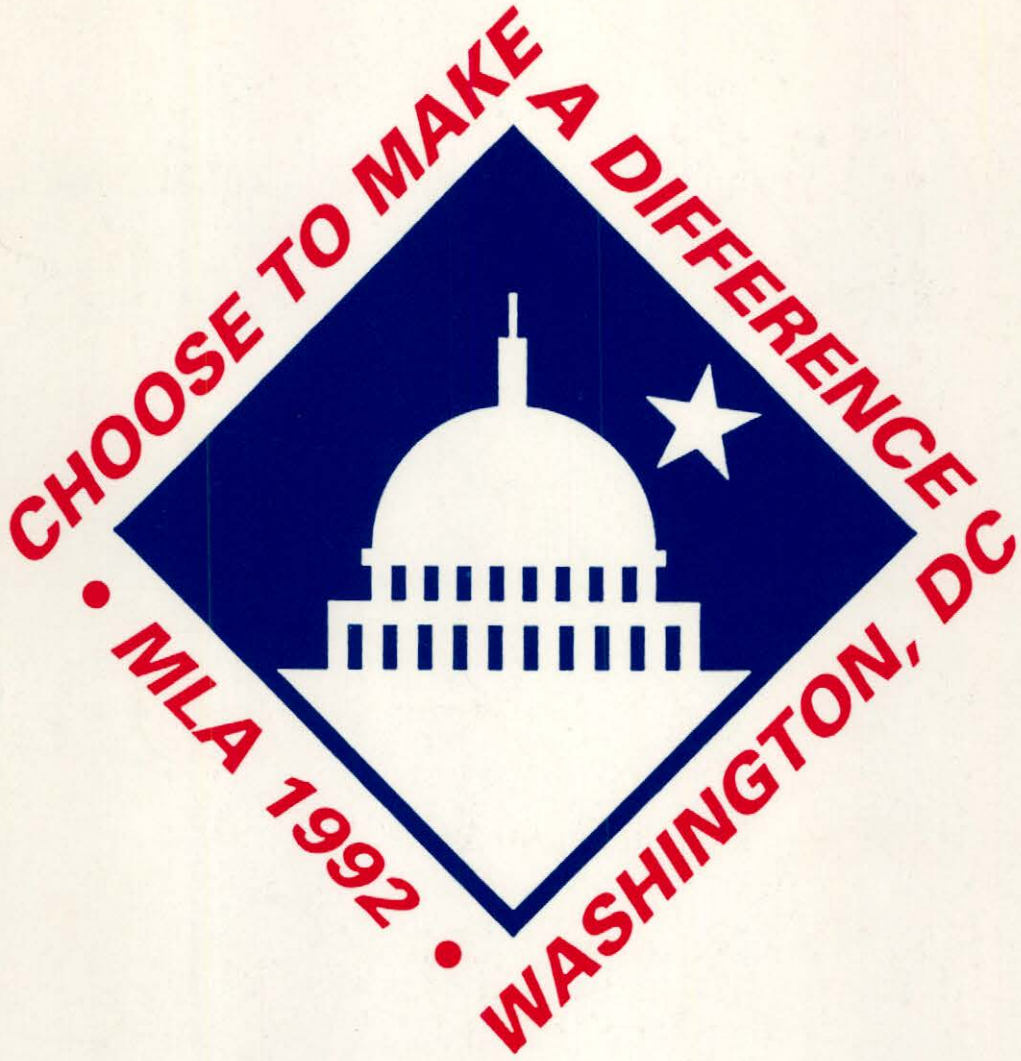

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May 15-21, 1992
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Medical Library Association
92d Annual Meeting
May 15–21, 1992
Washington, DC

◆ WELCOME FROM THE PRESIDENT ◆

Welcome to Washington, DC, and to the 1992 Annual Meeting of the Medical Library Association! I know you will find the program interesting and stimulating to your professional needs.

The National Program Committee took a somewhat different approach to program planning this year, calling for more direct participation from the member units. Their emphasis on leadership is most important for us at this time as we work to define and strengthen our role as health information professionals. And do choose to make a difference for yourself and for the profession as you attend the helpful meeting sessions!

This MLA meeting witnesses a change in the association's leadership. A search committee worked long and conscientiously this past year to select our new executive director, Carla Funk. I hope you will take the opportunity at this meeting to meet her and to welcome her to MLA. I know you will find her approachable and capable as the leader we need at this time to take the association through the challenging years ahead.

RICHARD A. LYDERS
President

I hope to see many of you at the House on O Street, the site of the 1992 President's Reception. I'm sure you will find this historic mansion of interest, and it will give you an opportunity to meet many of your colleagues, as well as our new executive director and certain dignitaries from the Washington area. In keeping with tradition, the reception funds raised will be given to a project of importance to the membership. This year I choose to direct the funds to the MLA Task Force on Knowledge and Skills. The work of the task force supports a principal goal of the association: to advocate research among health information professionals.

I am pleased that you are with us in Washington; have a successful meeting!

◆ WELCOME FROM THE NPC ◆

The 1992 National Program Committee (NPC) began its first planning session two years ago in Detroit by asking what values should be reflected in our annual meetings. After much discussion, the values agreed upon included participation, responsibility, involvement, empowerment, choice, and diversity. These values became the 1992 theme, "Choose to Make a Difference."

To personify this theme at the opening Plenary Session, the NPC evaluated numerous keynote speakers. After much deliberation, Warren Bennis, Ph.D., was selected as the recipient of the McGovern Award Lectureship for his internationally known work on leadership.

The consensus on values also resulted in a fundamental change in the planning of the 1992 meeting. Three goals emerged. The first goal was to create opportunities for new programs and programming formats to emerge from the membership. The second goal was to encourage diversity and options in the programs. The third goal was to inform the membership of proposed programs early enough to facilitate cooperative planning and to minimize conflicts. To achieve these goals, the NPC created the first program outline with designated flex times. The Call for Papers was changed to the Call for Participation, and members were encouraged to submit their diverse ideas for program content. The NPC then created the first Planning Grid, prominently displayed in the registration area at the 1991 Annual Meeting. Planned activities, such as business meetings, were indicated, and abstracts of all the proposals received through the Call for Participation were also displayed on the grid. Members could view proposed programs and were encouraged to submit additional proposals during the San Francisco meeting.

At the conclusion of the 1991 Annual Meeting, the NPC held a marathon meeting to develop further the 1992 program based on all ideas submitted by the membership. The confluence of these ideas resulted in an exciting and dynamic structure.

PAMELA JAJKO
Chair
1992 National Program Committee

Monday morning opens with four concurrent "Great Debate" sessions. Each session features an invited speaker followed by a political-style debate. The four debates are titled "The Librarian as Leader," "Leading Edge Technology," "Escalating Prices," and "Outcomes and Total Quality Management." These topics are repeated throughout the rest of the program in a variety of formats including contributed papers, poster sessions, panels, workshops, and sharing sessions derived from the more than 100 proposals received by the NPC.

Other new additions to the 1992 Annual Meeting include "Capital Ideas Breakfasts" with invited experts from the Washington area. For the first time at an MLA annual meeting, members will display materials used to promote their libraries and services. The "Late-Breaking News" session provides time for members to share information on projects too new to have been included in the proposal process.

Section programs occur on both Tuesday afternoon and all day Wednesday. Efforts were made to minimize conflicts whenever possible between sections with similar memberships. The result is a dazzling array of programs that both build upon and complement the theme of the meeting.

The 1992 program continues to combine the Welcome Reception and the Opening of the Hall of Exhibits, and has re-introduced the Awards Luncheon and Ceremony. The President's Reception at the House on O Street will be an adventure in exploration, and the Farewell Party with the Capitol Steps will be a rousing finale.

The NPC, with the support of many MLA members, headquarters staff, and exhibitors, is very pleased to offer you this dynamic program. We hope that you will find the diversity exciting and enriching and that you, too, will "Choose to Make a Difference." We welcome you to Washington, DC, and to the 1992 Annual Meeting of the Medical Library Association.

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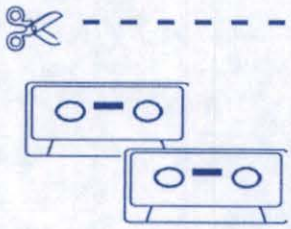

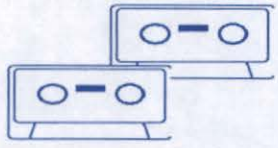

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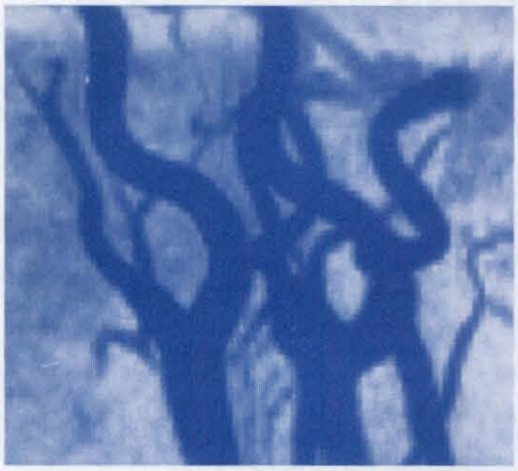

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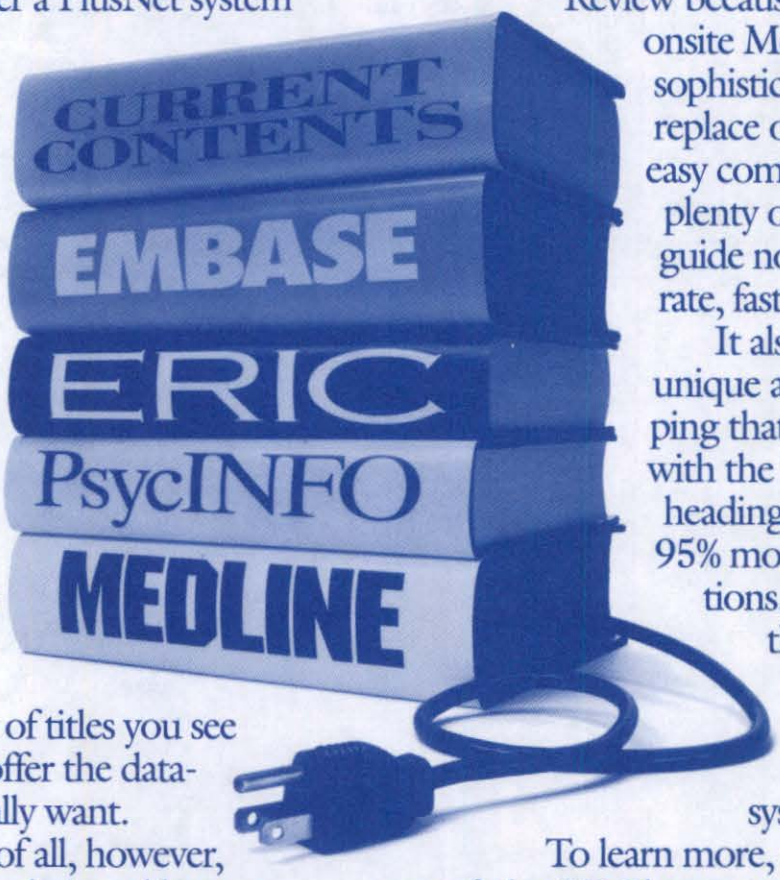

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◆ GENERAL INFORMATION ◆

ACADEMY BOOTH—"CERTIFICATION QUESTIONS?"

The Academy Booth is your place to collect information and ask questions about the Academy of Health Information Professionals. Members of the Credentialing Committee and the Professional Recognition Review Panel will be available Sunday, May 17, through Wednesday, May 20, to answer your questions. Brochures, certification booklets, and forms will be on display. The Academy Booth is located in the registration area on the Lobby level of the Sheraton Washington Hotel.

ACADEMY OF HEALTH INFORMATION PROFESSIONALS

MLA members attending the 1992 Annual Meeting are eligible to receive one contact hour for each day of meeting attendance, up to three meeting days per year. In addition, the academy recognizes contact hours earned by taking continuing education courses and attending symposia.

ACADEMY SHARING AND ROUNDTABLE

Join members of the Credentialing Committee and the Professional Recognition Review Panel to discuss the Academy of Health Information Professionals, MLA's certification program. Committee members will provide an update on recent committee discussions and invite your comments and suggestions on Monday, May 18, 5:30 P.M.–6:30 P.M., in the Baltimore room on the Lobby level.

ANNUAL REPORT

Attendees can obtain copies of the *1991/92 Annual Report* in the registration area. This publication includes full reports by all officials and committees of the association.

BUILDING NETWORKS WITH COLLEAGUE CONNECTION

The Membership Committee is sponsoring the Colleague Connection program for new members and first-time attendees. First-timers can meet peers and build networks with the help of experienced member colleagues; each pair of colleagues sets its own schedule. The deadline for participating was April 15, 1992, but for an "emergency connection" or to help a new colleague, contact Leilani St. Anna or Barbara Slater at the New Member/First-Time Attendee Orientation on Sunday, May 17, 9:00 A.M., in the Sheraton Ballroom.

CHAPTER SHARING ROUNDTABLES AND LUNCHEON

Chapter members are invited to share experiences and expertise informally with members of other chapters on Tuesday, May 19, 11:30 A.M.-1:00 P.M. A box lunch will be available for $20.00. Tickets are available at the Registration Center and must be purchased by NOON, Monday, May 18.

Discussion groups will concentrate on the following specific areas of interest: annual meeting planning, archives, bylaws, chapter chairs and incoming chairs, continuing education, finance and tax exempt status, governmental relations, honors and awards, membership, newsletter editors, planning, research, professional issues, public relations, and state groups.

CHILD CARE

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A collection of unique and interesting newsletters, bookmarks, brochures, and other one-of-a-kind library promotional materials will be on view in the Poster Session area, Sheraton Foyer, on Monday, May 18, 3:30 P.M.–5:00 P.M.

EXHIBIT 1992

The MLA Hall of Exhibits is located in Exhibit Hall A of the Sheraton Washington Hotel. The Hall of Exhibits will open Sunday, May 17, with a gala Welcome Reception and Opening of the Hall of Exhibits from 6:00 P.M. to 8:00 P.M. The sold-out exhibit features companies serving the biomedical information community. Take advantage of this unique opportunity to see the latest in health sciences books and journals, database services, library equipment and supplies, and state-of-the-art computer software and hardware, including CD-ROM products. Reasonably priced lunches will be available on Monday, May 18, and Tuesday, May 19.

Hall of Exhibit Hours

Sunday, May 17, 6:00 P.M.–8:00 P.M.
(Welcome Reception and Opening of the Hall of Exhibits)
Monday, May 18, 10:00 A.M.–5:00 P.M.
Tuesday, May 19, 10:00 A.M.–5:00 P.M.
Wednesday, May 20, 10:00 A.M.–2:00 P.M.

EXHIBIT GUIDE

For your convenience, the "Guide to Exhibits" has been included as part of the *Official Program*. Each exhibitor's name, address, and telephone number (along with a brief description of exhibited items) is listed, beginning on page 53. Use this section to plan your visits to the MLA Hall of Exhibits.

FILM FESTIVAL

This year's film festival (Monday, May 18, Taft room) offers a broad spectrum of topics. Video subjects include preservation of materials, power techniques to use when interviewing for employment, dental and surgical procedures for veterinary and research purposes, and the newly-enacted Americans with Disabilities Act.

"Audience Choice" will allow viewers to choose the videos shown at each session by a majority vote. Drawings for videos donated by vendors will be held at each session. Only those present at each session are eligible to win. Title listings are included with your registration materials, as well as the time and place of the showings.

GUIDE TO LIBRARIES

The Tours/Sightseeing Subcommittee of the Local Assistance Committee has prepared an extensive "Guide to Libraries in the Washington, DC, Metropolitan Area," which can be found with your registration materials. More than 75 academic, association, federal, hospital, and national health-related libraries are listed, along with a few special-interest libraries such as the Folger Shakespeare Library. With a few exceptions, all the libraries listed welcome visitors during the MLA meeting. Please stop by the Hospitality/Information Center for directions or more information.

HANDICAPPED ACCESS

All rooms in the Sheraton Washington are accessible to handicapped individuals. Those requiring special room assistance should notify the MLA Office located in room 8228 on the Lobby level (see "MLA Office," on this page, for hours).

HOSPITALITY/ INFORMATION CENTER

Come to the Hospitality/Information Center located near the MLA Registration Center to meet and greet your friends and colleagues. The Local Assistance Committee will make you feel at home in Washington, DC, and answer your questions about restaurants, shopping, getting around the city, and tourist attractions.

Hospitality Center Hours

Thursday, May 14, 4:00 P.M.–8:00 P.M.
Friday, May 15, 4:00 P.M.–8:00 P.M.
Saturday, May 16, 8:00 A.M.–6:00 P.M.
Sunday, May 17, 8:00 A.M.–6:00 P.M.
Monday, May 18, 8:00 A.M.–6:00 P.M.
Tuesday, May 19, 8:00 A.M.–6:00 P.M.
Wednesday, May 20, 8:00 A.M.–4:00 P.M.

INSTRUCTORS BREAKFAST

Approved instructors of MLA continuing education courses have been invited to the Instructors Breakfast on Monday, May 18, 7:00 A.M.–9:00 A.M. in the Idaho room.

INTERNATIONAL VISITORS

The International Cooperation Section extends a cordial welcome to international visitors and will be pleased to answer any questions regarding the 1992 Annual Meeting. All international visitors are invited to a special orientation session and reception on Sunday, May 17, at 5:00 P.M. in the Virginia Suite.

JOB MARKET

Improve your chances of finding the right job by attending the MLA Job Market! Finding the right position is a job in itself, so why not let the experts help you? On Monday (May 18), Tuesday (May 19), and Wednesday (May 20), experienced MLA members will give short presentations to help you assess or update your skills or prepare for new roles. Each session will include time for questions and answers. No registration is necessary. For further information, check the "Daily Program" or stop by the Placement Service in the Colorado room.

LOST AND FOUND

Please return lost-and-found items to the MLA Office located in room 8228 of the Sheraton Washington Hotel (see "MLA Office," on this page, for hours). For items lost, please check with the office and call the hotel "Lost and Found" at extension 19.

LUNCH AND LEARN

Because they were so successful last year at the San Francisco meeting, vendor educational workshops have been scheduled for Monday, May 18, and Tuesday, May 19, NOON-12:45 P.M. These "Lunch and Learn" workshops allow our exhibitors the opportunity to demonstrate new products and services that are of interest to MLA members. Please see the "Daily Program" for detailed information about each day's sessions. Attractive and inexpensive box lunches will be available in the Hall of Exhibits for you to eat during the workshops.

MEMBER RESOURCE ROOM

For your convenience, typewriters, a photocopier, and an IBM-compatible PC (with a dot-matrix printer) are available for association business in the Member Resource Room. Sign-up sheets for word-processing equipment will be available, but you must provide your own 5-1/4" diskettes. The Member Resource Room is located in rooms 8224 and 8225.

Member Resource Room Hours

Saturday, May 16, 8:30 A.M.–NOON; 1:00 P.M.–5:30 P.M.
Sunday, May 17, 8:30 A.M.–NOON; 1:00 P.M.–5:30 P.M.
Monday, May 18, 8:30 A.M.–NOON; 1:00 P.M.–5:30 P.M.
Tuesday, May 19, 8:30 A.M.–NOON; 1:00 P.M.–5:30 P.M.
Wednesday, May 20, 8:30 A.M.–NOON; 1:00 P.M.–5:30 P.M.

MESSAGE CENTER

The attendee message center and bulletin boards for all MLA official announcements are located in the MLA registration area on the Lobby level.

MLA BOOTH— "INFORMATION CENTRAL"

The MLA Booth is your source for information on MLA programs, services, and products. Member volunteers and headquarters staff are available to answer your questions as you browse through MLA brochures, publications, and promotional materials for your library. You can purchase or order all the display items or titles at the booth through the Registration Center. The MLA Booth is located in the registration area on the Lobby level.

MLA Booth Hours

Saturday, May 16, 10:00 A.M.–5:00 P.M.
Sunday, May 17, 10:00 A.M.–1:30 P.M.; 3:00 P.M. –5:00 P.M.
Monday, May 18, 10:00 A.M.–1:00 P.M. 3:00 P.M.–5:00 P.M.
Tuesday, May 19, 11:00 A.M.–5:00 P.M.
Wednesday, May 20, 10:00 A.M.–5:00 P.M.

MLA GARDEN CAFE

Located in the Hall of Exhibits, the MLA Garden Cafe will offer inexpensive and appetizing lunches from 11:45 A.M. to 2:00 P.M., on Monday, May 18, and Tuesday, May 19. All coffee breaks will also be served in the MLA Garden Cafe.

MLA OFFICE

The MLA Office is located in room 8228. You may leave messages for members of the Board of Directors and MLA staff there, or stop by if you have questions about any meetings or activities.

MLA Office Hours

Wednesday, May 13, 7:30 A.M.–NOON; 1:00 P.M.–5:30 P.M.
Thursday, May 14, 7:30 A.M.–NOON; 1:00 P.M.–5:30 P.M.
Friday, May 15, 7:30 A.M.–NOON; 1:00 A.M.–5:30 P.M.
Saturday, May 16, 7:30 A.M.–NOON; 1:00 A.M.–5:30 P.M.
Sunday, May 17, 7:00 A.M.–NOON; 1:00 P.M.–6:00 P.M.
Monday, May 18, 7:00 A.M.–NOON; 1:00 P.M.–6:00 P.M.
Tuesday, May 19, 7:00 A.M.–NOON; 1:00 P.M.–6:00 P.M.
Wednesday, May 20, 7:30 A.M.–NOON; 1:00 P.M.–5:30 P.M.
Thursday, May 21, 7:30 A.M.–NOON; 1:00 P.M.–5:30 P.M.

MORNING WALKS WITH MAJORS

Put on your walking shoes for a ground level tour of two of the district's lovelier sections on Monday, May 18, and Tuesday, May 19, 6:30 A.M.–7:30 A.M. Each walk will include a stop for refreshments. Sponsored by Majors Scientific Books and Subscriptions, Inc. Meet in the main lobby at the front entrance to the Sheraton. Don't be late!

