copyright protection outside the U.S. in NLM publications.
9. The Board affirmed the existing Library Operations policies, related to acceptance of gifts, study room availability, interlibrary loan, special photographic services, NLM as a Regional Medical Library, NLM Exchange Program, cataloging and bibliographic services, and recurring bibliographies.
10. The Board reaffirmed the Board Operating Procedures--"Guidelines for Adjustments by Staff in Time or Amount of Grant Award" (Attachment "D").
11. The Board affirmed the existing policies of the Extramural Programs.
12. The Board recommended modification of the existing Board policy on Document Delivery Support.
13. The Board recommended approval to extend the Board policy, adopted in March 1975, on Specialized Information Systems.
14. The Board concurred with recommendations of the Extramural Programs Subcommittee. Grant applications recommended for approval are listed in the summary actions (Attachment "E").

* * * * *

I hereby certify that, to the best of my knowledge, the foregoing minutes and attachments are accurate and complete.



 Martin M. Cummings, M.D. 1/27/76 (Date)
 Executive Secretary

 1/27/76

 W. N. Hubbard, Jr., M.D. (Date)
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Robert B. Mehnert
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RESOLUTIONS
REGARDING
REPLACEMENT COMPUTER SELECTION
FOR THE NATIONAL LIBRARY OF MEDICINE

The Board of Regents recognizes that the National Library of Medicine has established and fulfills a position of leadership in the application of computer technologies to the dissemination of biomedical information and library services. The limited personnel and budget resources of the NLM have been very effectively utilized in developing these capabilities.

The position of leadership is of importance to both the health of the nation and the development of information services for the biomedical community.

Considering its impact on the maintenance and development of these services, the Board of Regents is particularly concerned with respect to the evaluation and selection of alternative computer equipment which might be obtained to replace currently installed equipment. The processing programs and equipment technologies that support computer information handling are still in a state of rapid evolution. Especially in the selection of equipment technologies, care must be taken to provide for the continued improvement and expansion of NLM services.

RESOLUTION #1

Accordingly, the Board of Regents recommends that, in analyzing the technical alternatives, attention continue to be directed to the selection of computer equipment that will continue to evolve to provide cost-effective processing for not only the current services, but for the planned services currently under development as well. In light of the potentially serious ramifications on NLM expenses and service development, the Board of Regents believes it should review the selection prior to the final award.

RESOLUTION #2

Additionally, recognizing the NLM investment in current processing systems and manpower commitment to systems currently in development the cost evaluation of equipment alternatives should fully include the conversion costs resulting from replacement. Specifically, the Board is concerned with the following potential costs:

- Reprogramming and testing of substantial segments of MEDLARS to a programming language compatible with the replacement equipment.
- Redesign and recording of most program input/output routines required by the differing equipment interfaces.
- The substantial retraining effort required for operational and programming staffs.
- The costs of delays in productivity and service improvements resulting from system conversion.
- The necessity to contract with an external service bureau for system processing during testing and transition phases due to the physical constraints of existing premises.

IMPROVEMENT OF INSTRUCTION IN THE HEALTH PROFESSIONS AND THE
BIOMEDICAL COMMUNITY

I. Statement of the Policy or Policy Issue

NMAC has a mandate to administer a national program to improve instruction in the health professions and throughout the biomedical community, thereby strengthening the informational and educational components of the national health effort.

In order to meet this objective, NMAC shall:

- A. Generate state-of-the-art profiles and patterns to isolate problems unique to health professions education and study the use of proven concepts untried in health professional educational institutions to provide solutions to these problems.
- B. Develop programs and share evaluation techniques which assess effectiveness of instructional materials, learning approaches, and instructional development systems in order to identify areas where resources and efforts would improve the educational process in the health professions.
- C. Develop and produce prototype instructional materials employing a variety of approaches to demonstrate the relationship of approach, cost, instructional effectiveness, and the practicality of the processes employed.
- D. Gather, organize, and share information throughout the health science professional community about:
 1. Available instructional software which they have assessed for teaching effectiveness and content relevancy.
 2. Other existing instructional resources systems, design approaches, planning and applications.
- E. Acquire and distribute instructional materials which are not generally available from other responsive sources, and demonstrate effective approaches for national sharing and use of these materials within the health professions.
- F. Provide problem-oriented consultation and advisory assistance on the effective uses of teaching and learning environments, audiovisual systems and equipment, facilities and resources, and instructional development and utilization processes.