NEW MEMBERS/ FIRST-TIME ATTENDEES

MLA's Membership Committee extends a warm welcome to all new members and first-time attendees! As your first meeting can be overwhelming, the Membership Committee urges you to attend a special morning reception and orientation on Sunday, May 17, at 9:00 A.M. in the Sheraton Ballroom.

NEWSLETTER

The 1992 Annual Meeting newsletter, *Washington Wire*, will be published on Sunday, Monday, Tuesday, and Wednesday. Attendees are invited to submit items for publication. The Publicity/Promotion Subcommittee of the 1992 Local Area Assistance Committee will pick up *Washington Wire* articles at 3:00 P.M. on May 16, 17, 18, and 19 at the Hospitality/Information Center, the MLA Office, and room 8210.

1993 ANNUAL MEETING

The 93d Annual Meeting of the Medical Library Association will be held in Chicago, IL, Sunday, May 16, through Wednesday, May 19, 1993, at the Palmer House. A call for participation is included with your registration materials.

The 1993 NPC invites you to stop by its booth in the registration area for additional information.

OPEN FORUM: DUES STRUCTURE

Discuss the proposed new dues structure and associated benefits, rights and privileges, and dues rates. Your comments and questions are welcome at this session on Monday, May 18, 6:00 P.M.–7:30 P.M., in the Virginia Suite. The open forum is sponsored by the Membership Committee, and members of the MLA Board of Directors and headquarters staff will attend.

OPEN FORUM: MLA CODE OF ETHICS

At this open forum on Tuesday, May 19, 10:30 A.M.-11:30 A.M., in the Sheraton Ballroom, members will have the opportunity to comment on MLA's draft code of ethics. Members will vote on whether to adopt the code of ethics at Business Session II.

OPEN FORUM: PLATFORM FOR CHANGE

Members will have an opportunity to discuss and clarify the contents of MLA's educational policy statement, *Platform for Change*, with the Task Force on Knowledge and Skills. There will be a focus on implementing the policies for quality education of health sciences librarians. All are invited to this session on Tuesday, May 19, 10:30 A.M.–11:30 A.M., in the Kansas room.

PEOPLE POWER

Here in the seat of government, meeting attendees will have a unique opportunity to "tell it to Congress." Join a team visit to key legislators who affect health sciences library legislation on Monday, May 18, and Tuesday, May 19, 1:30 P.M.–6:00 P.M. Sign up at the Governmental Relations Committee table in the registration area. While you are in town, be sure to contact your own government representatives regarding issues of importance to you and to the health sciences information profession.

PLACEMENT SERVICE—"JUMP START YOUR JOB SEARCH"

Seeking a new job or a change of scenery? Looking for the perfect employee to fill your position? Let the Placement Service help you! The Placement Service will provide a friendly meeting place for both job seekers and employers. Located in the Colorado room on the Lobby level, the Placement Service will be open the following hours:

Placement Service Orientation

Sunday, May 17, 9:00 A.M.–10:00 A.M.

Placement Service Hours

Saturday, May 16, 1:00 P.M.–4:00 P.M.
Sunday, May 17, 10:00 A.M.–4:00 P.M.
Monday, May 18, 8:00 A.M.–5:00 P.M.
Tuesday, May 19, 8:00 A.M.–5:00 P.M.
Wednesday, May 20, 8:00 A.M.–4:00 P.M.

Individual job seekers and employers may submit late applications to the Placement Service through Monday, May 18. Photocopying facilities are available; catalogs of Job Opportunities and Applicant Availability forms will be on sale beginning Wednesday, May 20.

POSTCONFERENCE SYMPOSIUM

The Medical Informatics Section, the Educational Media and Technologies Section, and MLA will cosponsor a symposium, titled "Electronic Imaging and Interactive Video," on Thursday, May 21, from 9:00 A.M. to 5:00 P.M. in the Lister Hill Auditorium at the National Library of Medicine. For on-site registration information or directions to Lister Hill, please inquire at the Registration Center.

PUBLIC TRANSPORATION

The easiest way to get around the Washington, DC, area is by Metro. Metro staff will be on hand in the registration area on Saturday and Sunday, May 15 and 16, 9:00 A.M.–5:00 P.M., and Monday through Wednesday, May 17 through May 20, 11:00 A.M.–2:00 P.M. Please visit their desk for maps, instructions, and $5.00 fare cards that can be reused for fares up to the amount of $5.00.

REGISTRATION CENTER

Programs, badges, and other conference materials will be distributed at the Registration Center, on the Lobby level of the Sheraton Washington. On-site registration will take place at the Registration Center.

Registration Center Hours

Thursday, May 14, 4:00 P.M.–8:00 P.M.
Friday, May 15, 7:00 A.M.–6:00 P.M.
Saturday, May 16, 7:00 A.M.–6:00 P.M.
Sunday, May 17, 7:00 A.M.–4:00 P.M.
Monday, May 18, 8:30 A.M.–5:00 P.M.
Tuesday, May 19, 9:00 A.M.–5:00 P.M.
Wednesday, May 20, 9:00 A.M.–4:00 P.M.
Thursday, May 21, 7:00 A.M.–10:00 A.M.

RIBBONS, BADGES, AND BUTTONS

Color-coded badges and ribbons are provided to assist you in identifying the roles and responsibilities of each attendee. Asterisk buttons indicate an attendee's membership and level in the Academy of Health Information Professionals.

Ribbons

Brown: Presenters
Dark blue: Chapter Council representatives and alternates, chapter chairs
Light blue: Committee chairs, committee members, and representatives to allied organizations
Gold: Membership Committee
Dark green: Section Council representatives and alternates, section chairs
Light green: First-time attendees, new members, guests
Lavender: International Cooperation Section members, international visitors
Maroon: Fellows, honorary members
Orange: MLA staff
Pink: Local Assistance Committee members, Hospitality Committee members, volunteers
Purple: Exhibitors
Rose: National Program Committee members
Silver: Past presidents
Yellow: MLA-approved instructors, speakers, moderators
White: Officers, Board of Directors, appointed officers

Badges

Blue: Regular, emeritus, fellow, honorary, and life individual members
Yellow: Institutional representatives and one of the above categories
Pink: Voting institutional representatives
White: Associate members, exhibitors, guests, MLA staff, nonmembers, student members, sustaining members, and volunteers

SAFETY TIPS

To fully enjoy your stay in Washington, DC, keep the following common-sense tips in mind:

Remember that you are a visitor to the city. Do not travel in unknown, unpopulated areas.

Do not wear your registration badge outside the convention center. It identifies you as a visitor.

Handbags should be carried securely; wallets should be carried inside jacket pockets.

Do not carry excess cash. The conference hotel provides a limited number of safety deposit boxes. Use them for storing extra cash, jewelry, airline tickets, and any other valuables.

Emergencies

If an emergency occurs while you are in the conference hotel, dial 30 for hotel security. State your location and the type of emergency help you need. After you have requested emergency help, notify the MLA Office, room 8228. If you are outside the hotel and a medical, fire, or police emergency occurs, dial "911" for assistance.

Fire Precautions

All conference hotel facilities meet local fire regulation standards. However, to be prepared in case of a fire emergency, remember these important measures:

When first entering your room, locate the emergency exits on your floor. Count the number of doorways from your room to the fire exit. Keep your key in the same place whenever you are in the room.

In the event of a fire in your room, get out, and immediately report the fire. If the fire is not located in your room, check to see if the door is hot before opening. If the door is cool, take your key, open the door slowly, and proceed to the nearest exit (crawl if the hall is filled with heavy smoke). Do not use elevators. If the door is hot, do not leave your room. Seal the cracks with wet towels, phone for help, and wait.

SCHOLARSHIP BOOTH

Support the MLA scholarship program with a donation to the Scholarship Fund, and receive a souvenir from this year's meeting. Cash, checks, Visa, and MasterCard are accepted. The Scholarship Booth is located in the registration area and is open from 9:00 A.M. to 4:00 P.M., Sunday, May 17, to Wednesday, May 20.

SECTION BREAKFASTS

The following MLA sections are offering special breakfast meetings. You may purchase tickets for these events at the Registration Center.

Chiropractic Libraries Section

The Chiropractic Libraries Section business meeting will be preceded by a continental breakfast at 7:30 A.M., Wednesday, May 20. Following the business meeting, Steve Wolk, Ph.D., Director of Research at the Foundation for Chiropractic Education and Research, will discuss the recent RAND report on manipulation therapy and its impact on health care providers. Tickets must be purchased by NOON, Tuesday, May 19.

Hospital Libraries Section

A special continental breakfast will be served on Wednesday, May 20, from 7:00 A.M. to 8:00 A.M., followed by the section business meeting from 8:00 A.M. to 9:30 A.M. Three unique and varied Hospital Libraries Section-sponsored events follow the business meeting, beginning at 10:00 A.M., 1:30 P.M., and 3:45 P.M. Tickets for the breakfast must be purchased by NOON, Tuesday, May 19.

SOCIAL EVENTS

Awards Luncheon and Ceremony

Your friends and colleagues will be honored by your presence at the 1992 Awards Luncheon and Ceremony, Wednesday, May 20. Lunch will be served at 11:30 A.M., and the Awards Ceremony will begin at 12:15 P.M. in the Sheraton Ballroom South. A ticket to this event is included in the inclusive conference registration. Tickets are also available at the Registration Center until NOON, Tuesday, May 19, for $25.00 each. General seating will be available for any meeting attendees who wish to attend the Awards Ceremony but not the luncheon.

Capital Ideas Breakfasts

Participate in three exciting continental breakfasts (Monday, May 18; Tuesday, May 19; and Wednesday, May 20, 7:30 A.M.–8:30 P.M.), each featuring Washington representatives offering unique perspectives on scientific integrity, health issues of race and gender, or behavioral medicine. Please see the "Daily Program" for topics at each breakfast. Tickets are available for $12.50 in the Registration Center and must be purchased by NOON of the preceding day for each breakfast.

Farewell Party

What better way to end our meeting in the nation's capital than with the Capitol Steps, the funniest group in Washington, DC, next to Congress! Enjoy an array of desserts and international coffees, a show that is known nationwide, and the last chance to say goodbye to your friends and colleagues on Wednesday, May 20, at 8:30 P.M. A ticket to this event is included in the inclusive conference registration. Tickets for this event are available at the Registration Center for $40.00 and must be purchased by NOON, Tuesday, May 19.

Pig Roast

Rustle up some grub and see the latest medical information technology at the Friends of the National Library of Medicine's (NLM) authentic, spit-roasted, whole pig and chicken barbecue. Join your colleagues under the big tent behind Lister Hill Center (next to NLM) on Monday, May 18, 7:00 P.M.–9:30 P.M. Tickets are available at the MLA Registration Center and must be purchased by NOON, Monday, May 18.

President's Reception

Tuesday, May 19, 6:30 P.M.-8:00 P.M. is your opportunity to support MLA's efforts to advocate the health information professional and, at the same time, enjoy a fascinating evening. The famous House on O Street is three connecting mansions, allowing you to journey gracefully from 19th-century architecture to 20th-century design. You will be able to see 21 unique bathrooms, 8 imaginative kitchens, 14 fireplaces, an authentic Tiffany window, and the room and actual table where Teddy Roosevelt played snooker. Experience this display of interiors ranging from Victorian to art deco to avante garde...and everything is for sale! Meet at the front desk in the Lobby for transportation to the reception. Buses will shuttle to and from the reception beginning at 6:00 P.M., departing from the entrance across from the hotel registration desk. Tickets are still available at the Registration Center and must be purchased by NOON, Monday, May 18. Your donation of $35.00 is tax deductible to the extent allowed by law.

Welcome Reception and Opening of the Hall of Exhibits

Members, guests, and friends of MLA will gather at 5:45 P.M. on Sunday, May 17, in the Sheraton Ballroom North for our own nonpolitical convention. Join with "delegates" from your chapter, or just come to join in the fun during this political year in the nation's capital. Be welcomed with great fanfare and march with all the delegates into the Hall of Exhibits. This is your opportunity to see many old friends, make some new ones, and see what's new in health sciences information. A ticket to this event is included in the inclusive conference registration or conference-only registration. Additional tickets to the Welcome Reception and Opening of the Hall of Exhibits are available at the Registration Center for $20.00 each. Tickets must be purchased by NOON, Sunday, May 17.

TAPED SESSIONS

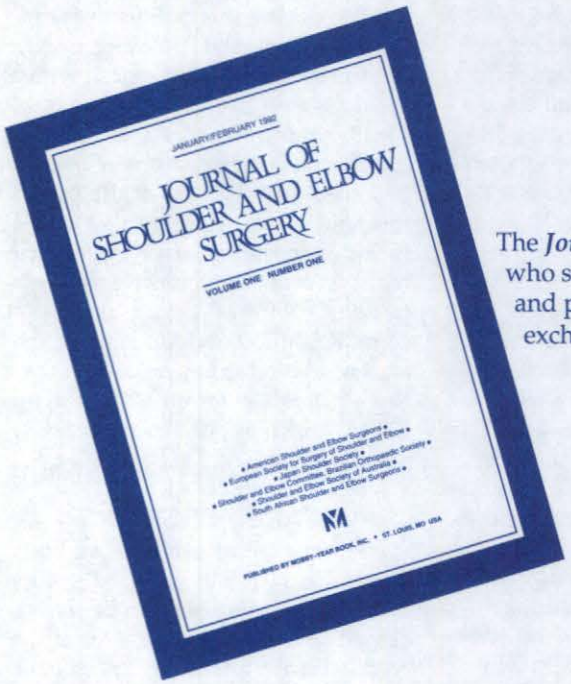
A complete list of available audiotapes is included in your registration materials. Audiotapes can be purchased in the registration area at the Audio Transcripts Desk. Prices have been reduced to allow more people to purchase tapes.

TICKETS

Purchase your tickets for special events at the Registration Center during regular hours. Tickets for the Welcome Reception and Opening of the Hall of Exhibits, the Awards Luncheon and Ceremony, and the Farewell Party are included in the inclusive-conference fee. The conference-only fee includes one ticket to the Welcome Reception. If you have any questions about special events or tickets, please see the "Social Events" listing on page 12 or inquire at the Registration Center.

INTRODUCING . . .

JOURNAL OF SHOULDER AND ELBOW SURGERY



Official Publication of
American Shoulder and Elbow Surgeons
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Department of Orthopaedic Surgery
Mayo Clinic
Rochester, Minnesota

Premier Issue: JANUARY/FEBRUARY 1992

Frequency: BIMONTHLY

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UROLOGIC NURSING

Urologic Nursing serves a diverse group of nurses, technicians, and allied health care professionals, providing practical information on a wide range of urologic diseases and disorders. This bimonthly, peer-reviewed journal is the official journal of the American Urological Association Allied.

Urologic Nursing is indexed or abstracted in the *Cumulative Index to Nursing & Allied Health Literature*, the *International Nursing Index*, and *Nursing Abstracts*.

1992 Institutional Subscription Rates:
$45.00 U.S.A $53.15 Canada $50.00 Int'l

GERIATRIC NURSING

This peer-reviewed journal is an indispensable source of clinical information and management advice relevant to the care of older adults. Each bimonthly issue provides the practical and authoritative advice nurses and nurse managers need to deal with the many challenges of today's geriatric care.

As a testament to its authority, ***Geriatric Nursing*** is recommended for initial purchase in the most current edition of the Brandon-Hill study, *Selected List of Nursing Books and Journals* (March/April 1990). In addition, the Journal is included in *Index Medicus*, the *International Nursing Index*, and the *Cumulative Index to Nursing & Allied Health Literature*.

1992 Institutional Subscription Rates:
$33.00 U.S.A. $42.31 Canada $46.00 Int'l

NURSING OUTLOOK

Nursing Outlook is a bimonthly journal written for the nursing profession's most astute educators, policy makers, administrators, executives, and practitioners. As the official journal of the American Academy of Nursing, ***Nursing Outlook*** examines current issues and trends in nursing, education, and research, offering progressive solutions to the problems facing the profession.

Nursing Outlook is recommended for initial purchase in the most current edition of the Brandon-Hill study, *Selected List of Nursing Books and Journals* (March/April 1990). In addition, the Journal is included in *Index Medicus*, the *International Nursing Index*, the *Cumulative Index to Nursing & Allied Health Literature*, and many other leading indexing and abstracting services.

1992 Institutional Subscription Rates:
$35.00 U.S.A. $47.45 U.S.A. $51.00 Int'l

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◆ CONTINUING EDUCATION ◆

All continuing education courses will be held in the Sheraton Washington Hotel. To register on-site, inquire at the MLA Registration Center. Room assignments are listed below. Instructors' names are in parentheses.

FRIDAY, MAY 15

CE 701 Development and Assessment of Health Sciences Library Collections (Richards), 8:00 A.M.–5:00 P.M., Annapolis

NP 200 Alcohol and Other Drugs: Information Resources (Mitchell), 8:00 A.M.–5:00 P.M., Thomas Paine

Cancelled

NP 201 Biotechnology Information: The NLM Databases (Staff), 8:00 A.M.–5:00 P.M., Richmond

NP 202 Descriptive Statistical Techniques for Librarians: Tools for Effective Decision Making in the Library (Hafner), 8:00 A.M.–5:00 P.M., Arlington

NP 203 Effective Leadership in Complex Organizations (Bushman), 8:00 A.M.–5:00 P.M. (day 1), Nathan Hale

NP 204 Topics in Medical Informatics (Frisse, Fuller, Panko, and Roderer), 8:00 A.M.–5:00 P.M. (day 1), Dover

NP 205 The Library Manager as Leader (St. Clair), 8:00 A.M.–5:00 P.M., Alexandria

NP 206 Linguistic Approaches to Thesauri (McCray), 8:00 A.M.–5:00 P.M., Ethan Allen

NP 207 Management of Information Technologies (Griffiths), 8:00 A.M.–5:00 P.M., Colorado

NP 208 Panning for Gold: How to Apply Research (McKibbon and Walker-Dilks), 8:00 A.M.–5:00 P.M., Baltimore

NP 209A Learning the PDQ Database: The National Cancer Institute's Full-Text Cancer Treatment Database (Staff), 8:00 A.M.–NOON, Wilmington

NP 209B Learning the PDQ Database: Advanced Session (Staff), 1:00 P.M.–5:00 P.M., Wilmington

NP 210A Continuous Quality Improvement and the Hospital Library (Jones), 8:00 A.M.–5:00 P.M., Rockville

SATURDAY, MAY 16

CE 06 Writing for Publication: The Professional Journal Article (Eakin and Walter), 8:00 A.M.–5:00 P.M., Wisconsin

CE 005 Mesh for Searchers (McKinin and Reid), 8:00 A.M.–5:00 P.M., Idaho

CE 501 Research Methods for Health Sciences Librarians (Marshall), 8:00 A.M.–5:00 P.M., Richmond

CE 603 Introduction to Financial Management for Health Sciences Libraries (Byrd), 8:00 A.M.–5:00 P.M., Wilmington

CE 801 MeSH and NLM Classification for Catalogers (Wineburgh-Freed), 8:00 A.M.–5:00 P.M., Annapolis

CE 902 Drug and Pharmaceutical Information Resources (Snow), 8:00 A.M.–5:00 P.M., Baltimore

CE 906 Information Resources in Clinical Medicine (Wood), 8:00 A.M.–5:00 P.M., Arlington

CE 911 Nursing Information Access: Library Service for the Nursing Profession (Allen), 8:00 A.M.–5:00 P.M., Kansas

NP 203 Effective Leadership in Complex Organizations (Bushman), 8:00 A.M.–5:00 P.M. (day 2), Nathan Hale

NP 204 Topics in Medical Informatics (Frisse, Fuller, Panko, and Roderer), 8:00 A.M.–5:00 P.M., (day 2) Dover

NP 210 Continuous Quality Improvement and the Hospital Library (Jones), 8:00 A.M.–5:00 P.M., Rockville

NP 211 Total Quality Management (TQM) for Libraries (Buchanan), 8:00 A.M.–5:00 P.M., Alexandria

SUNDAY, MAY 17

NP 909 TOXNET: Computerized Information on Hazardous Chemicals (Wexler), 8:00 A.M.–NOON, Annapolis

NP 212 Copyright and Electronic Media (Bailey), 8:00 A.M.–NOON, Rockville

NP 213 GRATEFUL MED: Train the Trainers (Czujak), 8:00 A.M.–NOON, Arlington

NP 214 Group Process Skills (Bushman), 8:00 A.M.–NOON, Dover

NP 215 How to Search PsycINFO (DeLuca), 8:00 A.M.–NOON, Baltimore

NP 217 Ethical Issues in Biomedical Publishing (Scheetz), 8:00 A.M.–NOON, Alexandria

NP 218 Communicating Effectively as a Leader (Badrick), 8:00 A.M.–NOON, Richmond

NP 219 Executing Simple Repairs and Protective Enclosures (Milevski), 8:00 A.M.–NOON, Wilmington

TUESDAY, MAY 19

NP 220 Managing Personalities in the Library (Moore), 1:00 P.M.–5:00 P.M., Wisconsin

When you have:

Books/serials
Patient information
Clinical/lab data
Information/referral files
Photos/films/tapes
Vital Records
Images

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Order/route/circulate
Query/search/find
Display/publish

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◆ DAILY PROGRAM ◆

WEDNESDAY, MAY 13

8:00 A.M.–NOON
Board of Directors Orientation
Congressional

1:00 P.M.–5:00 P.M.
Strategic Planning
Congressional

THURSDAY, MAY 14

9:00 A.M.–NOON
Strategic Planning
Congressional

1:00 P.M.–5:00 P.M.
Finance Committee
Congressional

FRIDAY, MAY 15

8:00 A.M.–9:00 P.M.
Committee on Committees
Embassy

8:00 A.M.–5:00 P.M.
1994 National Program Committee
8223

Continuing Education Courses
(See page 16 for room assignments.)

9:00 A.M.–5:00 P.M.
Board of Directors
Congressional

SATURDAY, MAY 16

8:00 A.M.–NOON
1994 National Program Committee
Lanai Suite 148

8:00 A.M.–5:00 P.M.
Continuing Education Courses
(See page 16 for room assignments.)

Books Panel
Lanai Suite 152

Credentialing Committee
8222

Continuing Education Committee
8221

10:00 A.M.–4:00 P.M.
Nominating Committee
8220

1:00 P.M.–4:00 P.M.
Placement Service
Colorado

1:00 P.M.–5:00 P.M.
1993 National Program Committee
Lanai Suite 148

2:00 P.M.–6:00 P.M.
1995 National Program Committee
8223

3:00 P.M.–5:00 P.M.
1992 National Program Committee
Lanai Suite 156

Annual Meeting Task Force
Lanai Suite 160

6:00 P.M.–10:00 P.M.
Association of Academic Health Sciences Library Directors Dinner
Congressional

Hospital Library Section Executive Committee
Kansas

SUNDAY, MAY 17

7:00 A.M.–9:00 A.M.
Awards Committee
Lanai Suite 144

Credentialing Committee
8222

Status and Economic Interests of Health Sciences Library Personnel Committee
8221

Publications Committee
Lanai Suite 148

7:30 A.M.–NOON
Association of Academic Health Sciences Library Directors Breakfast
8211

8:00 A.M.–9:00 A.M.
Membership Committee
Sheraton Ballroom South

8:00 A.M.–11:00 A.M.
Section Council
Wisconsin

Chapter Council
Kansas

8:00 A.M.–NOON
Continuing Education Courses
(See page 16 for room assignments.)

9:00 A.M.–10:00 A.M.
Placement Service Orientation
Colorado

Corporate Advisory Committee
Congressional

9:00 A.M.–10:30 A.M.
New Member/First-time Attendee Morning Reception and Orientation
Sheraton Ballroom South

9:00 A.M.–11:00 A.M.
***Bulletin* Consulting Editors Panel**
Sheraton Ballroom North

Continuing Education Chapter/ Section Support Subcommittee
8216

Continuing Education Opportunity Review Subcommittee
8215

Governmental Relations Committee
Thomas Paine

Grants and Scholarship Committee
Ethan Allen

Hospital Libraries Committee
8219

Oral History Committee
Idaho

9:00 A.M.–NOON
Continuing Education Instructional Development Subcommittee
8214

10:00 A.M.–4:00 P.M.
Placement Service
Colorado

11:30 A.M.–1:00 P.M.
New Leaders Brunch/Orientation
Washington Ballroom

Section Council Luncheon and Meeting
Idaho

1:30 P.M.–2:15 P.M.
Welcome to the Annual Meeting
Sheraton Ballroom

Welcome from the President of the Medical Library Association
Richard A. Lyders, President, Medical Library Association, and Executive Director, Houston Academy of Medicine–Texas Medical Center Library

Welcome from the 1992 National Program Committee
Pamela Jajko, Chair, 1992 National Program Committee, and Manager, Corporate Library, Syntex (USA), Inc., Palo Alto, CA

Highlights of the 1992 Annual Meeting
Elaine Russo Martin, Associate Chair, 1992 National Program Committee, and Associate Director for Educational, Clinical and Research Services, Health Sciences Library and Information Center, University of Washington, Seattle

Welcome from the 1992 Local Assistance Committee
Laurie L. Thompson, Chair, 1992 Local Assistance Committee, and Associate Director, Library Operations, The George Washington University, Washington, DC

2:15 P.M.–2:30 P.M.
Distinguished Public Service Award Presentation to Senator Al Gore, Carthage, TN

2:30 P.M.–3:00 P.M.
Presidential Address

3:00 P.M.–3:30 P.M.
Break

3:30 P.M.–4:30 P.M.
Plenary Session I
Sheraton Ballroom

John P. McGovern Award Lecture
"Leadership—Choose to Make a Difference"

Moderator:
Pamela Jajko, Manager, Corporate Library, Syntex (USA), Inc., Palo Alto, CA

Keynote Speaker:
Warren Bennis, Ph.D., University Professor and Distinguished Professor, Business Administration, University of Southern California, Los Angeles

Sponsored by The Faxon Company, Majors Scientific Books and Subscriptions, Inc., and PaperChase

John P. McGovern Award Presentation

5:00 P.M.–6:00 P.M.
International Visitors Reception
Virginia Suite

5:45 P.M.
Assemble for the Welcome Reception and Opening of the Hall of Exhibits
Sheraton Ballroom North

6:00 P.M.–8:00 P.M.
Welcome Reception and Opening of the Hall of Exhibits
Exhibit Hall A

MONDAY, MAY 18

6:30 A.M.–7:30 A.M.
Morning Walk

7:00 A.M.–8:00 A.M.
Library Research Executive Committee Breakfast
8211

7:00 A.M.–9:00 A.M.
Continuing Education Instructors Breakfast
Idaho

Section Business Meetings

Educational Media and Technologies
Wisconsin

Mental Health Librarians
Johnson

Public Services
Dover

Research Libraries
8219

Technical Services
Sheraton Ballroom North

7:30 A.M.–8:30 A.M.
Capital Ideas Breakfast 1
Sheraton Ballroom North

Moderator:
Suzanne F. Grefsheim, Head, Alfred Taubman Medical Library, and Coordinator, Health Sciences Libraries, University of Michigan, Ann Arbor

Speaker:
"Scientific Misconduct and Fraud"
Alan Price, Ph.D., Assistant Director, Office of Scientific Integrity, National Institutes of Health, Bethesda, MD

8:00 A.M.–9:00 A.M.
Section Business Meetings

Cancer Librarians
Lanai Suite 144

Library Research
Vermont

Nursing and Allied Health Resources
Eisenhower

8:00 A.M.–5:00 P.M.
Placement Service
Colorado

9:00 A.M.–11:30 A.M.
Four Concurrent Sessions

Great Debate 1:
The Librarian as Leader
Washington Ballroom

Debate Statement:
Librarians should be CIOs (Chief Information Officers).

Moderator:
Pamela Jajko, Manager, Corporate Library, Syntex (USA), Inc., Palo Alto, CA

Keynote Speaker:
Nancy Lorenzi, Ph.D., Associate Senior Vice-President, University of Cincinnati Medical Center, OH

Debaters:
Robert M. Braude, Ph.D., Frances and John Loeb Librarian and Assistant Dean for Information Resources, Samuel J. Wood Library/C. V. Starr Biomedical Information Center, Cornell University Medical College, New York, NY

J. Robert Beck, M.D., Director of the Biomedical Information Communication Center, Oregon Health Sciences University, Portland

Panelists:
Marion Ball, Vice-President of Information Services, University of Maryland at Baltimore

Richard E. Lucier, University Librarian and Assistant Vice-Chancellor for Academic Information Management, University of California-San Francisco

Linda Watson, Director, Claude Moore Health Sciences Library, University of Virginia Health Sciences Center, Charlottesville

Sponsored by Data Trek, Inc., and Matthews Medical and Scientific Books, Inc.

Great Debate 2:
Library Technologies
Virginia

Debate Statement:
Electronic access is replacing ownership; the book is dead.

Moderator:
Elaine Russo Martin, Associate Director, Education, Clinical and Research Services, Health Sciences Library and Information Center, University of Washington, Seattle

Keynote Speaker:
Walter B. Panko, Ph.D., Director, Information Technology and Networking, and Assistant Dean for Information Technology, University of Michigan Medical Center, Ann Arbor

Debaters:
Paul Evan Peters, Director, Coalition for Networked Information, Washington, DC

Lucretia W. McClure, Director, Edward G. Miner Library, University of Rochester School of Medicine and Dentistry, NY

Panelists:
Karen Butter, Director of Information Resources and Services, Library and Center for Knowledge Management, University of California–San Francisco

Debra S. Ketchell, Associate Director for Resource Management and Systems Development, Health Sciences Library and Information Center, University of Washington, Seattle

Mary Ellen Lemon, IAIMS Project Manager, Health Sciences Library and Information Center, University of Washington, Seattle

Sponsored by CD Plus, Inc., and Hospital Libraries Section

Great Debate 3:
Escalating Prices
Delaware

Debate Statement:
Electronic publishing will result in lower journal prices.

Moderator:
Suzanne F. Grefsheim, Head, Alfred Taubman Medical Library, and Coordinator, Health Sciences Libraries, University of Michigan, Ann Arbor

Keynote speaker:
Ann Okerson, Director, Office of Scientific and Academic Publishing, Association of Research Libraries, Washington, DC

Debaters:
Paul Metz, Principal Bibliographer, Virginia Polytechnic Institute and State University, Blacksburg

Peter Stangl, Director, Lane Medical Library, Stanford University, CA

Panelists:
Dianne McCutcheon, Assistant Head, Serial Records Section, National Library of Medicine, Bethesda, MD

John Tagler, Director of Corporate Communication, Elsevier Science Publishing Company, New York, NY

Dalia Kleinmuntz, Director, Webster Library, Evanston Hospital, IL

Sponsored by EBSCO Subscription Services and Technical Services Section

Great Debate 4:
Outcomes and Total Quality Management
Maryland

Debate Statement:
Librarians should be key players in total quality management by evaluating the information process and measuring its impact.

Moderator:
Bernie Todd Smith, Library Director and Director of Circuit Librarian Program, Rochester General Hospital, NY

Keynote Speaker:
Joanne G. Marshall, Ph.D., Assistant Professor, Faculty of Library and Information Science, University of Toronto, Ontario, Canada

Debaters:
Jacqueline D. Doyle, Director of Health Sciences Library, Microcomputer Resources Center, and Audiovisual Resources, Good Samaritan Regional Medical Center, Phoenix, AZ

Holly Shipp Buchanan, Information Management Consultant, Louisville, KY

Panelists:
Trudy Gardner, Ph.D., Assistant Dean for Educational Resources, Library of Rush University, Rush-Presbyterian-St. Luke's Medical Center, Chicago, IL

Kay Wellik, Director of Medical Library, St. Joseph's Hospital and Medical Center, Phoenix, AZ

Joanne Kennedy, Director of Health Sciences Library, St. John's Regional Medical Center, Oxnard, CA

Sponsored by Login Brothers Book Company and Readmore, Inc.

9:30 A.M.–10:30 A.M.
Film Festival
Taft

10:00 A.M.–10:30 A.M.
Coffee Break
Exhibit Hall A

10:00 A.M.–5:00 P.M.
Hall of Exhibits Open
Exhibit Hall A
(See "Guide to Exhibits," pp. 51–60)

11:00 A.M.–NOON
MLA Job Market
8221

"Selecting High Quality Librarians"
Charlene LaGrange, Schaffer Library of the Health Sciences, Albany Medical Center, NY

"Expanded Settings for the Profession: Private Industry"
June H. Fulton, Medical Documentation Services, Institute for Scientific Information, Philadelphia, PA

Film Festival
Taft

11:30 A.M.–1:30 P.M.
Lunch in the MLA Garden Cafe
Exhibit Hall A

NOON–12:45 P.M.
Lunch and Learn

British Medical Journal
Wilmington
In the 1991 *BMJ* Lunch and Learn session at the San Francisco meeting, there was a fully open discussion on a wide range of subjects of interest to both librarians and publishers: document delivery, ILL, pricing, exchange rates, personal/institutional rate structures. Help one publisher plan for the future by attending our 1992 session. Lunch will be provided.

BRS Colleague
Richmond
Supporting Colleague from the Library. Come and learn how to support Colleague in your library. We will discuss training and the tools available to you, and how you can use them to maintain an active role in the literature searching process.

BRS Search Service
Arlington
Perfecting Searching through Utilization of Controlled Vocabulary. During this session, we will discuss ways to narrow and define searching results through the use of various online search features and databases. Discussion of the producer's index terms and database structure will enhance the searcher's ability to deliver relevant bibliographies to the patron.

CD Plus
Annapolis
Mark Nelson, president of CD Plus, will be demonstrating the CD Plus 3.0 software for searching MEDLINE and other biomedical databases on CD-ROM and in multi-user networks. Version 3.0 includes many new and exciting features, including a powerful, Windows-based interface that integrates text and graphics for bibliographic and full-text retrieval. Version 3.0 also includes new search capabilities, such as multifile search, local journal holding limits, and full file search capability.

CINAHL Information Systems
Baltimore
Learn about the new CINAHL database developments regarding research, quality filtering, and training. Bring your lunch. Complimentary drinks will be served.

Compact Cambridge
Rockville
Have lunch on us and then find out more about the latest products and developments from Compact Cambridge: new features in version 4.0 software, the cumulative index MEDLINE on fewer disks, the Biomedical Reference Library, and new databases on CD-ROM HUMAN NUTRITION MOSBY. A question-and-answer session will be held as time permits. Pick up your lunch coupon at Island A.

National Library of Medicine
Washington Ballroom
An opportunity to hear about the latest MEDLARS developments and to ask NLM staff questions about online services and products.

PsycINFO
Dover
At PsycINFO's Lunch and Learn, we will give you tips on searching PsycINFO for medical/psychological topics. You will learn effective search techniques for difficult topics and hints for shortcuts in the database.

SilverPlatter Information
Alexandria
Come see and hear about Release 3.0 SPIRS, SilverPlatter's retrieval software for the PC. Many of the SPIRS enhancements were incorporated as a result of suggestions made by our customers. These enhancements include pre-explosions, local journal holdings, internal truncation, database compression, and full journal names in the source field.

1:30 P.M.–3:00 P.M.
Business Session I
Sheraton Ballroom

Presiding: Richard A. Lyders, President, Medical Library Association, and Executive Director, Houston Academy of Medicine–Texas Medical Center Library

Introduction of MLA Executive Director by Richard A. Lyders

Announcements and Introductions by Carla J. Funk, Executive Director

The MLA Board of Directors; David S. Curry, MLA Parliamentarian; and Janet Minnerath, Sergeant-at-Arms, will be introduced.

In Memoriam by Carla J. Funk

New Member Recognition by Carla J. Funk

Call to Order by Richard A. Lyders

Announcement of Election Results by Richard A. Lyders

State of the Association Address by Carla J. Funk

(Numbers in parentheses following each report refer to pages in the *1991/92 Annual Report.*)

Headquarters Report (i)

Report from the President (1)

Finance Committee Report (3)
Joan S. Zenan, Chair and Treasurer

Reports of Appointed and Elected Officials and Administrative Committees

Committee on Committees (5)
Jacqueline D. Bastille, Chair

Bulletin of the Medical Library Association
Naomi C. Broering, Editor (8)

J. Michael Homan, Managing Editor of Books (11)

MLA News
Julie Ann Kesti, Editor (12)

Nominating Committee (13)
Jacqueline D. Bastille, Chair

Bylaws Committee (15)
James A. Curtis, Chair
Carol G. Jenkins, Board Liaison

Reports of Councils

Chapter Council (17)
Julia Sollenberger, Chair

Section Council (21)
Mary L. Ryan, Chair

The following committee reports are listed according to program area.

Membership Services

Exchange Advisory Committee (25)
Mary J. Jarvis, Chair
Jacqueline D. Doyle, Board Liaison

Membership Committee (27)
Gail A. Yokote, Cochair
Rosanne Labree, Cochair
Julia Sollenberger, Board Liaison

Information Issues and Policy

Governmental Relations Committee (35)
June Glaser, Chair
Carol G. Jenkins, Board Liaison

Health Sciences Library Technicians Committee (37)
Van B. Afes, Chair
Jacqueline D. Doyle, Board Liaison

Hospital Libraries Committee (39)
Phyllis C. Gillikin, Chair
Jacqueline D. Doyle, Board Liaison

MLA/AAHSLD Legislative Task Force (46)
Carol G. Jenkins, Chair and Board Liaison

Publishing and Information Industries Relations Committee (48)
Leonoor Ingraham-Swets, Chair
Jacqueline D. Doyle, Board Liaison

Status and Economic Interests of Health Sciences Library Personnel Committee (50)
Dorothy A. Spencer, Ph.D., Chair
Jacqueline D. Doyle, Board Liaison

Professional Development

Continuing Education Committee (52)
Gale A. Dutcher, Chair
Carolyn Anne Reid, Board Liaison

Continuing Education Subcommittees

Chapter/Section Support (54)
Arlee May, Chair
Carolyn Anne Reid, Board Liaison

Instructional Development (55)
Rebecca K. Satterthwaite, Chair
Carolyn Anne Reid, Board Liaison

Instructor Approval, Evaluation, and Support (57)
Lynne D. Morris, Chair
Carolyn Anne Reid, Board Liaison

Opportunity Review (58)
Adam Stephen Szczepaniak, Chair
Carolyn Anne Reid, Board Liaison

Task Force on Knowledge and Skills (59)
Fred W. Roper, Chair
Lucretia W. McClure, Board Liaison

Credentialing Committee (60)
Marlene Saul Englander, Chair
Karen Brewer, Ph.D., Board Liaison

Professional Recognition Review Panel (62)
Julie K. Kwan, Chair
Karen Brewer, Ph.D., Board Liaison

Honors and Awards

Ad Hoc Committee to Establish the Cunningham Endowment (63)
Robert G. Cheshier, Chair
Raymond S. Naegele, Program Staff Liaison

Awards Committee (64)
Mary Ann Hoffman, Chair
M. Sandra Wood, Board Liaison

Grants and Scholarship Committee (65)
Janet Minnerath, Chair
M. Sandra Wood, Board Liaison

Joseph Leiter NLM/MLA Lectureship Committee (67)
Lois Ann Colaianni, Chair
Joan S. Zenan, Board Liaison

Meeting Coordination

1992 National Program Committee (68)
Pamela Jajko, Chair
Richard A. Lyders, Board Liaison

1993 National Program Committee (70)
Rick B. Forsman, Chair
Jacqueline D. Bastille, Board Liaison

Publications

Books Panel (74)
Daniel T. Richards, Chair
Wayne J. Peay, Board Liaison

Bulletin Consulting Editors Panel (76)
Naomi C. Broering, Chair
Wayne J. Peay, Board Liaison

Bulletin Evaluation Committee (77)
Debra S. Ketchell, Chair
Wayne J. Peay, Board Liaison

News Evaluation Committee (78)
Ellen R. Cooper, Chair
Wayne J. Peay, Board Liaison

Publications Committee (80)
Connie Poole, Chair
Wayne J. Peay, Board Liaison

Recognition of Members of the Academy of Health Information Professionals

Adjournment

1:30 P.M.–6:00 P.M.

People Power
Sign up at the Governmental Relations Committe table in the registration area for a team visit to key legislators.

3:00 P.M.–4:30 P.M.

Informal Meetings
(See page 43 for room assignments.)

3:30 P.M.–4:00 P.M.

Coffee Break
Exhibit Hall A

3:30 P.M.–5:00 P.M.

Display of Unique Library Promotional Materials
Poster Session Area, Sheraton Foyer

Poster Session I
Sheraton Foyer

1. "A Network Links Libraries, Databases, Knowledge Systems"
Helen Bagdoyan, Associate Librarian for Planning and Database Development; Naomi C. Broering, Director, Biomedical Information Resources Center, and Medical Center Librarian; Jeffrey Hylton, Assistant Director, IAIMS Technology Laboratory; and Robert Larson, Assistant Director, Coordinator of Library Systems, John Vinton Dahlgren Memorial Library, Georgetown University Medical Center, Washington, DC

2. "An Approach to Serial Cancellation Decisions: Using Subjective Faculty Input and Quantitative Data"
Jo Ann Bell, Ph.D., Director; Melissa Nasea, Serials Librarian; and Susan Speer, Audiovisual Informatics Librarian, Health Sciences Library, East Carolina University, Greenville, NC

3. "Circuit Navigation: The WNYLRC Hospital Library Services Program"
Linda Birkinbine, Coordinator; Karen Buchinger, Circuit Librarian; and Dawn Littleton, Circuit Librarian, Hospital Library Services Program, State University of New York at Buffalo

4. "Bibliographic Instruction for Students in the Health Care Professions: A Coordinated, Organized Plan"
Judy Burnham, Information Services Librarian, Biomedical Library, University of South Alabama, Mobile

5. "Public Relations Ideas for the Small Library"
Linda C. Butson, Associate Director, Information and Media Services, Mountain Area Health Education Center, Asheville, NC

6. "The Pulse and Pluses of CD Plus PlusNet2 at the University of Toronto: Technical Issues and Answers"
Marshall Clinton, Director, Information Technology Services, and Cheryl Martin, Librarian, Interlibrary Loan Borrowing, University of Toronto Library, Ontario, Canada

7. "*MLA News* Evaluation Survey Results"
Kathryn Nesbit, Education Librarian, Edward G. Miner Library, University of Rochester School of Medicine and Dentistry, NY, and Ellen R. Cooper, Librarian, Research Information Center, Solvay Pharmaceuticals, Marietta, GA

8. "National Library Week—It's Not Just for Public Libraries Anymore!"
Marilyn L. Daniels, Health Sciences Librarian, Health Sciences Library, Latrobe Area Hospital, PA

9. "Microform Journal Holdings for Hospital Libraries"
Jacquelyn Gagne, Director of Medical Libraries, Central Medical Library, Group Health Cooperative, Seattle, WA

10. "Interlibrary Loan Request Source of Reference Survey"
Clare Leibfarth, Catalog Librarian, Oliver Ocasek Regional Medical Information Center, Northeastern Ohio Universities College of Medicine, Rootstown

11. "Computer Literacy—A Joint Project of the Library and the Department of Computer Medicine"
Jonathan Merril, M.D., Fellow, Department of Computer Medicine; Anne Linton, Associate Director, Information, Instruction and Media Services; Barbara Collins, Computer Lab Librarian; and Karyn Pomerantz, User Education Coordinator, Himmelfarb Health Sciences Library, The George Washington University Medical Center, Washington, DC

12. "HealthNet: An Integrated Health Information, Education, and Patient Care Network"
Mary Moore, Senior Associate Director, Public Services; Nancy Cammack, Information Services Librarian; and Richard Wood, Director of Libraries, Library of the Health Sciences, Texas Tech University Health Sciences Center, Lubbock

13. "Vital Signs—Cornell Medical Library Online Network"
Octavio Morales, Head, Computer Services, and helen-ann brown [sic], Head, Library Relations, Samuel J. Wood Library/C. V. Starr Biomedical Information Center, Cornell University Medical College, New York, NY

14. "OhioLINK—Ohio's New Statewide Information System"
Jean Sayre, Director and Chief Medical Librarian, Oliver Ocasek Regional Medical Information Center, Northeastern Ohio Universities College of Medicine, Rootstown, and Phyllis Self, Ph.D., Director, Health Sciences Library, University of Cincinnati, OH