G. Encourage and prepare administrators, faculty and staff of health sciences schools to systematically apply validated instructional methodologies and communications technologies to the learning process.

II. Background

The above restatement of policy is a consideration of previously Board-approved policy.

III. Authority

NLM Board of Regents

IV. Modification or Revision Required

None

GUIDELINES FOR ADJUSTMENTS BY STAFF
IN TIME OR AMOUNT OF GRANT AWARD

1. Staff is authorized to exercise its responsibility to negotiate downward from the Board recommendation:
 - (a) Where activities or items can be adequately accomplished at a smaller cost than that recommended by the Board;
 - (b) Where statute, regulation, or policy requires elimination of certain items of expenditure; or
 - (c) Where the applicant voluntarily restricts the scope of his project to less than that recommended by the Board.

2. Staff is authorized to exercise its judgment and responsibility for upward revision in the dollar amount of award whenever such revision is for the purpose of carrying out the objectives of the proposal within the scope recommended by the Board.
 - (a) This authorization will cover those factors which deal with administrative adjustments in budget, such as orderly termination, institution-wide salary increases, and pro-rata adjustment of budgets to accommodate changes in project period dates.
 - (b) This authorization is not to be limited to any specific set of circumstances, but extends to any adjustment of the budget that is not for the purpose of altering scientific content or scope of the project.
 - (c) There should be no arbitrary limitation, either as a dollar amount or percentage of approved grant, on staff negotiation. Rather, the purpose of the budget adjustment should be the limitation on staff authorization.

3. Staff will report all budget adjustments in excess of \$500 to the Board at the next available meeting to permit review of the effect of these guidelines. Board confirmation of each administrative action will not, however, be required.

Adopted: 11/ 6/64
Reaffirmed: 6/24/66
Reaffirmed and
amended: 6/20/68
Reaffirmed: 11/21/69
Reaffirmed: 11/20/70
Reaffirmed: 11/23/71
Reaffirmed: 11/21/72
Reaffirmed: 11/30/73
Reaffirmed: 12/ 6/74
Reaffirmed: 11/26/75

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
 (Arranged numerically by program)

COUNCIL DATE: Nov. 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	DUAL: AI	SHORT TITLE		AMOUNTS RECOMMENDED
2 R01 LM 02024-02			02	18,000
CHIGGER MITES OF THE WORLD: LEPTOTROMBIDIUM COMPLEX				
2 R01 LM 02097-03			03	10,150
HUGH CABOT (1872-1945) : A STUDY IN MEDICAL REFORM				
1 R01 LM 02527-01A1			01A1	54,912
			02	18,022
HEALTH SCIENCES LIBRARY JOB TASK ANALYSIS				
1 R01 LM 02669-01			01	4,150
			02	550
MARTEN'S NEW THEORY - ANTECEDENTS AND INFLUENCE				
1 R01 LM 02676-01			01	3,400
			02	3,650
HISTORY OF RADIATION PROTECTION STANDARDS				
1 R01 LM 02696-01			01	12,169
			02	15,950
			03	14,024
MONOGRAPH ON FLUORIDE IN BIOLOGY AND HEALTH SCIENCES				
1 R01 LM 02708-01			01	25,998
FIVE YEAR SUPPLEMENT TO "MUSCA DOMESTICA"				

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
(Arranged numerically by program)

COUNCIL DATE: Nov. 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
1 R01 LM 02715-01	A COMPARISON OF NLM & LC CLASSIFICATIONS FOR MEDICINE	5,436
1 R01 LM 02719-01	BRITISH AND AMERICAN SEX ENDOCRINOLOGY 1890-1930	15,077
		11,576
1 R01 LM 02726-01	TRANSLATION OF WEYER'S "DE PRAESTIGIIS DAEMONUM"	22,425
		23,825

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations
and negotiations will determine final awards

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
(Arranged numerically by program)

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

COUNCIL DATE: Nov. 1975

APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
1 R01 AG 00311-01	DUAL: LM	01 67,360
		02 99,220
		03 49,065

HISTORICAL PERSPECTIVES ON THE AGED, 1850-1910

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APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
 (Arranged numerically by program)