15. "MEDSTATS; An Expert System for Locating Medical Statistics"
Kristine Scannell, Supervisory Librarian, Reference Section, National Library of Medicine, Bethesda, MD

16. "Using a Spreadsheet Program to Rationalize a Journal Collection"
Linda C. Stanley, College Librarian, Charles E. Krausz Library, Pennsylvania College of Podiatric Medicine, Philadelphia

17. "CD-ROM vs. MEDLARS: Which is More Efficient for the Experienced Online Searcher?"
JoLinda L. Thompson, Reference Librarian, Moorman Memorial Library, Eastern Virginia Medical School, Norfolk

18. "Education Center/Knowledge Finder® Training: A Library/Pathology Department Collaboration"
Catherine Warren, Educational Services Librarian; Jeanne Strausman, Educational Services Librarian; Diane Thomson, Head, Educational Services,

Samuel J. Wood/C. V. Starr Biomedical Information Center; and Suzanne Stensaas, Ph.D., Associate Professor of Pathology and Director of the Education Center, Cornell University Medical College, New York, NY

19. "Duplicate Detection in the OCLC Database"
Ann T. Dodson, Director, Special Library Programs, OCLC, Dublin, OH

20. "MLA Journal Club in Hawaii"
Beula B. Horak, Head of Reference Services; Claire Hamasu, Reference Librarian, Hawaii Medical Library, Honolulu; and Virginia M. Tanji, Librarian, School of Public Health Library, University of Hawaii, Honolulu

21. "Accessing the Resources of the International Computer Networks"
Nancy Start, Assistant Librarian, Health Sciences Library, State University of New York at Buffalo

4:30 P.M.–6:00 P.M.
National Library of Medicine Update
Sheraton Ballroom

5:00 P.M.–6:00 P.M.
Film Festival
Taft

5:30 P.M.–6:30 P.M.
Academy Sharing and Roundtable
Baltimore

6:00 P.M.–7:30 P.M.
MLA Dues Structure Open Forum
Virginia Suite

7:00 P.M.–9:30 P.M.
Friends of the National Library of Medicine Pig Roast
National Library of Medicine

TUESDAY, MAY 19

6:30 A.M.–7:30 A.M.
Morning Walk

7:00 A.M.–9:00 A.M.
***Ad Hoc* Committee to Establish the Cunningham Endowment**
Roosevelt

Awards Juries
Rockville

Books Panel
Kansas

***Bulletin* Evaluation Committee**
Eisenhower

Bylaws Committee
Lanai Suite 152

Continuing Education Chapter/Section Support Subcommittee
8218

Continuing Education Instructional Development Subcommittee
8217

Continuing Education Instructor Approval, Evaluation, and Support Subcommittee
8216

Continuing Education Opportunity Review Subcommittee
8215

Exchange Advisory Committee
Lanai Suite 148

Grants and Scholarship Juries
Johnson

Health Sciences Library Technicians
8214

Joseph Leiter NLM/MLA Lectureship Committee
8219

***News* Evaluation Committee**
Lanai Suite 156

Professional Recognition Review Panel
Lanai Suite 144

Publishing and Information Industries Relations Committee
Calvert

White House Conference on Library Information Services Task Force
Vermont

Section Business Meetings

Consumer and Patient Health Information
Annapolis

Dental
Wisconsin

Federal Libraries
Baltimore

Medical School Libraries
Richmond/Arlington

Relevant Issues
Idaho

7:30 A.M.–8:30 A.M.
Capital Ideas Breakfast 2
Washington Ballroom

"Health Issues of Race and Gender"

Moderator:
David Nash, Equal Employment Opportunity Officer, National Library of Medicine, Bethesda, MD

Speakers:
Charles Walker, M.D., Director, NLM Outreach Programs, National Library of Medicine, Bethesda, MD

John Ruffin, Ph.D., Associate Director for Minority Programs, National Institutes of Health, Bethesda, MD

Vivian W. Pinn, M.D., Director, Office of Research on Women's Health, National Institutes of Health, Bethesda, MD

8:00 A.M.–5:00 P.M.
Placement Service
Colorado

9:00 A.M.–10:00 A.M.
Plenary Session II
Janet Doe Lecture
Sheraton Ballroom

"Communication in the Physician–Patient Relationship"
Alan M. Rees, Professor Emeritus, Case Western Reserve University, Cleveland, OH

10:00 A.M.–10:30 A.M.
Coffee Break
Exhibit Hall A

10:00 A.M.–5:00 P.M.
MLA Hall of Exhibits Open
Exhibit Hall A
(See "Guide to Exhibits," pp. 51–60.)

10:30 A.M.–11:30 A.M.

Open Forum—MLA Draft Code of Ethics
Sheraton Ballroom

Open Forum: *Platform for Change*
Kansas

11:30 A.M.–1:00 P.M.

Chapter Sharing Luncheon and Roundtables
Washington Ballroom

11:30 A.M.–1:30 P.M.

Lunch in MLA Garden Cafe
Exhibit Hall A

NOON –12:45 P.M.

Lunch and Learn Workshops

Agency for Toxic Substances and Disease Registry
Dover
Agency for Toxic Substances and Disease Registry is a federal agency concerned with environmental health issues, which has developed many new resources for the health professional. These include Toxicological Profiles of Hazardous Substances and Case Studies in Environmental Health. Librarians are seen as crucial in helping to disseminate these and other similar kinds of information. Handouts will be provided.

BRS Colleague
Richmond
Colleague Overview and Update. During the past year, Colleague has implemented many new features. Consult—for the novice user, Mapping—to easily allow controlled vocabulary, and Current Contents Link—which provides quick access to tables of contents for journals and makes searching easier are just a few of these new features. Come and see how these features work and how they benefit the end user.

BRS Search Service
Arlington
Strategies for Cost-Effective Online Searching on BRS. With the increasing demand for service and declining budgets, information professionals need effective tools for controlling online costs. This session will present a range of cost-saving strategies, including utilization of cost-saving system features, tips on planning and database selection, effective use of documentation, and selecting the most suitable contract option.

CD Plus
Annapolis
Mark Nelson, President of CD Plus, will be demonstrating the CD Plus 3.0 software for searching MEDLINE and other biomedical databases on CD-ROM and in multi-user networks. Version 3.0 includes many new and exciting features, including a powerful, Windows-based interface that integrates text and graphics for bibliographic and full-text retrieval. Version 3.0 also includes new search capabilities, such as multifile search, local journal holding limits, and full file search capability.

CINAHL Information Systems
Baltimore
Learn about the new CINAHL database developments regarding research, quality filtering, and training. Bring your lunch. Complimentary drinks will be served.

Data-Star
Rockville
DATA-STAR is a leading international host of online databases with a primary concentration in biomedicine, pharmaceuticals, and health care. Learn more about our multifile search feature, Starsearch. In addition, discover important comparisons with the competition, as well as pricing advantages of Data-Star.

The Institute for Scientific Information
Idaho
ISI offers nontraditional search techniques for medical librarians. We will present the benefits and practical applications of cited reference searching as useful for medical researchers.

Majors Scientific Book and Subscriptions, Inc.
Wilmington
Majors will demonstrate MEDICS (Majors Electronic Data Interchange Communications System), a unique new collection development/acquisition information system. This user-friendly, menu-driven system allows you to search and download files containing information on new books, Majors category, new editions, forthcoming titles, approval plan, order acknowledgments. MEDICS is a free service for librarians.

SilverPlatter Information Systems
Alexandria
Come see and hear about Release 3.0 SPIRS, SilverPlatter's retrieval software for the PC. Many of the SPIRS enhancements were incorporated as a result of suggestions made by our customers. These enhancements include pre-explosions, local journal holdings, internal truncation, database compression, and full journal names in the source field.

1:00 P.M.–5:00 P.M.

CE Option (NP 220: Managing Personalities in the Library)
Wisconsin
Preregistration required.

1:00 P.M.–6:00 P.M.

People Power
Sign up at the Governmental Relations Committee table in the registration area for a team visit to key legislators.

1:30 P.M.–3:30 P.M.

Four Great Debates: Contributed Papers and Panels 1–4

1. *Librarian as Leader*
Sheraton Ballroom North

Moderator:
Patricia L. Thibodeau, Director, Information and Media Services, Mountain Area Health Education Center, Asheville, NC

Speakers:
"Visioning and Strategic Planning: When You Choose to Make a Difference"
Patricia L. Thibodeau, Director, and Linda C. Butson, Associate Director, Information and Media Services, Mountain Area Health Education Center, Asheville, NC

2. *Leading Edge Technologies*
Sheraton Ballroom South

Moderator:
Naomi C. Broering, Director, Biomedical Information Resources Center, and Medical Center Librarian, John Vinton Dahlgren Memorial Library, Georgetown University Medical Center, Washington, DC

Speakers:
"IAIMS: Ten Years of Progress"
Naomi C. Broering, Director, Biomedical Information Resources Center, and Medical Center Librarian, John Vinton Dahlgren Memorial Library, Georgetown University Medical Center, Washington, DC

"Clinical Systems in IAIMS"
Nancy K. Roderer, Director, Harvey Cushing/John Hay Whitney Medical Library, Yale University, New Haven, CT

"IAIMS and the Educational Process"
Nancy M. Lorenzi, Ph.D., Associate Senior Vice-President and Director, Medical Center Information and Communications, University of Cincinnati, OH

"The Outreach Component from Regional and National Perspectives"
Joan Ash, Planning and IAIMS Coordinator; Steve Teich, Outreach Coordinator, Biomedical Information Communication Center, Oregon Health Sciences University; Pamela Van Hine, Head Librarian and Associate Director; and Kathie M. DeGeorges, IAIMS Coordinator, American College of Obstetricians and Gynecologists Resource Center, Washington, DC

"The IAIMS Program and National Communications Networks"
Donald A. B. Lindberg, M.D., Director, National Library of Medicine, Bethesda, MD

Sponsored by the IAIMS Consortium

3. *Escalating Prices*
Delaware

Moderator:
Daniel T. Richards, Director of Biomedical Libraries, Dartmouth College, Hanover, NH

Panelists:
"Price Trends of Health Sciences Library Materials"
Christine L. Bell, Director of Library Services, Babson Library, Newton-Wellesley Hospital, Newton Lower Falls, MA

Stephen J. Giglio, Director, Medical Information Services Division, The Faxon Company, Westwood, MA

Linda Ann Hulbert, Assistant Director for Technical Services, Medical Center Library, St. Louis University, MO

Leonard Schrift, President, Ballen Booksellers International, Inc., Hauppauge, NY

Cosponsored by the Collection Development Section and the Publishing and Information Industries Relations Committee

4. *Outcomes and Total Quality Management*
Richmond/Arlington

Moderator:
David N. King, Assistant Professor, College of Library and Information Science, University of Kentucky, Lexington

Speakers:
"Professional Standards and Quality of Service"
David N. King, Assistant Professor, College of Library and Information Science, University of Kentucky, Lexington

"Qualitative Study of Reference Service in Seven Health Sciences Libraries"
Denise P. Radow, Associate, National Library of Medicine, Bethesda, MD

"Customer Service Models and Quality of Service"
Jayne C. Campbell, Manager, Information and Online Services, and Barbara Koehler, Collection Development and Document Distribution Manager, Welch Medical Library, Johns Hopkins University, Baltimore, MD

"The Far Side of Reference Services: Revolution or Malfunction?"
Katherine Branch, Head, Science Libraries, Yale University, New Haven, CT, and T. Scott Plutchak, Director, Medical Center Library, St. Louis University, MO

2:00 P.M.–3:00 P.M.
MLA Job Market
8220 & 8221

"Planning for Job Transitions"
Holly Shipp Buchanan, Consultant, Louisville, KY

3:30 P.M.–4:00 P.M.
Coffee Break
Exhibit Hall A

3:30 P.M.–5:00 P.M.
Poster Sessions II
Sheraton Foyer

22. "Teaching MEDLINE in the Clinical Epidemiology Program at the University of Toronto"
Nancy Young, Reference Librarian, Science and Medicine Library, University of Toronto, Ontario, Canada; Jennifer Bayne, Manager of Library Services, Toronto Hospital, Toronto General Division, Ontario, Canada; and Linda Devore, Chief Librarian, Mount Sinai Hospital, Toronto, Ontario, Canada

23. "The Gentlemen from MLA: An Introduction to Four Leaders of the Medical Library Association by the Oral History Committee"
Billie Broaddus, Director, Cincinnati Medical Heritage Center, University of Cincinnati, OH; Dorothy Whitcomb, retired, University of Wisconsin, Madison; and Judith G. Robinson, Associate Director for Technical Services, Claude Moore Health Sciences Library, University of Virginia Health Sciences Center, Charlottesville

24. "Impact of Problem-Based Learning on Medical Libraries"
Judy Burnham, Information Services Librarian, and Spencer Marsh, Director, Biomedical Library, University of South Alabama, Mobile

25. "A Common-Sense Approach to Preservation: Profile of a Plan"
Frances L. Chen, Head of Serials Services, Health Sciences Library, University of Arizona, Tucson; and Mark Sanders, Vice-President, Roswell Bookbinding, Phoenix, AZ

26. "GUS—Guardian Utilization Statistics—Software to Track Computer Usage"
Sandra Clevesy, Director, Library Services, MetroWest Medical Center, Union Hospital, Framingham, MA

27. "MACPAC—A Computer-based, Chapterwide Skills Inventory"
Edward Dzierzak, Director, Health Sciences Libraries, Marshall Univer-

sity, Huntington, WV, and Patricia Powell, Head Librarian, Health Sciences Library, West Virginia University, Charleston

28. "Partners in Service: Library Support of GEC"
Min-Lin Emily Fang, Acting Coordinator for Reference Services; Karen Dahlen, Head, Information Services, Library of the Health Sciences, University of Illinois at Chicago; and William Baldyga, Executive Director, Illinois Geriatric Education Center, Chicago

29. "Collection Development Challenge: How and Where to Obtain Culturally Sensitive and Effective Health Information for Multicultural Communities"
Candace Ford, Library Director, Planetree at San Jose Medical Center, CA

30. "Developing a Total Quality Management Resource Center within a Hospital Library"
Jane Grosman, Library Services Director, Sutter Health, Sacramento, CA

31. "Changing Trends in Continuing Education: Results from SCC/MLA Member Surveys"
Deborah D. Halsted, Outreach Coordinator, National Network of Libraries of Medicine, South Central Region, Houston, TX; Ellen Todd Hanks, Senior Information Services, Briscoe Library, University of Texas Health Science Center, San Antonio; Elaine F. Jones, Reference Librarian, Moody Medical Library, University of Texas Medical Branch, Galveston; and Billy L. Triplett, Assistant Director, Medical Center Library, Louisiana State University, Shreveport

32. "Health Science Information Consortium of Toronto: Making a Difference"
Joan L. Leishman, Executive Director, Health Science Information Consortium of Toronto, University of Toronto, Ontario, Canada, and Deidre Green, Director, Hospital Library, Hospital for Sick Children, Toronto, Ontario, Canada

33. "Installation of a Local Area Network for Computer-Assisted Instructional Materials"
Jim Kiesel, Department of Computer Medicine, Division of Academic Computer Services; Anne Linton, Associate Director, Information, Instruction and Media Services; and Barbara Collins, Computer Lab Librarian, Himmelfarb Health Sciences Library, The George Washington University Medical Center, Washington, DC

34. "The Library of Life, Love, and Laughter: Providing Positive and Uplifting Resources"
Jane Ann Potee, Director of Library Services, Health Science Library, Ball Memorial Hospital, Muncie, IN

35. "Library Affinity Groups Program at Brown University"
Janet Crager, Biomedical Reference Librarian; Frank Kellerman, Biomedical Reference Librarian; and Tovah Reis, Medical Library Coordinator, Sciences Library, Brown University, Providence, RI

36. "GRATEFUL MED, LOANSOME DOC Outreach Project in Central Pennsylvania"
Susan M. Robishaw, Medical Reference Librarian, and Britain G. Roth, Director, Learning Resources, Geisinger Medical Center, Danville, PA

37. "The Rochester Study: Sharing the Good News"
Bernie Todd Smith, Director of Library and Circuit Librarian Program, Werner Health Sciences Library, Rochester General Hospital, NY

38. "Hypercard Tutorial for Teaching the Library's Online System"
Inhye Kim Son, Consultation Services Coordinator; Anne Wood Humphries, Assistant Director for Information Services; and Jonquil Feldman, Consultation Services Coordinator, Claude Moore Health Sciences Library, University of Virginia Health Sciences Center, Charlottesville

39. "The Library Zone: A Library Orientation Videotape"
Katherine Stemmer, Director, Library and Audio Visual Services, Health Sciences Library, Bridgeport Hospital, CT

40. "Response to a Need: Institutional Implementation of a Consortium/Network Concept in a Large Multilibrary Setting"
Susanne Tabur, Assistant Head, Science and Medicine Library, University of Toronto, Ontario, Canada

41. "New Resources in Environmental Health"
Patricia Gayle Alston, Health Education Specialist, US Agency for Toxic Substance and Disease Registry, Atlanta, GA

42. "Integration of Interactive Videodisc Technology into Nursing Education"
Mitchell A. Cahan, Manager of Nursing Services, William H. Welch Medical Library, and Susan E. Appling, Instructor, School of Nursing, Johns Hopkins University, Baltimore, MD

4:00 P.M.–6:00 P.M.
Contributed Paper Sessions 5–8

5. *Librarian as Leader: Ethical Issues in Librarianship*
Sheraton Ballroom North

Moderator:
David W. Boilard, Director, Raymon H. Mulford Library, Medical College of Ohio, Toledo

Speakers:
"Ethical Dilemmas: Technology and Biomedical Libraries"
Sharon A. Keller, Head, Information Services Department, and Lori J. Widzinski, Head, Media Resources Center, Health Sciences Library, State University of New York at Buffalo

"Ethics and Malpractice in Health Sciences Librarianship"
Judith G. Robinson, Associate Director for Technical Services, Claude Moore Health Sciences Library, University of Virginia Health Sciences Center, Charlottesville

"Citation and Quotation Accuracy in Three Information Science Journals"
Sharon S. Barten, Medical Librarian, Health Sciences Library, and James T. Evans, M.D., Chief, Department of Surgery, Nassau County Medical Center, East Meadow, NY

6. *Assessing User Needs for Collection, Service, and Product Planning*
Delaware

Moderator:
Linda A. Grix, Library Consultant, Carmichael, CA

Speakers:
"Assessing Health Professionals Information Needs—A Clarification"
Faith A. Meakin, Executive Director, and Lisa Ann LoVullo, Outreach Coordinator, National Network of Libraries of Medicine, Southeastern/Atlantic Region, Regional Medical Library, Health Sciences Library, University of Maryland, Baltimore; and Laura A. Baird, Librarian, National Research Council, Institute of Medicine, Washington, DC

"Access to Current Research Literature: Information-Seeking Behavior of Faculty"
Karen Curtis, Assistant Information Services Librarian; Julie Hurd, Science Librarian; and Ann Weller, Deputy Librarian for the Health Sciences, Library of the Health Sciences, University of Illinois at Chicago

"User Needs Assessment: A Multifaceted Approach"
Diane G. Schwartz, Assistant Director, and Suzanne F. Grefsheim, Head, Alfred Taubman Medical Library, and Coordinator, Health Sciences Libraries, University of Michigan, Ann Arbor

"Using Focus Groups to Determine the Current and Future Information Needs of the Life Science Community"
Brian K. Sweet, Group Leader, and Michelle Solomon, Section Chief, Product Planning and Promotion Department, BIOSIS, Philadelphia, PA

"Getting to Know Your Users and Their Needs through LOANSOME DOC"
Jean P. Shipman, Resources Management Coordinator; Faith A. Meakin, Executive Director; and Susan Bailey, Communications Coordinator, National Network of Libraries of Medicine, Southeastern/Atlantic Region, Regional Medical Library, Health Sciences Library, University of Maryland, Baltimore

7. *Outreach to Health Professionals in Rural, Inner City, and Minority Areas: Have We Made a Difference?*
Richmond/Arlington

Moderator:
Angela Ruffin, Ph.D., Outreach Librarian, National Network of Libraries of Medicine Network Office, National Library of Medicine, Bethesda, MD

Speakers:
"Club GRATEFUL MED Opens in Massachusetts"
Elaine C. Alligood, Assistant Librarian for User Services, Countway Library of Medicine, Harvard University, Boston, MA

"Services to Unaffiliated Mental Health Professionals: Networking Roles for an Academic Special Library"
Barbara A. Epstein, Library Director, Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine, PA

"The Development of a Rural Outreach Program in Alaska"
Judith Bendersky, Outreach Library Coordinator, Alaska Native Medical Center, Anchorage

"Turns on the Way to 'Forgottonia'; Unpredictable Results"
Jo Dorsch, Assistant Health Sciences Librarian, and Trudy K. Landwirth, Health Sciences Librarian, Library of the Health Sciences, University of Illinois at Chicago, Peoria

8. *Leading Edge Technologies: Creating the Virtual Medical Library*
Sheraton Ballroom South

Moderator:
Naomi C. Broering, Director, Biomedical Information Resources Center, and Medical Center Librarian, John Vinton Dahlgren Memorial Library, Georgetown University Medical Center, Washington, DC

Speakers:
"Leading Edge Technologies: Beyond Integrated Library Systems to Networked Libraries"
Naomi C. Broering, Director, Biomedical Information Resources Center, and Medical Center Librarian, John Vinton Dahlgren Memorial Library, Georgetown University Medical Center, Washington, DC

"LIS Net: A Virtual Library System for Tomorrow"
Robert Larson, Assistant Director, Coordinator of Library Systems, John Vinton Dahlgren Memorial Library, Georgetown University Medical Center, Washington, DC

"Virtual Libraries and the Internet: Resource Sharing Across the Network"
Thomas G. Basler, Ph.D., Director of Libraries and Learning Resource Centers, Medical University of South Carolina, Charleston

"Document Delivery in the Virtual Library: Requests Directly from Bibliographic Databases"
Victor A. Basile, University Librarian, University of Medicine and Dentistry of New Jersey, Newark

"The Image Workstation in a Virtual Library: Indexing and Delivering Digitized Images"
Wilma A. Bass, Coordinator of Cataloging Systems, Georgetown University Medical Center, Washington, DC

Sharing Sessions 1–4

1. *Reviewing Our Financial Health*
Alexandria

Moderator:
Dorothy A. Spencer, Ph.D., Chair, Status and Economic Interests of Health Sciences Library Personnel Committee; Editor, *1992 MLA Salary Survey*; and Director, Kauffman Library, California School of Professional Psychology, Fresno

Speakers:
"Report on the *1992 MLA Salary Survey*"
Dorothy A. Spencer, Ph.D., Chair, Status and Economic Interests of Health Sciences Library Personnel Committee; Editor, *1992 MLA Salary Survey*; and Director, Kauffman Library, California School of Professional Psychology, Fresno

"Report on the Allied Health Salaries Survey of the Status and Economic Interests of Health Sciences Library Personnel Committee"

Jett McCann, Head of Serials, Greenblatt Library, Medical College of Georgia, Augusta

"The Financial Support for Library Services Provided by University-Affiliated Teaching Hospitals"
Gary D. Byrd, Assistant Director for Finance, Planning, and Research, Health Sciences Library, University of North Carolina, Chapel Hill

2. *Clinical Librarianship is Alive and Well*
Roosevelt

Moderator:
Kay Wellik, Manager, Library Services, Health Sciences Library, St. Joseph's Hospital and Medical Center, Phoenix, AZ

Speakers:
"Clinical Librarianship is Alive and Well: Why and How It Has Made a Lasting Difference"
Gertrude Lamb, Ph.D., Director, Health Sciences Library, Hartford Hospital, CT

"The Customer is Always Right: The Evolution of a Clinical Library Service"
Pat Ciejka, Chief, Clinical Librarian, Moody Medical Library, University of Texas Medical Branch, Galveston

"Shared Services Make a Clinical Librarian Program Work in a Small Hospital"
Julie A. Lueders, Clinical Librarian, Newington Children's Hospital/ Hartford Hospital, CT

"A New Clinical Librarian Program Meets Hospital Information Needs"
Sherry Dodson, Clinical Medical Librarian, and Elaine Russo Martin, Associate Director for Educational, Clinical and Research Services, Health Sciences Library and Information Center, University of Washington, Seattle

"Morning Report Service: A Cost-Effective Alternative to a Clinical Librarian Service"
Gretchen Naisawald, Associate Director for Public Services; Jonquil Feldman, Consultation Services Coordinator; Anne Wood Humphries, Assistant Director for Information Services; and Linda Watson, Director, Claude Moore Health Sciences Library, University of Virginia Health Sciences Center, Charlottesville

3. *White House Conference on Libraries and Information Services (WHCLIS) 1991*
Kennedy

Moderator:
Candia Thew-Johnson, Director, George J. Farha Medical Library, University of Kansas School of Medicine, Wichita

Panelists:
"White House Conference on Libraries and Information Services (WHCLIS) 1991: Experiences, Observations, Process, and Results"
Candia Thew-Johnson, Director, George J. Farha Medical Library, University of Kansas School of Medicine, Wichita

June Glaser, Librarian, Basil G. Bibby Library, Eastman Dental Center, Rochester, NY

Mary Joan (M. J.) Tooey, Assistant Director for Information Services, Health Sciences Library, University of Maryland, Baltimore

Mary Bayorgeon, Director of Library Services, Health Sciences Library, St. Elizabeth Hospital, Appleton, WI

Lynne Siemers, Director, Library and Media Services, Medical Library, Washington Hospital Center, Washington, DC

Michelle Volesko, Director of Library and Corporate Information Services, Corporate Information Center, Health Research and Education Trust of New Jersey, Princeton

4. *Roles of Health Sciences Librarians: Combating Stereotypes*
Rockville

Moderator and Speaker:
"Marian, Get With the Program!—Roles of Health Sciences Librarians"
helen-ann brown [sic], Head, Library Relations, Samuel S. Wood/C. V. Starr Biomedical Information Center, Cornell University Medical College, New York, NY

Section Programming

Consumer and Patient Health Information/Relevant Issues (Joint Program)
Washington Ballroom

Moderator:
Alan M. Rees, Professor Emeritus, Case Western Reserve University, Cleveland, OH

Speaker:
"Beyond the Journals: How Do Consumers Make Medical Decisions?"
Charles Inlander, President, People's Medical Society, Allentown, PA

Medical Informatics
Baltimore/Annapolis

"Linking Patient Records and the Medical Literature"
Moderator:
Nancy K. Roderer, Director, Harvey Cushing/John Hay Whitney Medical Library, Yale University, New Haven, CT

Speakers:
"Using the Clinical Literature for Patient Care"
K. Ann McKibbon, Research Librarian, Health Information Research Unit, Faculty of Health Sciences, McMaster University, Hamilton, Ontario, Canada

"Linking a Clinical Information System to Knowledge Retrieval"
James J. Cimino, Assistant Professor, Center for Medical Informatics, Columbia University, New York, NY

"Issues in the Use of the Medical Literature in Knowledge Base Construction"
Nunzia Bettinsoli Giuse, Research Assistant Professor of Medicine, Section of Medical Informatics, Department of Medicine, University of Pittsburgh, PA

6:30 P.M.–8:00 P.M.

President's Reception
House on O Street

8:00 P.M.–10:00 P.M.

Informal Meetings
(See page 43 for room assignments.)

WEDNESDAY, MAY 20

7:00 A.M.–9:00 A.M.
Membership Committee
Congressional

Section Business Meetings

Collection Development
Thomas Paine

History of the Health Sciences
Eisenhower

Medical Informatics
Ethan Allen

Pharmacy and Drug Information
(Buffet)
Alexandria

Public Health/Health Administration Libraries
Nathan Hale

Veterinary Medical Libraries
(Continental Breakfast)
Arlington

7:00 A.M.–10:00 A.M.
Hospital Libraries Section Business Meeting and Breakfast
Washington Ballroom

7:30 A.M.–8:30 A.M.
Capital Ideas Breakfast 3
Baltimore

Moderator:
Donna Z. Soultoukis, Director, Library Services, Friends Hospital, Philadelphia, PA
"Women's Health Issues for the '90s"
Susan Blumenthal, M.D., Chief, Behavioral Medicine Program, Basic Prevention and Behavioral Medicine Research Branch, National Institute of Mental Health, Rockville, MD

Cosponsored by the Mental Health Librarians Section and Friends Hospital, Philadelphia, PA

7:30 A.M.–9:00 A.M.
Chiropractic Libraries Section Business Meeting and Breakfast
Truman

Section Business Meeting

Medical Society Libraries
Roosevelt

8:00 A.M.–9:00 A.M.
Section Business Meeting

Medical Library Education
Richmond

8:00 A.M.–4:00 P.M.
Placement Service
Colorado

8:30 A.M.–9:30 P.M.
Section Business Meeting

International Cooperation
Wisconsin

9:00 A.M.–11:30 A.M.
Concurrent Sessions: Contributed Papers and Panels 9–12

9. *Problem-based Medical Education*
Wilmington

Moderator:
Jocelyn A. Rankin, Ph.D., Director, Medical Library, Mercer University School of Medicine, Macon, GA

Panelists:
"Problem-based Learning: An Overview"
Robert S. Donner, Chair, Department of Pathology, Mercer University School of Medicine, Macon, GA

"A Study of Library Use in Problem-based and Traditional Medical Curricula: Part I—Background and Participating Institutions"
Dorothy Fitzgerald, Director, Health Sciences Library, McMaster University, Hamilton, Ontario, Canada

"A Study of Library Use in Problem-based and Traditional Medical Curricula: Part II—Preliminary Results"
Joanne G. Marshall, Ph.D., Assistant Professor, Faculty of Library and Information Science, University of Toronto, Ontario, Canada

"Characteristics of Services and Educational Programs in Libraries Serving Problem-based Curricula"
Martha C. Watkins, Assistant Director, Medical Library, Mercer University School of Medicine, Macon, GA

"Organizational Strategies for Libraries Serving PBL Programs"
Elizabeth K. Eaton, Ph.D., Director, and Elizabeth J. Richardson, Information Services Librarian, Tufts Health Sciences Library, Tufts University, Boston, MA

"A Problem-based Curriculum in Transition: The Emerging Role of the Library at the University of New Mexico School of Medicine"
Jon Eldredge, Chief, Collection and Information Resources Development, UNM Medical Center Library, University of New Mexico, Albuquerque

10. *Alternate Methods for Funding MEDLINE Access*
Dover

Moderator:
Carol H. Fenichel, Ph.D., Director of the Library, Hahnemann University, Philadelphia, PA

Panelists:
"Alternate Methods for Funding MEDLINE Access"
Carol H. Fenichel, Ph.D., Director of the Library, Hahnemann University, Philadelphia, PA

Susan F. Anderson, Assistant Director for Information Services, Treadwell Library, Massachusetts General Hospital, Boston

Thomas Williams, Associate Director for Systems Integration and Access Services, Louis Calder Memorial Library, University of Miami School of Medicine, FL

Suzanne F. Grefsheim, Head, Alfred Taubman Medical Library, and Coordinator, Health Sciences Libraries, University of Michigan, Ann Arbor

11. *"Outreach Partnerships beyond the Academic Health Sciences Library"*
Rockville

Moderator:
Carolyn Weaver, Associate Director for Administration, Health Sciences Library and Information Center, University of Washington, Seattle

Speakers:
"Making a Difference: Partnerships with Public Libraries"
Phyllis S. Lansing, Education Coordinator; Mary Joan (M. J.) Tooey, Assistant Director for Information Services, Health Sciences Library, University of Maryland, Baltimore; and Susan Paznekas, Network Coordinator, Division of Library Development and Services, Maryland State Department of Education, Baltimore

"Consumer Health Information Fair: Partnerships amongst Seattle Area Academic, Public, and Hospital Libraries"
Elaine Russo Martin, Associate Director for Education, Clinical and Research Services, Health Sciences Library and Information Center, University of Washington, Seattle; Barbara Mitchell, Public Service Librarian, Seattle Public Library, WA; and Maureen Carleton, Medical Reference Specialist, King County Public Library, Seattle, WA

"Health Information Multitype Library Networking: Panacea of the '90s"
Helen Teplitskaia, Information Services Librarian, Library of the Health Sciences, University of Illinois at Chicago

12. *Cataloging Issues: Old and New Standards for Unique Materials*
Sheraton Ballroom North

Moderator:
Steve Squires, Head, Cataloging Services, Health Sciences Library, University of North Carolina, Chapel Hill

Speakers:
"Choosing Standards Has Made a Difference for Medical Libraries"
Janifer Meldrum, Director of Marketing, MARCIVE, Inc., San Antonio, TX

"Enhanced CAI Software Catalog Records: Comparing Descriptive Annotations and Unified Medical Language System Synonyms"
Diane J. Hudson, Microcomputer Librarian, University of Texas Southern Medical Center Library, Dallas

"Cataloging Historical Medical Artifacts with the MARC Format and OCLC"
Patsy Gerstner, Chief Curator, Historical Division, Cleveland Health Sciences Library, OH

Cosponsored by the Technical Services Section and the 1992 National Program Committee

Section Programming

Chiropractic Libraries
Truman
"Role and Efficacy of Spinal Manipulation"

Moderator:
Marcia Thomas, Library Director, Ruth R. Cleveland Memorial Library, Cleveland Chiropractic College, Kansas City, MO

Speaker:
"The RAND Report: Its Implications for Spinal Manipulation Therapy Education, Academic-Based Research, and Clinical Practice"
Steve Wolk, Ph.D., Director of Research, Foundation for Chiropractic Education and Research, Arlington, VA

Federal Libraries
Kansas
"Electronic Media"

Moderator: Rosalie H. Stroman, Chief, Readers Services Section, National Institutes of Health Library, Bethesda, MD

Speakers:
"Navigating the Internet: Merit Information Services Cruise"
Laura Kelleher, Coordinator, Networked Applications, Merit Network, Inc., Ann Arbor, MI

"Electronic Distribution of Information"
William Jones, Head, Subsystem Development Unit, Computer Center Branch, Division of Computer Research and Technology, National Institutes of Health, Bethesda, MD

"FEDLINK Update"
Kathy Eighmey, FEDLINK Network Librarian, Federal Library and Information Center Committee, Library of Congress, Washington, DC

History of the Health Sciences/Research Libraries (Joint Program)
Taft
"Old Books in a New Age: The Role of a Historical Collection in Today's Medical Library"

Moderator:
John Parascandola, Ph.D., Chief, History of Medicine Division, National Library of Medicine, Bethesda, MD

Speakers:
"From the Perspective of a Library Director"
Lucretia W. McClure, Director, Edward G. Miner Library, University of Rochester School of Medicine and Dentistry, NY

"From the Perspective of a Special Collections Librarian"
Nancy W. Zinn, Special Collections Librarian, University of California-San Francisco Library

"From the Perspective of a Faculty Member User"
Robert J. T. Joy, M.D., Professor of Medical History, Uniformed Services University of Health Sciences, Bethesda, MD

Hospital Libraries
(10:00 A.M.–11:30 A.M.)
Washington Ballroom
"Libraries, Outreach, or Biotechnology: What is the Primary Role of NLM?"

Moderator:
Susan Russell Lessick, Head, Medical Center Library, University of California–Irvine, Orange

Speakers:
Donald A. B. Lindberg, M.D., Director, National Library of Medicine, Bethesda, MD, and Herbert S. White, Ph.D., Distinguished Professor, School of Library and Information Science, Indiana University, Bloomington

Panelists:
Barbara Brian, Director, Health Sciences Library, Hennepin County Medical Center, Minneapolis, MN

Sandra Clevesy, Director, Library Services, MetroWest Medical Center, Framingham, MA

J. Pat Craig, Professor and Chairman, Department of Medical Library Science, Director, Medical Library/ Division of Biomedical Communications, Louisiana State Univerity Medical Center, School of Medicine, Shreveport

Wayne J. Peay, Director, Spencer S. Eccles Health Sciences Library, University of Utah, Salt Lake City

Nancy J. Smith, Chief, Learning Resources Service, Department of Veterans Affairs Medical Center, Salisbury, NC

Medical Informatics/Library Research
(Joint Program)
Johnson
"Research in Health Sciences Informatics"

Moderator:
Prudence Dalrymple, Director, Office for Accreditation, American Library Association, Chicago, IL

Speakers:
"Representation through Soft Systems Methodology of the Knowledge Environments of Community Health Providers: Implications for Automated Decision-Support Systems"
Mary M. Huston, Ph.D., Associate Professor; Susan Sebastian Miericke, Doctoral Student, School of Library and Information Studies; and Barbara Hettingher, Ph.D., Clinical Nurse Specialist, College of Nursing, Texas Woman's University, Denton

"Expert System for Subject Cataloging"
Richard J. Harris, Systems Coordinator; Renee Mansheim, Technical Services Coordinator, Eastern Virginia Medical School, Norfolk; Stewart Shen, Professor; and Ashraf Morsi, Teaching Assistant, Old Dominion University, Norfolk, VA

"Knowledge Representation in Medical Literature"
Valerie Florance, Deputy Director, William H. Welch Medical Library, Johns Hopkins University, Baltimore, MD, and Gary Marchionini, Associate Professor, College of Library and Information Services, University of Maryland, College Park

"Willow"
Sherrilynne Fuller, Ph.D., Director, and Debra S. Ketchell, Associate Director for Research Management and Systems Development, Health Sciences Library and Information Center, University of Washington, Seattle

"A Relational 'Browser' for the UMLS Knowledge Sources"
Anthony R. Aguirre, IAIMS Project Librarian, Augustus C. Long Health Sciences Library, Columbia University, New York, NY

Medical Library Education
Richmond
"Recruiting Professionals for the Next Generation"

Moderator:
Ellen G. Detlefsen, Ph.D., Associate Professor, School of Library and Information Science, University of Pittsburgh, PA

Speakers:
"Recruiting for the Profession: A Library Educator's Perspective"
Emma Jean McKinin, Assistant Professor, School of Library and Informational Science, University of Missouri, Columbia

"The First Professional Position: Expectations of Employees and Employers"
Virginia M. Bowden, Director, Briscoe Library, University of Texas Health Science Center, San Antonio

"Recruiting the Middle Manager: Perks and Promises"
Edward W. Tawyea, Director, Scott Memorial Library, Thomas Jefferson University, Philadelphia, PA

Medical Society Libraries
Roosevelt
"Outreach Projects of Medical Society Libraries"

Moderator:
Pamela Van Hine, Head Librarian and Associate Director, Resource Center, American College of Obstetricians and Gynecologists, Washington, DC

Speakers:
"GRATEFUL MED Opens the Door to Medical Literature for Delaware Public Health Providers"
(9:00 A.M.)
Gail P. Gill, Director of Library Services, Lewis B. Flinn Library of the Delaware Academy of Medicine, Wilmington

"National Outreach Services for Family Physicians"
(9:15 A.M.)
Patricia A. Gibson, Ph.D., Vice-President for Information Services, Huffington Memorial Library, American Academy of Family Physicians Foundation, Kansas City, MO

"ACOG Outreach to Improve Native American Maternal-Child Health"
(9:30 A.M.)
Pamela Van Hine, Head Librarian and Associate Director, Resource Center, American College of Obstetricians and Gynecologists, Washington, DC

"Medical Society Library Use of LOANSOME DOC—Results of a Survey"
(9:45 A.M.)
Pamela Van Hine, Head Librarian and Associate Director, Resource Center, American College of Obstetricians and Gynecologists, Washington, DC

General Discussion (10:00 A.M.)

Pharmacy and Drug Information/ Veterinary Medical Libraries
(Joint Program)
Alexandria
"Making the Difference, Taking the Risks, Valuing the Rewards"

Moderators:
Jean Larson, Director of the Animal Welfare Information Center, National Agricultural Library, Beltsville, MD, and Victoria Kok, Director, Veterinary Medicine Library, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Polytechnic Institute and State University, Blacksburg

"Excerpta Medica Lecture, 1992, Alternatives and Animals"
Alan M. Goldberg, Ph.D., Professor and Director, Center for Alternatives

to Animal Testing (CAAT), and Associate Dean for Research, Johns Hopkins School of Public Health, Baltimore, MD

Invited Speaker:
"Medical Informatics"
Richard B. Talbot, Ph.D., Professor of Biomedical Sciences, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Polytechnic Institute and State University, Blacksburg

Public Health/Health Administration Libraries
Nathan Hale
"Issues in Women's Health"

Moderators:
Nina M. Lane, Director of Library Services, Group Health Association of America, Washington, DC, and Bruce N. Yamasaki, Director, Parklawn Health Library, Office of the Assistant Secretary for Health, US Public Health Service, Department of Health and Human Services, Rockville, MD

Panelists:
"Health and Social Policy Perspectives"
Agnes Donahue, Director, Office of Women's Health, Office of the Assistant Secretary for Health, US Public Health Service, Department of Health and Human Services, Washington, DC

"Biomedical and Behavioral Research Perspectives"
Lana Skirboll, Ph.D., Acting Associate Administrator for Science, Alcohol, Drug Abuse, and Mental Health Administration, US Public Health Service, Department of Health and Human Services, Rockville, MD

"Consumer Advocacy Perspectives"
Sandy Rovner, Staff Writer, *Washington Post*, Washington, DC

"Provider Perspectives"
Florence P. Haselstine, M.D., Ph.D., Director, Center for Population Research, National Institutes of Child Health and Human Development, National Institutes of Health, Bethesda, MD

9:45 A.M.–11:30 A.M.
Section Programming

International Cooperation
Wisconsin
"Medical Librarian Abroad"

Moderator:
Van B. Afes, Head of Technical Services, Louis Calder Memorial Library, University of Miami School of Medicine, FL

Invited Speaker:
(9:45 A.M.–10:15 A.M.)
"The Development of the Network of Health and Biomedical Information and Resources Sharing in the People's Republic of China"
Lu Rushan, M.D., Director of the Institute of Medical Information, Health Sciences Library of the Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, China

Sponsored Papers: International Resource Sharing—North American Librarians Abroad
(10:30 A.M.–11:30 A.M.)

Speakers:
"Sojourn in Uganda"
Ione Auston, Librarian, Office of Health Services Research Information, National Library of Medicine, Bethesda, MD

"Topside Up Down Under: Antipodean Medical Libraries—One American's Experience"
Frances Flynn, Reference Librarian, New England College of Optometry, Boston, MA

"An American in England"
Donna Flake, Library Director, Wilmington Area Health Education Center, NC

"Choosing the Third World: Reflections of a Peace Corps Librarian"
Lisa Ann LoVullo, Outreach Coordinator, National Network of Libraries of Medicine, Southeastern/Atlantic Region, Baltimore, MD

10:00 A.M.–10:30 A.M.
Coffee Break
Exhibit Hall A

10:00 A.M.–11:00 A.M.
MLA Job Market
8220 and 8221
"Information Network-MLA: Expanded Services"
Katie Corcoran, Director of Membership Development, Medical Library Association, Chicago, IL

10:00 A.M.–2:00 P.M.
Hall of Exhibits Open
Exhibit Hall A
(See "Guide to Exhibits," pp. 51–60.)