COUNCIL DATE: Nov. 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	SHORT TITLE		AMOUNTS RECOMMENDED
1 G08 LM 02575-01		01	33,250
	HEALTH MEDIA RESOURCE CENTER OF WESTERN NEW YORK	02	34,474
1 G08 LM 02584-01		01	42,300
	DEVELOPMENT OF A LEARNING RESOURCE CENTER	02	38,924
1 G08 LM 02586-01		01	46,835
	LEARNING RESOURCE CENTER DEVELOPMENT PROJECT	02	61,635
		03	52,522
1 G08 LM 02589-01		01	27,579
	CATALOGING AND MAINTENANCE OF HISTORY OF PSYCHIATRY COLLEGE	02	22,438
		03	22,868
1 G08 LM 02595-01		01	37,955
	MULTI-MEDIA RESOURCE CENTER	02	24,912
1 G08 LM 02627-01		01	41,450
	LEARNING RESOURCES CENTER	02	50,244
1 G08 LM 02682-01		01	32,096
	MEDICAL LIBRARY RESOURCE PROJECT SUPPORT	02	15,541
		03	13,221

APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
 (Arranged numerically by program)

COUNCIL DATE: Nov. 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
1 G08 LM 02687-01		01 31,305
		02 25,760
	NORTHWEST INDIANA HEALTH SCIENCE LIBRARY CONSORTIUM	03 27,412
1 G08 LM 02693-01		01 42,102
	MEDICAL LIBRARY RESOURCE PROJECT SUPPORT	
1 G08 LM 02703-01		01 25,000
	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	02 25,000
1 G08 LM 02713-01		01 21,000
	DEVELOPMENT OF LVAHEC LIBRARY CONSORTIUM	02 19,150

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APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
(Arranged numerically by program)

COUNCIL DATE: Nov. 1975

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

APPLICATION NUMBER	SHORT TITLE	AMOUNTS RECOMMENDED
1 T15 LM 07011-01		01 98,443
		02 172,536
	PHYSICIAN COMPUTER SCIENCE TRAINING	03 173,829
		04 175,219
		05 101,037

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APPLICATIONS RECOMMENDED FOR APPROVAL BY COUNCIL 1/
(Arranged numerically by program)

INSTITUTE/DIVISION: NATIONAL LIBRARY OF MEDICINE

COUNCIL DATE: Nov. 1975

AMOUNTS
RECOMMENDED

APPLICATION NUMBER SHORT TITLE

1 K10 LM 00003-01A1

01A1

57,810

SPECIAL SCIENTIFIC PROJECT - BOOK ON FACTITIOUS DISEASE

1/ Approval recommendations are not final but are the basis upon which subsequent BID determinations and negotiations will determine final awards.

B O A R D O F R E G E N T S

Extramural Programs Subcommittee Meeting

November 24, 1975

A T T E N D E E S

Subcommittee Members Present:

Dr. Faye G. Abdellah
Mrs. Bernice M. Hetzner
Dr. Joseph F. Volker
Dr. Ethel Weinberg

NLM Staff Present:

Dr. Ernest M. Allen, Associate Director for Extramural Programs
Mr. Arthur J. Broering, Deputy Associate Director for Extramural Programs
Dr. Jeanne L. Brand, Chief, International Programs Division, EP
Dr. Roger W. Dahlen, Chief, Division of Biomedical Information Support, EP
Mr. Richard T. West, Chief, Office of Program Planning and Evaluation, EP
Mrs. Ruth E. Bortz, Grants Management Assistant, EP
Mr. Peter A. Clepper, Program Officer, EP
Mrs. Karin K. Colton, Committee Management Assistant
Mrs. Doris J. Doran, Program Officer, EP
Mrs. Frances H. Howard, Special Assistant to the Associate Director, EP
Mrs. Frances E. Johnson, Program Officer, EP
Miss Maureen J. Malone, Program Analyst, EP
Mrs. Kathleen Nichols, Grants Management Assistant, EP
Mrs. Marguerite L. Pusey, Grants Management Specialist, EP
Dr. Dorothy A. Stroup, Program Officer, EP
Mr. Randall Worthington, Program Officer, EP
Dr. Galina Zarechnak, Program Officer, EP