11:30 A.M.–1:30 P.M.
Awards Luncheon and Ceremony
Sheraton Ballroom South

1:30 P.M.–3:30 P.M.
Section Programming

Technical Services
Sheraton Ballroom North

Moderator:
Dianna Zinnato, Associate Director for Collection Management, Technical Services, Scott Memorial Library, Thomas Jefferson University, Philadelphia, PA

Speaker:
"NLM Update"
Sally Sinn, Deputy Chief, Technical Services Division, National Library of Medicine, Bethesda, MD

Business Meeting

1:30 P.M.–4:00 P.M.
Section Programming

Cancer Librarians
Truman

Moderator:
Christine Fleuriel, Librarian, Professional Staff Library, Dana-Farber Cancer Institute, Boston, MA

Speaker:
"Ethics in Clinical Medicine"
John Collins Harvey, M.D., Ph.D., Professor of Medicine, Emeritus, Center for Clinical Bioethics, Georgetown University Medical Center, Washington, DC

Collection Development
Alexandria
"Selection and Management of Electronic Information Resources"

Moderator:
Connie Poole, Head, Technical Services, School of Medicine Library, Southern Illinois University, Springfield

Speakers:
"A Publisher Perspective"
Patricia A. Morgan, Associate Publisher, Online Journal of Current Clinical Trials, American Association for the Advancement of Science, Washington, DC

"A Vendor Perspective"
Terry Noreault, Director, Reference and Database Services, OCLC Online Computer Library Center, Inc., Dublin, OH

"A Library Perspective"
Claudia A. Perry, Director, Harold Kohn Vision Science Library, State College of Optometry, State University of New York, New York

Dental
West Conference Room, National Museum of American History Building, Smithsonian Institute

Moderator:
Maureen Wren, Associate Librarian, New York University Dental Library, NY

Speaker:
"Aspects of Dental History"
Audrey B. Davis, Ph.D., Curator of Medical Sciences Division, National Museum of American History, Smithsonian Institute, Washington, DC

Tour of the Smithsonian Institute

Educational Media and Technologies
Wisconsin

Moderator:
Billy L. Triplett, Assistant Director, Louisiana State University Medical Center Library, Shreveport

Speaker:
"IBM Infowindow Interactive Videodisc System Demonstration"
Lee Bairnsfather, Ph.D., Director, Biometry, Academic Computing, Louisiana State University Medical Center, Shreveport, LA

Hospital Libraries
(1:30 P.M.–3:30 P.M.)
Washington Ballroom
"High-Tech PALs (Primary Access Libraries): Technology for Libraries on the Edge"

Moderator:
Susan Russell Lessick, Head, Medical Center Library, University of California–Irvine, Orange, CA

Speakers:
"Biomedical Computing in the Future: Visualizing the Virtual Library"
Daniel R. Masys, M.D., Director, Lister Hill National Center for Biomedical Communications, National Library of Medicine, National Institutes of Health, Bethesda, MD

"How to Discover Your Hospital's Hidden Resources"
Ellen Wilson Green, Director, Health Sciences Information Center, Cedars-Sinai Medical Center, Los Angeles, CA

"Change on a Hot Tin Roof"
Susan C. Curzon, Ph.D., Director of Libraries, Glendale Public Library, CA

"Toward Intelligent Question Answering Systems: Expert Systems Applications in Reference"
John V. Richardson, Jr., Ph.D., Associate Professor, Graduate School of Library and Information Science, University of California–Los Angeles

Open Forum
(3:45 P.M.–5:00 P.M.)
Washington Ballroom

Moderator:
Jacqueline D. Doyle, Director, Health Science Library, Good Samaritan Medical Center, Phoenix, AZ

"The Winning CQI Edge"
Chris Jones, Chief, Library Service, Veterans Administration Medical Center, Biloxi, MS

"The Management of Information in Hospitals: JCAHO's Perspective"
Jana Bradley, Ph.D., Assistant Professor, Graduate School of Library and Information Science, University of Illinois, Urbana-Champaign

The moderators will present an update on the activities of the JCAHO Information Management Task Force. The first speaker will discuss the role of the hospital librarian in continuous quality improvement, citing specific examples of how librarians can fit into this process. The second speaker will address JCAHO's concept of information management and translate it into the activities that hospital librarians do now and may have the opportunity to do in the future.

Library Research
Idaho
"Fresh Findings: Ongoing Research Projects in Health Sciences Librarianship"

Poster Sessions:
Coordinator: Prudence Dalrymple, Director, Office for Accreditation, American Library Association, Chicago, IL

"The Relation Between Clinical Activity and Demand for Research in a Hospital Library as Measured by Journal Usage: The DR6-UMLS-MeSH" (2:00 P.M.–2:20 P.M.)
Merle L. Colglazier, Medical Librarian, Richmond Memorial Hospital Library, VA

"The Use of MeSH in an Online Catalog" (2:20 P.M.–2:40 P.M.)
Peggy Richwine, Collection Database Manager, Indiana University School of Medicine Library, Indianapolis

"Faculty Publications Databases in Academic Medical Libraries"
(2:40 P.M.–3:00 P.M.)
Renee Mansheim, Technical Services Coordinator, and JoLinda L. Thompson, Reference Librarian, Eastern Virginia Medical School Library, Norfolk

"Networking Genetic Databases through a Library Information System" (3:00 P.M.–3:20 P.M.)
Susan Crawford, Ph.D., Director, Library and Biomedical Communications Center, Washington University School of Medicine, St. Louis, MO

"A Comparison of CINAHL and MEDLINE CD-ROM in Four Allied Health Areas" (3:20 P.M.–3:40 P.M.)
Maureen E. Watson, Optometry

Librarian, and Richard Perrin, Coordinator of Interlibrary Loans and Online Services, Ferris State University, College of Optometry, Big Rapids, MI

Public Services/Medical School Libraries (Joint Program)
Baltimore
"Everything I Need to Know about Information Services I Learned at MLA"

Moderator:
Susan Feinglos, Acting Director, Duke Medical Center Library, Durham, NC

Invited Speaker:
"National Reference and Referral at NLM"
Pamela A. Meredith, Head, Reference Section, National Library of Medicine, Bethesda, MD

Contributed Papers:
"Reference Collections Development in the 1990s"
Jo Anne Boorkman, Head, Carlson Health Sciences Library, University of California, Davis

"Reference Statistics Made Simple"
Evelyn H. Forbes, Reference Librarian, and Mari Stoddard, Outreach and User Education Librarian, Medical Center Library, Vanderbilt University, Nashville, TN

"A Computer Literacy Program for Medical Library Staff"
Laurie A. Potter, Savitt Medical Library, University of Nevada School of Medicine, Reno

"Access Services: The Forgotten Staff"
Ann Paietta, Access Services Librarian; Kenny Fryer, Acting Director; and Lynn Sette, Acting Head, Reference, Harvey Cushing/John Hay Whitney Medical Library, Yale University, New Haven, CT

"Entry Points: Progressive Matching of Curricular Needs"
Jo Dorsch, Assistant Health Sciences Librarian, and Walter Wilkins, Assistant Health Sciences Librarian, Library of the Health Sciences, University of Illinois at Chicago, Peoria

"Enhancing Online Bibliographic Records to Improve Retrieval of Reference Collection Monographs"
Ruth Makinen, Head of Technical Services, Bio-Medical Library, University of Minnesota, Minneapolis

Workshops 1–4

1. *Library Management*
Kennedy

Moderator:
Neil Rambo, Associate Director, National Network of Libraries of Medicine, Pacific Northwest Region, Health Sciences Library and Information Center, University of Washington, Seattle

Speaker:
"Library Management: Technology and Techniques"
Sanjay R. Chadha, Network and Systems Analyst, Houston Academy of Medicine–Texas Medical Center Library

2. *Librarians Responding to AIDS: Building Useful Resources in Your Library*
Johnson

Moderator:
Tamara Turner, Director, Hospital Library, Children's Hospital and Medical Center, Seattle, WA

Speakers:
"AIDS Information: A Decade of Development and Evolution"
David S. Ginn, Associate Director for Information Services, Falk Library of the Health Sciences, University of Pittsburgh, PA

"Bridging the Communications Gap within the AIDS Arena"
Jeffrey T. Huber, Ph.D., Pittsburgh, PA

"Beyond the Online Catalog: Creating a Locally Developed Integrated Database of AIDS Care and Service Providers"
Suzetta C. Burrows, Deputy Director and SEFAIN Project Coordinator, University of Miami School of Medicine, FL

"NLM'S AIDS Information Products and Services"
Gale A. Dutcher, Special Assistant to the Associate Director, Specialized Information Services, and Ginny DuPont, Library Operations, National Library of Medicine, Bethesda, MD

3. *Database Design: Information Delivery and the Automated Library*
Eisenhower

Moderator:
Oren Sreebny, Director, Database Development, Maxwell Online, Inc., McLean, VA

Speakers:
"New Realities of Information Delivery: The Mountain Comes to Mohammed"
Oren Sreebny, Director, Database Development, Maxwell Online, Inc., McLean, VA; Diane J. Hoffman, Director, Marketing and Distribution, BIOSIS, Philadelphia, PA; Dana Johnson, BRS Database Specialists, Maxwell Online, Inc., McLean, VA; and Pat Stevens, Product Manager—Higher Education, BRS Software Products, McLean, VA

4. *Obtaining Copyright Permissions*
(1:30 P.M.–3:00 P.M.)
Roosevelt

Moderator:
Tamara Ewald, Copyright Coordinator, National Epilepsy Library, Landover, MD

Speakers:
"Obtaining Copyright Permissions: Procedures and Guidelines"
Tamara Ewald, Copyright Coordinator, and Deborah Judy, Assistant Librarian, National Epilepsy Library, Landover, MD

1:30 P.M.–4:30 P.M.

Section Programming

Nursing and Allied Health Resources
Richmond/Arlington
"Underpinning Lifelong Learning: Library Support of Nursing and Allied Health Programs"

Moderator:
Barbara F. Schloman, Head, Reference

and Information Services, Kent State University Libraries, OH

Speakers: (1:30 P.M.–3:30 P.M.)
"Accreditation Criteria for Library Support of Nursing and Allied Health Programs: An Introduction"
Margaret (Peg) Allen, Processing Coordinator, Learning Resources Center, University of Wisconsin, Stevens Point

"The Brandon-Hill Lists: Why, How, What, and What Not"
Alfred N. Brandon, Consultant, Majors Scientific Books and Subscriptions, Inc., Daytona Beach, FL, and Dorothy R. Hill, Collection Development Librarian, Levy Library, and Assistant Professor of Medical Education, Mount Sinai School of Medicine, New York, NY

(Break: 3:00 P.M.-3:15 P.M.)

"A Description of the Libraries Supporting Baccalaureate, Master's, and Doctoral Programs in Nursing" (3:15 P.M.–4:30 P.M.)
Jody Guenther, Ph.D., Director, Learning Resources Center, and Assistant Professor, Baylor University School of Nursing, Dallas, TX

4:00 P.M.–5:00 P.M.
Late-Breaking News
Sheraton Ballroom North

Moderators:
Bernie Todd Smith, Library Director and Director of Circuit Librarian Program, Rochester General Hospital, NY, and David W. Boilard, Director, Raymon H. Mulford Library, Medical College of Ohio, Toledo

4:00 P.M.–5:30 P.M.
Informal Meetings
(See page 43 for room assignments.)

5:00 P.M.–6:00 P.M.
Business Session 2
Sheraton Ballroom

Presiding: Richard A. Lyders, President, Medical Library Association, and Executive Director, Houston Academy of Medicine–Texas Medical Center Library

Old Business

New Business

Resolutions

Welcome to 1993 Host City, Chicago, IL
Patricia E. Pinkowski, Chair, 1993 Local Assistance Committee, and Director, Benjamin B. Green-Field Library, Alzeheimers Association, Chicago, IL, and James Shedlock, Chair, 1993 Promotion and Publicity Committee, and Director, Galter Health Sciences Library, Northwestern University, Chicago, IL

Recognition of Retiring Board Members

Introduction of Incoming Board Members

Inaugural Address
Jacqueline D. Bastille, President, Medical Library Association, and Director, Treadwell Library, Massachusetts General Hospital, Boston

Adjournment

8:30 P.M.
Farewell Party
Sheraton Ballroom

THURSDAY, MAY 21

8:00 A.M.–NOON
Section Council
Vermont

8:00 A.M.–2:00 P.M.
Chapter Council
Kansas

8:00 A.M.–5:00 P.M.
Continuing Education Committee
Idaho

8:00 A.M.–5:30 P.M.
Think Tank on Research Initiative
Dover

8:30 A.M.–NOON
Hospital Libraries Section Executive Committee Meeting
Kennedy

9:00 A.M.–3:00 P.M.
Board of Directors
Congressional

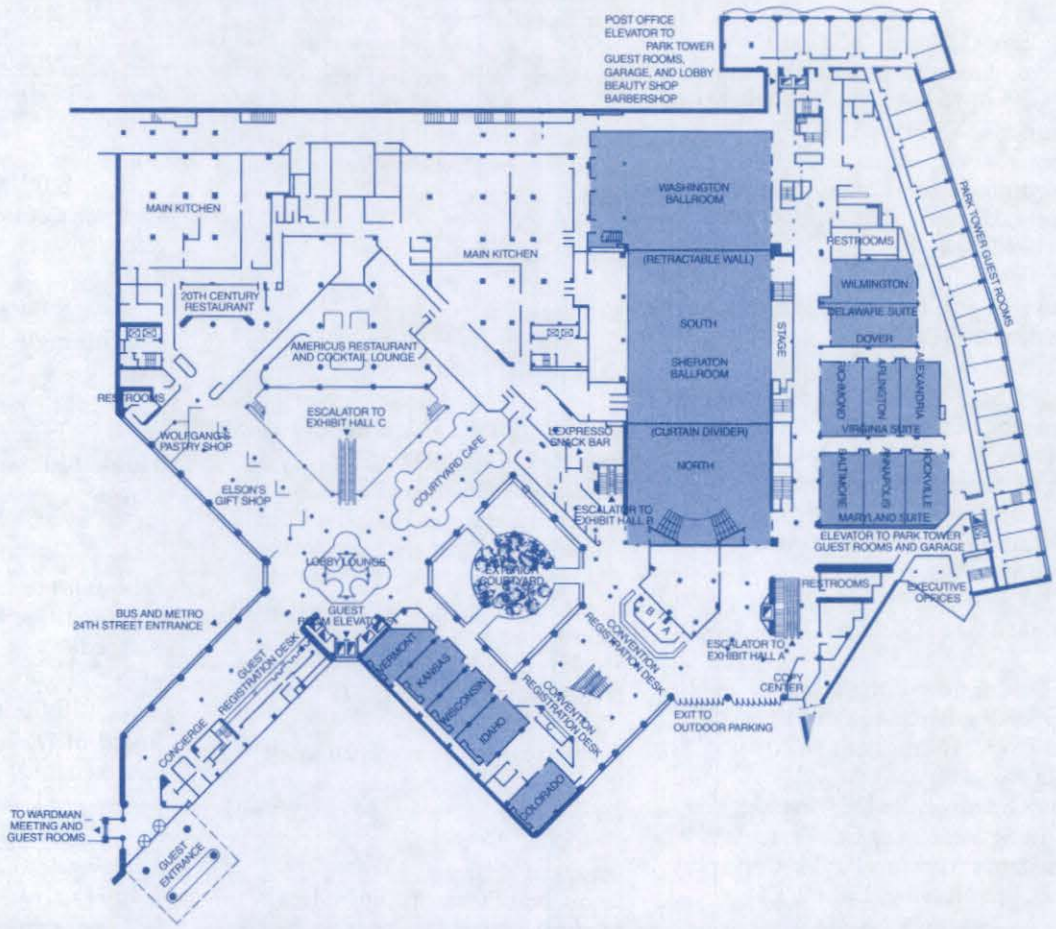
9:00 A.M.–5:00 P.M.
Symposium: Electronic Imaging and Interactive Video
National Library of Medicine

FRIDAY, MAY 22

9:00 A.M.–3:00 P.M.
Board of Directors
Congressional

◆ SHERATON WASHINGTON HOTEL MAP ◆

Lobby Level



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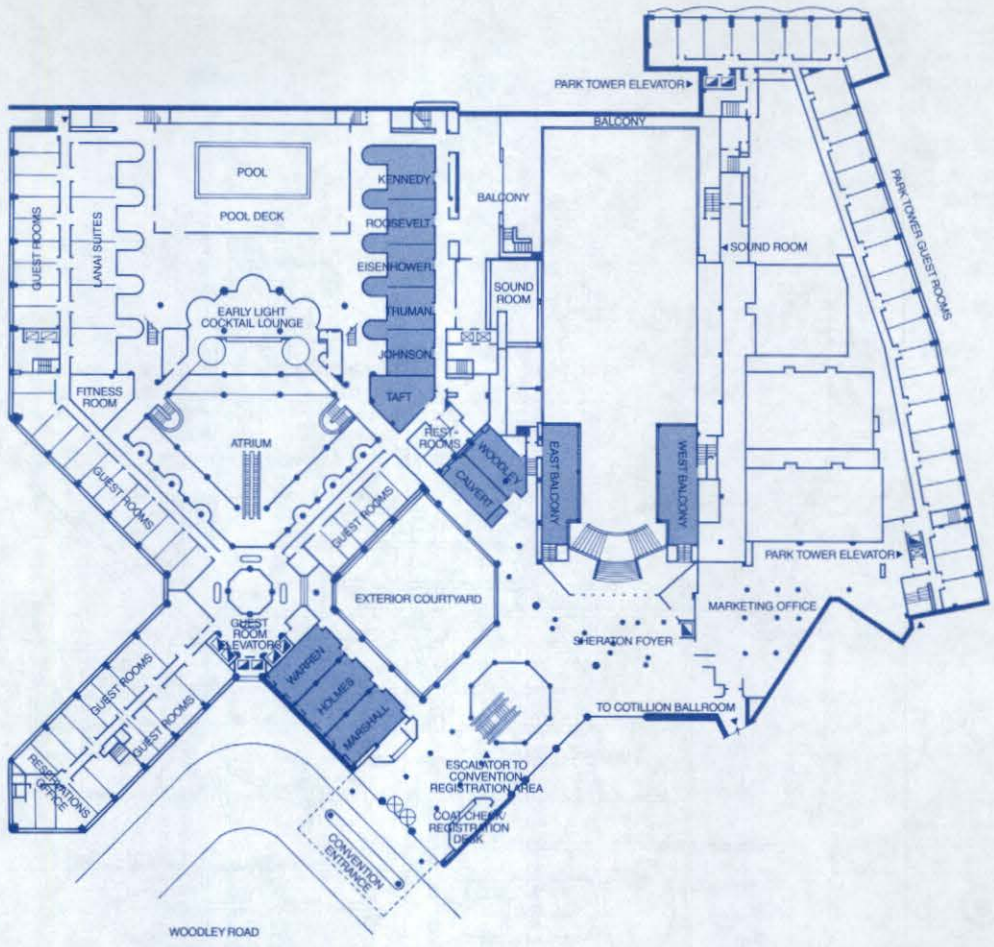
◆ SHERATON WASHINGTON HOTEL MAP ◆

First Level



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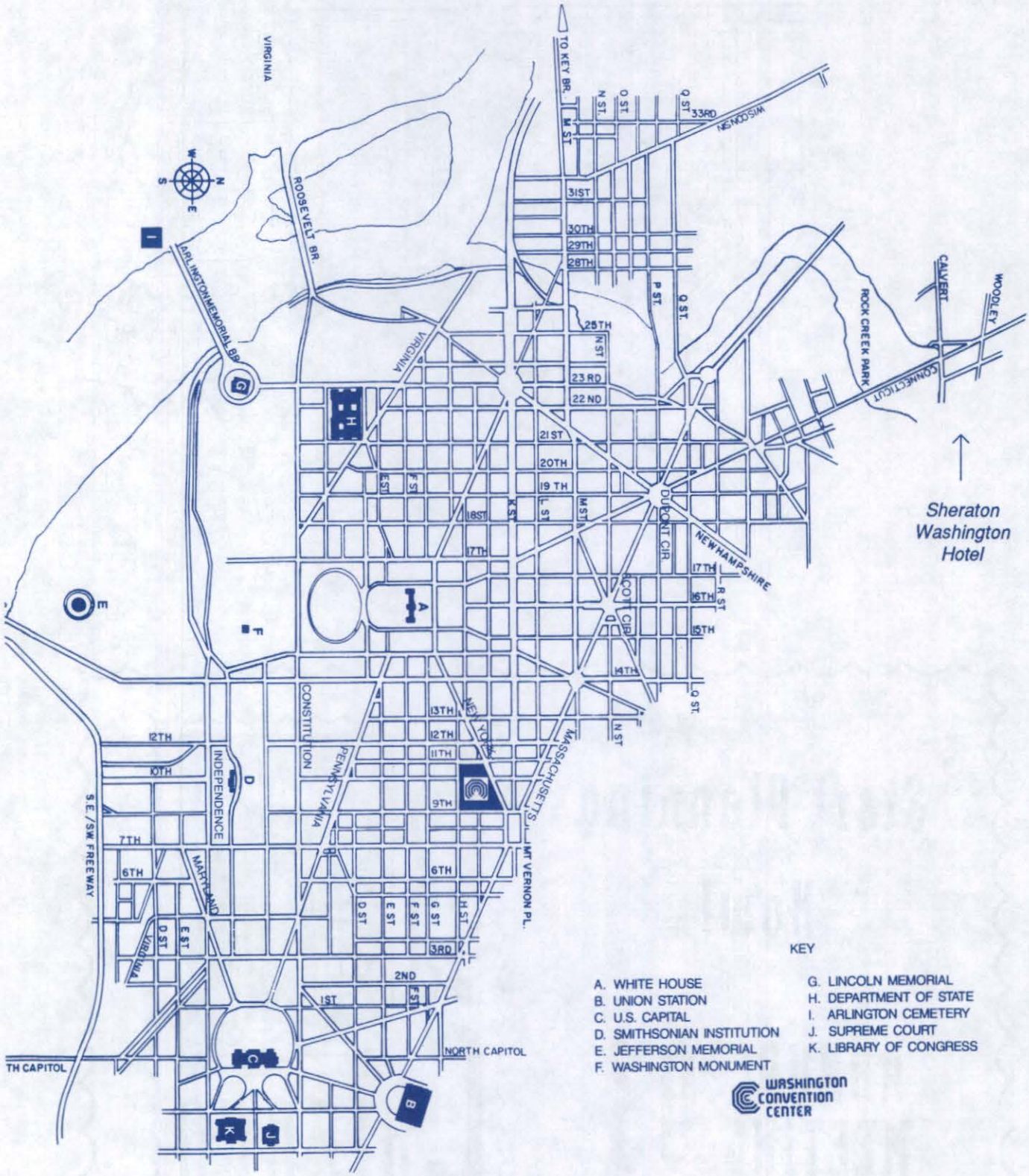
ANNUAL MEETING '93

MLA 93 CHICAGO

◆ WASHINGTON, DC, MAP ◆



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C. U.S. CAPITAL
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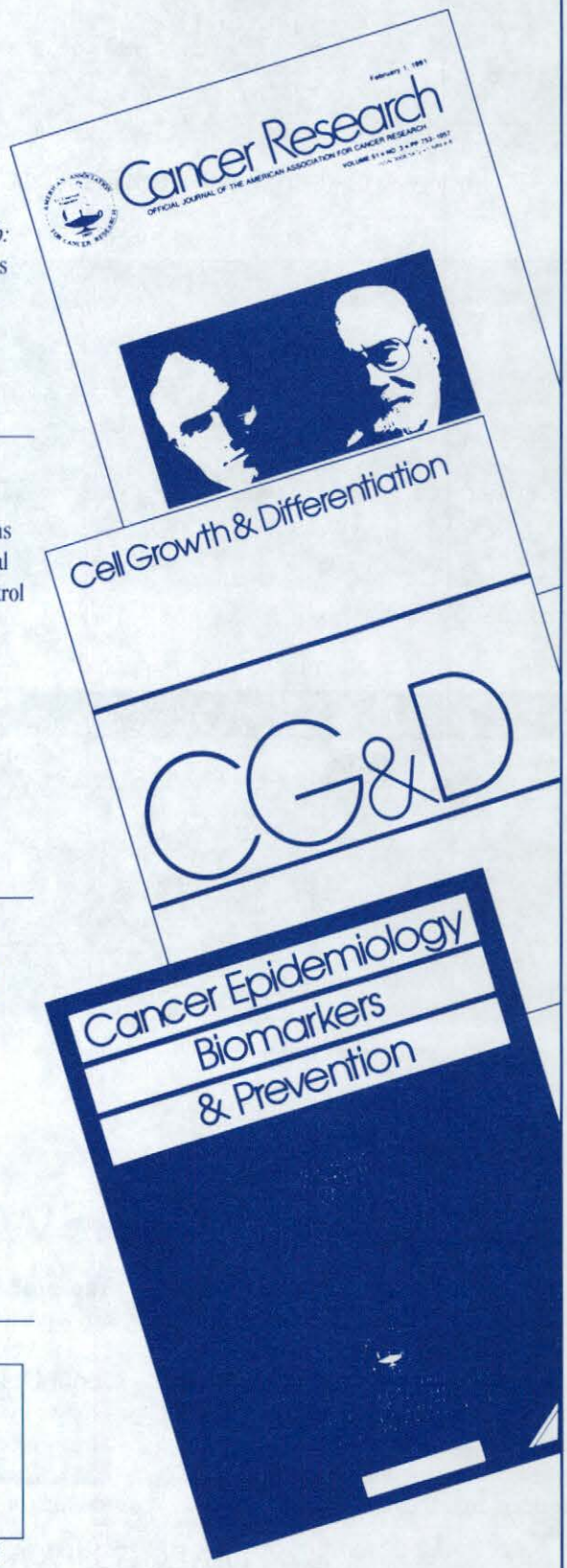

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◆ INFORMAL MEETINGS SCHEDULE ◆

	DATE	TIME	LOCATION
Access Special Interest Group	Tuesday, May 19	8:00 P.M.–9:30 P.M.	Alexandria
Army Medical Librarians	Wednesday, May 20	4:00 P.M.–5:30 P.M.	Vermont
Association of Visual Science Librarians	Wednesday, May 20	4:00 P.M.–5:30 P.M.	Idaho
Basic Health Science Library Network	Monday, May 18	3:00 P.M.–4:30 P.M.	Rockville
BioethicsLine Training Session	Monday, May 18	3:00 P.M.–4:30 P.M.	Johnson
CD Plus, Inc.	Monday, May 18	3:00 P.M.–4:30 P.M.	Arlington/Richmond
Chiropractic Libraries Consortium	Wednesday, May 20	4:00 P.M.–5:30 P.M.	Roosevelt
Family Practice Interest Group	Monday, May 18 Wednesday, May 20	3:00 P.M.–4:30 P.M. 4:00 P.M.–5:30 P.M.	Vermont Congressional
Georgetown University Library Information Systems	Tuesday, May 19	8:00 P.M.–10:00 P.M.	Washington Ballroom
Interest Group for Gerontology and Geriatrics	Monday, May 18 Tuesday, May 19	3:00 P.M.–4:30 P.M. 8:00 P.M.–10:00 P.M.	Lanai Suite 156 Kansas
Hospital Libraries Section			
Executive Committee	Saturday, May 16 Thursday, May 21	6:00 P.M.–10:00 P.M. 8:30 A.M.–NOON	Dover Kennedy
Automation Forum	Monday, May 18	3:00 P.M.–4:30 P.M.	Alexandria
Publications Committee and Standards Committee	Tuesday, May 19	8:00 P.M.–10:00 P.M.	Baltimore
Automation Committee and Bylaws Committee	Tuesday, May 19	8:00 P.M.–10:00 P.M.	Annapolis
Professional Development and Professional Recognition Committee	Tuesday, May 19	8:00 P.M.–10:00 P.M.	Dover
Government Relations Committee and Membership Committee	Tuesday, May 19	8:00 P.M.–10:00 P.M.	Wilmington
Mid-Atlantic Chapter	Wednesday, May 20	4:00 P.M.–5:30 P.M.	Kansas
Oral History Committee, Editors and Indexers	Tuesday, May 19	8:00 P.M.–10:00 P.M.	Lanai Suite 156
Osteopathic Librarians Interest Group	Monday, May 18	3:00 P.M.–4:30 P.M.	Lanai Suite 144
PaperChase Afternoon Tea	Monday, May 18	3:00 P.M.–4:30 P.M.	Washington Ballroom
Pediatric Librarians Group	Wednesday, May 20	4:00 P.M.–5:30 P.M.	Eisenhower
Problem-Based Learning Librarians	Monday, May 18	3:00 P.M.–4:30 P.M.	8212
Public Services Section	Tuesday, May 19	8:00 P.M.–9:30 P.M.	Idaho

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Public Services Section, Fee-Based Special Interest Group	Monday, May 18	3:00 P.M.–4:30 P.M.	Annapolis
Research Information Systems, Inc.	Monday, May 18	3:00 P.M.–4:30 P.M.	Dover
SERHOLD Coordinators	Wednesday, May 20	4:00 P.M.–5:30 P.M.	Wilmington
SilverPlatter Users Group Meeting	Monday, May 18	3:00 P.M.–4:30 P.M.	Wilmington
Southern Chapter	Tuesday, May 19	8:00 P.M.–10:00 P.M.	Taft
Task Force on Knowledge and Skills	Monday, May 18	3:30 P.M.–4:30 P.M.	Kansas
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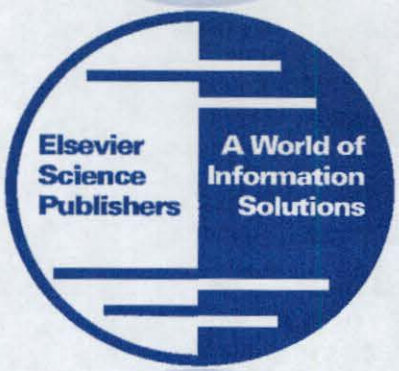

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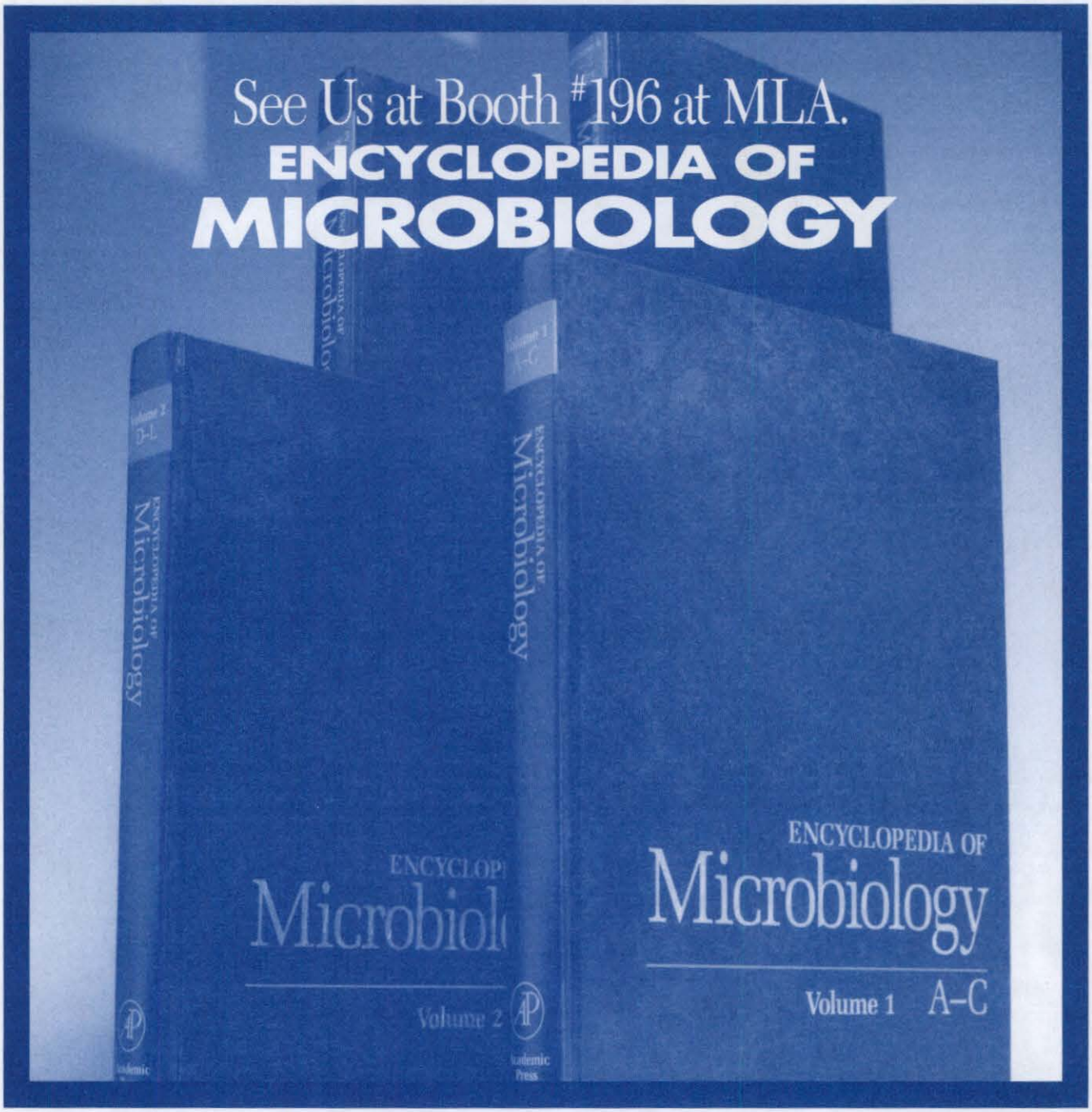

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◆ PARLIAMENTARY PROCEDURES ◆

Parliamentary rules are established to aid organizations in the orderly, expeditious, and equitable accomplishment of business. Because order and good will are essential to working together and achieving common goals, it is essential that association members understand parliamentary procedure. The following overview is a guide to participating in business meetings of the Medical Library Association.

PARLIAMENTARY AUTHORITY

Article XIII of the 1992 revised bylaws of the Medical Library Association provides that rules in the 1990 edition of *Robert's Rules of Order Newly Revised* shall govern the association in all cases where they are applicable and in which they are not inconsistent with the bylaws of the association.

RULES OF THE ASSEMBLY

The following rules govern the conduct of MLA business meetings:

The Floor

When addressing the chair, the person desiring recognition moves to a microphone and gives proper identification, including name and institution, as well as city and state; only MLA members are permitted to speak on the floor of the assembly.

Motions and Resolutions

Main motions (those introducing new business) may be brought to the assembly only if written copies have been distributed at or before the meeting to each voting member present or by unanimous consent of voting members present. Resolutions are motions presented in formal form.

Debate

Debate is limited to two minutes for each speaker; no speaker may have the floor twice on the same question until all who wish to speak have spoken.

Quorum

A quorum of 250 voting members is required for the transaction of business. For purposes of determining a quorum, a person eligible to cast two votes is counted as two voting members.

Voting

To facilitate the counting of votes, voting paddles are provided to all eligible voters attending the annual meeting. Voting paddles are color-coded to distinguish between institutional and regular members. General consent may be used as a method of voting if there is no objection. Any of the foregoing rules may be suspended by a two-thirds vote.

UNDERSTANDING MOTIONS

Motions are classified according to their purposes and characteristics.

Main Motions

An original main motion brings a new substantive question before the assembly for consideration and action. An incidental main motion relates to other business of the assembly or its past or future action. Incidental main motions include motions to amend something previously adopted and to rescind.

Subsidiary Motions

These may alter the main motion and are related to it.

- Lay on the table (a temporary delay)
- Previous question (to stop debate)
- Limit or extend debate
- Postpone to a certain time
- Commit or refer to a committee
- Amend
- Postpone indefinitely (to kill)

Privileged Motions

These have no direct connection to the main motion. They are the highest ranking motions and are designed to take care of emergencies that arise in the assembly.

- Fix the time to which to adjourn—set an adjourned meeting
- Adjourn
- Recess
- Question of privilege
- Call for the orders of the day

Incidental Motions

These arise only incidentally out of business before the assembly. Most of these motions are not debatable and are handled as soon as they arise. Some incidental motions are

- Appeal from the decision of the chair
- Consider seriatim (consideration by paragraph)
- Division of the question
- Parliamentary inquiry
- Point of information
- Point of order
- Suspend the rules
- Withdraw a motion

Motions That Bring a Question Again before the Assembly

- Take from the table
- Reconsider
- Rescind or amend something previously adopted

PRECEDENCE OF MOTIONS

Precedence sets the priority of motions and the order in which they must be proposed and considered. Subsidiary and privileged motions are ranked in this descending order:

- Fix the time to which to adjourn (highest ranking)
- Adjourn
- Recess
- Question of privilege
- Call for the orders of the day
- Lay on the table
- Previous question
- Limit or extend debate
- Postpone to a certain time
- Commit or refer
- Amend
- Postpone indefinitely
- Main motion

Only those motions that are higher in rank than the pending motion are in order and may be made. For example, when the main motion and the motion to commit are pending, only motions of higher rank than commit may be moved.

FREQUENTLY USED MOTIONS

To approve action:
Move to accept, adopt, or ratify

To defer action:
Move to postpone to a definite time, refer to a committee, or lay on the table

To extend debate:
Move to extend debate

To introduce business:
Make a main motion
To kill a motion:
Move to postpone indefinitely
To limit debate:
Move to limit debate
To make a request:
Rise to a point of information, rise to a parliamentary inquiry, or rise to a question of privilege
To modify or change:
Move to amend by inserting, striking out, or inserting and striking out selected words
To object to a decision of the chair:
Move to appeal
To reconsider a vote:
Move to reconsider (you must have voted on the prevailing side the first time)
To refer a motion for more study:
Move to refer the motion to a committee
To repeal action:
Move to rescind
To suppress a question:
Move to postpone indefinitely or object to consideration. Object to consideration may be applied only to original main motions and must be moved before debate begins.

PROCEDURE FOR HANDLING A MAIN MOTION

1. The member goes to the microphone, waits to be recognized by the chair, addresses the chair, gives proper identification and states the motion, "I move that...," or "I rise to..." If the member stays at the microphone until the chair calls for debate, the maker will be the first member called upon to debate.
2. Another member without rising seconds the motion.
3. The chair restates the motion and calls for debate.
4. Members who want to debate the motion go to the microphone, wait to be recognized by the chair, then give the proper identification before beginning to debate.
5. When there is no further debate or debate is closed, the chair will take the vote, announce the vote, and declare what will happen as a result of the vote.

This parliamentary procedure outline is only a beginning guide. Detailed information on motions is found in *Robert's Rules of Order Newly Revised*, 1990 edition. Members are encouraged to ask the parliamentarian for assistance.

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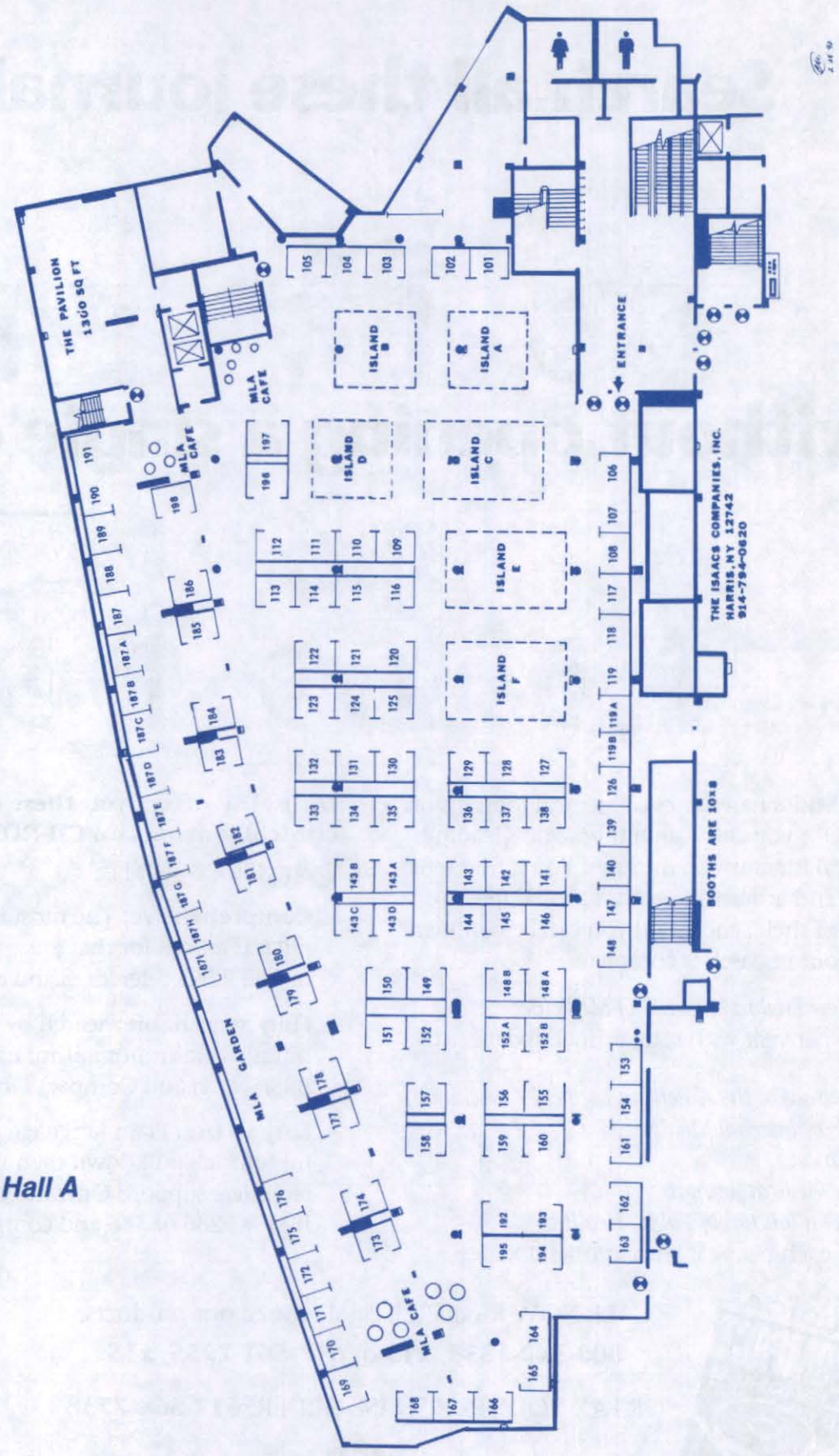

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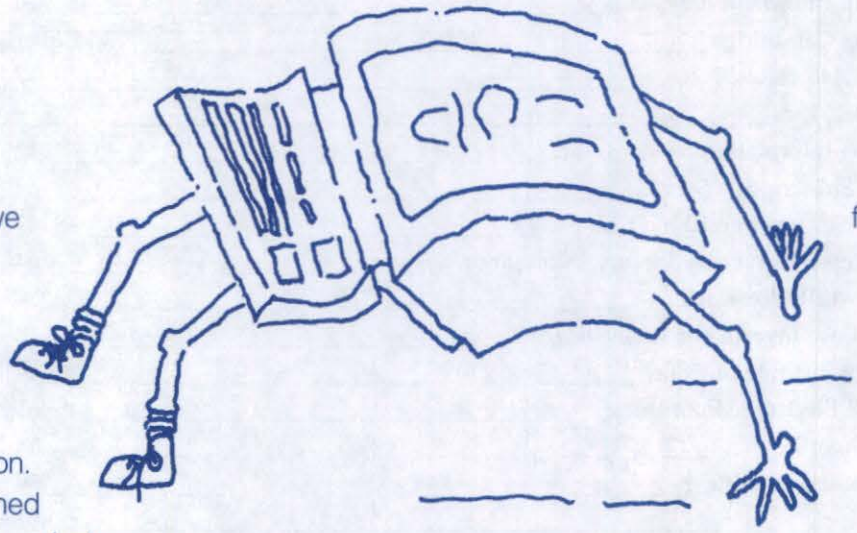

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POSTER SESSION I

MONDAY, MAY 18
3:30 P.M.–5:00 P.M.

A NETWORK LINKS LIBRARIES, DATABASES, KNOWLEDGE SYSTEMS.

Helen Bagdoyan, Naomi Broering, Jeffrey Hylton, Robert Larson.
Dahlgren Library, Georgetown University Med Ctr, Washington DC

Libraries and Information Centers of the next century will be expected to give users access to information resources that are stored "on line" rather than "on shelves." The Dahlgren Library, with an eye to the future, has established a new service, INTERNET LIBRARIES, for a consortium of libraries and users of the GEORGETOWN UNIVERSITY (TM) LIBRARY INFORMATION SYSTEM (LIS). Through INTERNET LIBRARIES, member institutions can search the GEORGETOWN KNOWLEDGE NETWORK of bibliographic, informational, diagnostic, research, and communications databases. The purpose is to give the 37-member libraries using the GEORGETOWN LIS an opportunity to share resources, broaden their biomedical knowledge bases, and distribute costs for expensive online systems. Consortium members also include other users of the LIS/IAIMS network. INTERNET LIBRARIES has the potential to link libraries in 12 states and the District of Columbia. In September 1991, four libraries were asked to participate in a 3-month pilot project to evaluate the feasibility of using Internet to access the GEORGETOWN KNOWLEDGE NETWORK. A test procedure was established; the four libraries were asked to provide feedback on ease of use, speed of access, and quality of the databases searched. Once the pilot project was evaluated, the service was opened to the LIS/IAIMS libraries. Georgetown will present steps taken to establish the INTERNET LIBRARIES service and will profile its use.

Helen E. Bagdoyan, Associate Librarian for Planning and Database Development, Dahlgren Memorial Library, Georgetown University Medical Center, 3900 Reservoir Road, N.W., Washington, D.C. 20007.

AN APPROACH TO SERIAL CANCELLATION DECISIONS: USING SUBJECTIVE FACULTY INPUT AND QUANTITATIVE DATE

JoAnn Bell, Ph.D., Director, Melissa Nasea, Serials Librarian, and Susan Speer, Audiovisual Informatics Librarian, Health Sciences Library, East Carolina University, Greenville, NC

Librarians continue to struggle with shrinking budgets and rising subscription rates. Faced with the necessity of canceling approximately 20% of its subscriptions, the HSL wanted to design a process which would accomplish the primary goal of identifying titles for cancellation while maintaining faculty confidence in the library.

Records of internal and external journal use were analyzed to identify low-use titles. Departments were asked to rate the importance of every title on a subset of low-use titles specific to their discipline. They were also allowed to rate any other title on the low-use list. These data were analyzed and approximately 395 titles were removed from the list because departments considered them absolutely essential to their programs. Cost data were combined with use and ranking data to identify a list of titles to be cancelled. Departments were required to write a detailed justification if they desired any of these titles be retained. The library considered the justification, citation impact, indexing, and cost data in deciding whether to retain challenged titles.

376 titles were canceled resulting in a savings of approximately $80,735. Although concerned about the need to cancel subscriptions, faculty indicated that the process provided them with ample opportunity for input.

CIRCUIT NAVIGATION: THE WNYLRC HOSPITAL LIBRARY SERVICES PROGRAM

Linda Birkinbine, Coordinator; Karen Buchinger, Circuit Librarian; Dawn Littleton, Circuit Librarian; Hospital Library Services Program, Abbott Hall, State University of New York at Buffalo, Buffalo, NY.

The Circuit Hospital Program is the outreach component of the Western New York Library Resources Council's Hospital Library Services Program (HLSP). This ongoing program is designed to meet the information needs of hospital administrative, medical, nursing, allied health and ancillary staff and has been funded since 1982 by an annual grant from the New York State Department of Education and hospital participation fees.

During the 1991/1992 program year, 18 participating hospitals received regularly scheduled, documented, consultative circuit librarian visits, a collection development grant, and a grant for contract services. The Hospital Library Services Program contracts with the State University of New York at Buffalo's Health Sciences Library, a resource library in the National Network of Libraries of Medicine, to provide computerized literature searches, interlibrary loan (ILL) of journal articles, books, and audiovisuals; and ILL referrals.

BIBLIOGRAPHIC INSTRUCTION FOR STUDENTS IN THE HEALTH CARE PROFESSIONS: A COORDINATED, ORGANIZED PLAN

Judy Burnham, Information Services Librarian, Biomedical Library, University of South Alabama, Mobile, AL.

Because of the information explosion in the field of medicine, it is necessary for students in the health care professions to become lifelong learners and capable library consumers. Therefore, bibliographic instruction is an important component of the educational process for these students.

The purpose of this project is to outline a coordinated, organized plan of bibliographic instruction that was created for students in the Colleges of Medicine, Nursing and Allied Health Professions at the University of South Alabama. A plan was developed and submitted to administrators in these three colleges. By working within the academic system at the University, the plan was adopted, implemented and later revised. The result is a design for integrated bibliographic instruction that strives to eliminate gaps and overlaps in the information management education of the students in the health care professions.

Judy Burnham, Biomedical Library, University of South Alabama, Mobile, AL 36688

PUBLIC RELATIONS IDEAS FOR THE SMALL LIBRARY - Linda C. Butson, Associate Director, Information and Media Services, Mountain AHEC, 501 Biltmore Ave., Asheville, NC 28801.

Public relations and marketing are important for libraries to maintain library patron support. Marketing the library and its services need not be an expensive or time consuming task. One way to draw clients into the library is to engage them in activities that are fun for both clients and librarians and assist both clients and librarians in meeting their goals.

Mountain AHEC has tried several activities to make using our information and media services a fun experience for users and encourage continued use. There have been guessing games, rewards for completing surveys, book sales and technology demonstrations.

This experiential poster session will share some of the ideas we have used. They are home grown and would be inexpensive to duplicate in other libraries.

NATIONAL LIBRARY WEEK--IT'S NOT JUST FOR PUBLIC LIBRARIES ANY MORE!
Marilyn L. Daniels, Health Sciences Librarian, Latrobe Area Hospital, Latrobe, PA

In health care, quality care often hinges upon access to up-to-date information. One obvious source for that information is the medical library. That fact, however, is not always recognized by everyone in the organization. For that reason, promotion of library services becomes vital to increase usage and to maintain a high standard of care within the institution.

Sponsored by the American Library Association, National Library Week focuses the nation's attention on the importance of reading, the services that libraries have to offer, and the role that librarians play in promoting reading and providing access to information. Regardless of the types of libraries in which they work, librarians can use this time to attract patrons and highlight their library's unique benefits.

Each year the Health Sciences Library at Latrobe Area Hospital sponsors a week-long program of activities. These include daily contests, book and poster raffles, and giveaways.

The contests are designed to involve physicians, nurses, administrators, department managers, and other employees--all potential library users. In addition, they often acquaint hospital staff and employees with the library's resources and services. Last, but most important, they stimulate goodwill and create a relaxed, non-threatening atmosphere that invites patron participation and encourages future library use.

THE PULSE AND PLUSES OF CD PLUS PLUSNET2 AT THE UNIVERSITY OF TORONTO: TECHNICAL ISSUES AND ANSWERS
Marshall Clinton, University of Toronto Library and Cheryl Martin, Science & Medicine Library, University of Toronto, Toronto, Ontario, Canada

In November 1990 the University of Toronto Library began a 3-phase installation of CD Plus hardware and software to provide the University community with online access to four health science databases: MEDLINE, Health, CancerLit, and CINAHL. The system may be accessed from our 40 libraries at the University of Toronto, 26 affiliated teaching hospital libraries, and by dial and network links from student and faculty home and office computers.

Phase I of the project provided access to the MEDLINE database by 10 concurrent users, including 2 dial-in lines. Phase II involved the installation of the CD Plus PlusNet2 system which expanded the system to handle 50 concurrent users, including 20 dial-in lines. Passwords are assigned to library card holders and journal locations are shown on the system. Phase III involves a developmental program with CD Plus.

This poster session will explore the hows and whys of this installation. It should be of interest to anyone who will be setting up a similar network, or is intrigued by a network of this magnitude. Marshall Clinton, Associate Librarian, University of Toronto Library, Toronto, Ontario, Canada M5S 1A1

DUPLICATE DETECTION IN THE OCLC DATABASE
Ann T. Dodson, Director, Special Library Programs, OCLC, Inc., 6565 Frantz Road, Dublin, OH 43017

OCLC is implementing an automated, behind-the-scenes software process called Duplicate Detection and Resolution (DDR). This process identifies, evaluates, and merges pairs of duplicate book records and reports problematic pairs for manual review. Health sciences users will be interested in the handling of National Library of Medicine (NLM) book records, particularly the choice of retained record and the transfer of specific medical fields.

The selection process for the retained record is based on encoding level and record source. The first choice is a full-level Library of Congress (DLC) record; second choice is a full-level NLM record. A full-level NLM record can be replaced only by a full-level DLC record. Less-than-full level NLM records can be merged to other records, including DLC, or retained.

After selecting a preferred record, specific NLM fields are conserved by their transfer to the retained record. The NLM call number (060), CATLINE number (069), and medical subject headings (6xx 2) transfer if these tags are not present already in the retained record.

Reducing duplicate records reduces OCLC member costs for cataloging, resource sharing, and reference services. It improves searching precision, consolidates holdings on a single record, and presents more descriptive data in the retained record. The resulting enriched record requires less editing during cataloging and minimizes the need to choose among records of varying encoding levels. The preservation of NLM data remains an integral and important part of this project.

MICROFORM JOURNAL HOLDINGS FOR HOSPITAL LIBRARIES

Jacquelyn Gagne, M.L.S., Director of Medical Libraries, Group Health Cooperative, 200 15th Ave. E., Seattle, WA 98112

Hospital libraries can use microform journals to control the growing cost of shelving space required for current titles and adequate retrospective journal holdings. A cost-effective approach is to select the titles to be included in a microform collection and set a date to begin simultaneous purchase of both microform and hardcopy subscriptions for each title chosen. This eliminates the high cost of backfile purchasing and affords the hospital library a conversion to microform backfiles over time. Evaluation of any kind of microform journal program should consider: availability and cost of space, future needs of the library, binding costs, collection development, microform formats, equipment and supplies, title selection, titles available in microform, and overall cost comparisons.

MLA JOURNAL CLUB IN HAWAII

Beula B. Horak, Head of Reference Services, Hawaii Medical Library, Honolulu HI, Claire Hamasu, Reference Librarian, Hawaii Medical Library, Honolulu HI, Virginia M. Tanji, School of Public Health Library, University of Hawaii, Honolulu HI.

The Hawaii Chapter of MLA (Medical Library Group of Hawaii) was one of three Chapters to pilot an MLA Journal Club project in 1991. Professional groups such as physicians regularly participate in journal clubs but it is not widely used in the library profession. A journal club format for continuing education credit has the advantage of being inexpensive and flexible, but it requires initiative and organization and a time commitment over a period of weeks or months.

An initial survey of local chapter members showed high enthusiasm and many members indicated that they planned to participate. Hawaii journal club participants learned the "mechanics" of the journal club, including convener role and responsibilities, meeting schedules, and paperwork flow to ensure MLA CE credit.

Although participation was not as high as initially indicated, some interesting journal clubs were formed with satisfying results More groups are planning future journal clubs. Written evaluations submitted to MLA and personal interviews indicate that participants were satisfied with the content and format of the journal club and that the reading, discussions and conclusions have made a positive impact on their professional lives. Our Chapter has found the Journal Club to be a valuable form of CE and highly recommends it to other MLA members.

B. Horak, Hawaii Medical Library, 1221 Punchbowl St., Honolulu HI 96813

INTERLIBRARY LOAN REQUEST SOURCE OF REFERENCE SURVEY

Clare Leibfarth, Catalog Librarian, Northeastern Ohio Universities College of Medicine, Rootstown, OH

Recently, the Ocasek Regional Medical Information Center has begun providing increased end-user access to bibliographic databases. Research in other academic libraries has shown that provision of end-user searching has been accompanied by an increase in interlibrary loan requests from the library's patrons. The Source of Reference Survey was initiated to determine if the anticipated increase in interlibrary loan requests is related directly to increased end-user searching.

In January, 1991, redesigned in-house interlibrary loan request forms were made available featuring check boxes the requesting patron could use to indicate the source of the requested book or article. The reference source categories listed on the form include end-user products available through the Information Center, as well as traditional reference sources. Source of reference data from all forms submitted during the first year of the study will be tabulated and related to trends in interlibrary loan volume and database usage on a month-by-month basis. The results of this analysis will be used to improve access to useful end-user products.

Clare Leibfarth, Catalog Librarian, Ocasek Regional Medical Information Center, Northeastern Ohio Universities College of Medicine, P.O. Box 95, Rootstown, OH 44272

COMPUTER LITERACY - A JOINT PROJECT OF THE LIBRARY AND THE DEPARTMENT OF COMPUTER MEDICINE - Jonathan Merril, Anne Linton, Barbara Collins, Karyn Pomerantz, and Thomas Piemme, The George Washington University Medical Center, Washington, DC

This poster will illustrate the joint efforts of two Medical Center Departments to ensure that students can demonstrate a minimum level of computer skills prior to beginning their clinical rotations. A previous computer requirement was loosely written and implemented in a variety of ways by faculty. This computer skills curriculum was revised in the spring of 1991 to: 1) standardize tasks completed by students, 2) complement assignments given to students in anatomy, pathology, and microbiology classes, and 3) emphasize skills needed by clinicians. Areas emphasized include word processing, electronic mail, literature searching, and the basics of Dos and Microsoft Windows. The computer literacy program consists of brief lectures, demonstrations, hands-on sessions, and workshops. Lectures are taught by the faculty of the Computer Medicine Department. Workshops, demonstrations and hands-on sessions are coordinated by Library staff and conducted in the Library's Computer Lab. This poster will describe the skills taught discuss why these particular skills were chosen, illustrate the development of a computer literacy guide book, and review the merits of the joint program.

Anne Linton, Associate Director, Information Instruction and Media Services, Himmelfarb Health Sciences Library, The George Washington University Medical Center, 2300 Eye Street NW, Washington, DC 20037

HEALTHNET: AN INTEGRATED HEALTH INFORMATION, EDUCATION AND PATIENT CARE NETWORK - Mary Moore, Senior Associate Director, Public Services, Nancy Cammack, Information Services Librarian, and Richard Wood, Director of Libraries, Texas Tech Tech University Health Sciences Center Library, Lubbock, TX

HealthNet uses computer and communications technology to provide information transmission, health education, and patient care services to rural and other medically under-served areas in West Texas. It builds on existing outreach programs at Texas Tech University Health Sciences Center (TTUHSC), such as Texas Tech MEDNET, KARENET, Tech Link, and library information networks.

Texas Tech MEDNET uses satellite television to provide continuing health care information to rural practitioners, and also provides live video patient consultations to selected rural sites. KARENET uses computer technology to provide an automated health care record system, patient management protocols, and computer-assisted instruction. Tech Link provides interactive video among the four campuses of TTUHSC (Amarillo, El Paso, Lubbock, and Odessa). Its purpose is to serve as a teaching and administrative television network, and as a video backbone for Texas Tech MEDNET's rural consultation services. The Library of the Health Sciences provides outreach services to over 30 rural sites, computerized access to its holdings through LIS (Library Integrated System), and educational programs on information management. Complete integration of these systems will ultimately result in an IAIMS network for rural health care.

VITAL SIGNS-CORNELL MEDICAL LIBRARY ONLINE NETWORK
Octavio Morales; Head, Computer Services; helen-ann brown, Head Library Relations; Samuel J Wood Library/C V Starr Biomedical Information Center, Cornell University Medical College; 1300 York Avenue; NY NY 10021-4896

Vital Signs, The Cornell Medical Library Online Network is available 24 hours a day. It is mounted on terminals in the Library and throughout NYH-CMC. You can also dial into Vital Signs.

Users are met by a greeting screen and then advance to a 6 item Main Menu. STAT lists important announcements. Ongoing library news is reported in Hx & Px. LIS and miniMEDLINE is option #3 on the Main Menu. You can check our book and journal holdings as well as other CORNET libraries and do MEDLINE searches within our customized database.

The Orders Section lets you recommend book, computer software, audiovisual and journal purchases, request a literature search, ask a reference question, request an interlibrary loan or request a photocopy. In Rx you can leave comments, concerns and kudos. Exiting Vital Signs is the last option.

Behind the scenes the Vital Signs Management Program recognizes our different kinds of users, processes transactions and allows staff to notify patrons on the status of his/her requests.

Vital Signs is working to further the Cornell Medical Library's dedication to supplying 24 hour access to information sources for improving health care, medical education and biomedical research.

MLA NEWS EVALUATION SURVEY RESULTS
Kathryn Nesbit, Education Librarian, Edward G. Miner Library, University of Rochester, Rochester, NY; and Ellen R. Cooper, Librarian, Research Information Center, Solvay Pharmaceuticals, Marietta, GA.

The MLA News Evaluation Committee conducted a survey in the Fall of 1991 to evaluate reader satisfaction with the association's newsletter. A questionnaire was mailed to a random sample of 500 MLA members and responses were received from almost 50%. The results were tabulated and this poster presents a graphic review using charts to show examples of the questions that were surveyed and the responses and were received from the participants.

Kathryn Nesbit, Edward G. Miner Library, University of Rochester, 601 Elmwood Avenue, Rochester, NY 14642.

OHIOLINK--OHIO'S NEW STATEWIDE INFORMATION SYSTEM
Jean Sayre, Director and Chief Medical Librarian, Oliver Ocasek Regional Medical Information Center, Northeastern Ohio Universities College of Medicine, Rootstown, OH, and Phyllis Self, Director, Health Sciences Library, University of Cincinnati, Cincinnati, OH

The Tventy-first Century will come to Ohio's citizens eight years early in 1992 with the advent of a statewide information system that will be the most poverful in the world. To be known as the Ohio Library and Information Network (OhioLINK), the nev system will offer the most effective tool yet created for finding and retrieving printed and electronic information. Through the use of leading-edge computer technologies, Ohio's major university libraries vill appear to users as a single resource comprising more than 20 million volumes. OhioLINK vill also provide unparalleled access to the rapidly increasing array of information sources available in electronic formats.

OhioLINK requires a major commitment from all participants in the project. Seven academic health sciences libraries are part of the project and have been instrumental in the planning and governance processes. The poster session vill describe the OhioLINK system, the role of the health sciences libraries in the project and the problems arising from participating in a statevide system.
Jean Sayre, Director and Chief Medical Librarian, Oliver Ocasek Regional Medical Information Center, Northeastern Ohio Universities College of Medicine, P.O. Box 95, Rootstown, OH 45272-0095

MEDSTATS: AN EXPERT SYSTEM FOR LOCATING MEDICAL STATISTICS
Kristine Scannell, Supervisory Librarian, Reference Section, National Library of Medicine, Bethesda, MD.

MEDSTATS was developed by the Reference Section of the National Library of Medicine (NLM) to assist librarians and patrons in locating bibliographic sources of medical statistics. The purpose of the project was to develop an expert system for reference assistance which could be built by utilizing commercially available software.

The MEDSTATS system is made up of three parts: the expert system shell; a database of sources; and a program which actually searches the database for codes identified by questions asked when running the shell. Commercial software was used in developing MEDSTATS and the database is based on the NLM collection. Staff members reviewed over 6,000 books and reports to identify 1,918 records currently in the database. The database has been updated on a yearly basis during the project and will continue to be updated on this schedule.

MEDSTATS has been in use in the Reading Room at NLM for over two years with additions of sections as they were completed. It is accessed by patrons at the same terminals as the CD-ROM network. Most patrons do not realize the difference between the two systems but comment on the easily understood question method used in MEDSTATS. The Reference staff feels that MEDSTATS has enhanced the retrieval of medical statistical information at NLM.
Kristine Scannell, National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894

USING A SPREADSHEET PROGRAM TO RATIONALIZE A JOURNAL COLLECTION
Linda C. Stanley, College Librarian, Charles E. Krausz Library, Pennsylvania College of Podiatric Medicine, Philadelphia, PA.

The current journal subscriptions of the Charles E. Krausz Library have been entered into SUPERCALC 5 a LOTUS 123 compatible spreadsheet program. The journals have been grouped according to subject classification using JOURNALS INDEXED IN INDEX MEDICUS and current prices are entered. Approximately 300 journal titles were entered in 35 subject areas. The initial information came from the subscription vendor's renewal form, and then items ordered separately were added in. Totals and percentages are calculated by each subject group against the overall total expenditure for journal subscriptions.

For the Krausz Library's purposes it is important to identify percentages of the collection for the departments of Biological Sciences, Medicine, Orthopedics, and Surgery. Therefore the 35 subject area totals were regrouped into one of these four larger groups with reference and recreational reading materials kept separate. Such calculations are simple to perform in a spreadsheet program. Totals can instantly be moved from cell to cell or reorganized by adding different cells together.

The advantage of this program is that once data is entered it can be edited, deleted, or new titles added, but the math formulas are permanent and just recalculate the changes. This program was set up to assist in both selection and deselection of journal titles by showing in numbers of titles and cost, how funds were allocated by subject area and department. Copies of this report, including graphs, are made available to the faculty annually.

ACCESSING THE RESOURCES OF THE INTERNATIONAL COMPUTER NETWORKS
Nancy Start, Assistant Librarian, Health Sciences Library, University at Buffalo, Buffalo, NY 14214

Two international computer networks, BITNET and the Internet, provide access to a wealth of information for medical librarians. Librarians can tap into these sources or steer the end-user toward them. Resources of interest to medical and library professionals include: data banks, such as GenBank; discussion groups, such as MEDLIB-L (the Medical Libraries Discussion List) or MEDIMAGE (Medical Imaging Discussion List); and electronic serials, such as the Information Retrieval Digest.

Tracking down what is out there can stymie both new and experienced network users. A "definitive" listing of resources accessible through the networks is not available, but several helpful sources will be profiled. Network users can retrieve listings of discussion groups, online catalogs and electronic serials. The Internet Resources Guide, a regularly updated electronic file, describes many of the resources available through the Internet.

Finally, for those librarians who are not already connected to a network, many possible routes exist for gaining access. A hospital's affiliation with an academic institution may allow the librarian to dial-in to the affiliate's computer and then out to the networks. Other possibilities for access include commercial e-mail services and FidoNet, a cooperative international network. For librarians who want access, the connections can be found or forged.

CD-ROM VS. MEDLARS: WHICH IS MORE EFFICIENT FOR THE EXPERIENCED ONLINE SEARCHER? - JoLinda L. Thompson, Reference Librarian, Moorman Memorial Library, Eastern Virginia Medical School, Norfolk, VA

A time study run at Moorman Memorial Library, Eastern Virginia Medical School, compared the time required to run MEDLINE searches via MEDLARS and the networked SilverPlatter CD-ROM version available at the library. Data was collected for fifty searches run by three experienced online searchers. The data collected allowed comparisons between several types of searches including author bibliography, subject, and searches with or without explodable MeSH subject headings. The results revealed that equivalent searches on the networked CD-ROM version of MEDLINE took 4 times longer than searches via MEDLARS. The mean search time for all MEDLARS searches was 4.22 minutes versus 19 minutes for searches via CD-ROM. Differences in search time were least for author searches (3.33 minutes for MEDLARS, 6.3 for CD-ROM) and greatest for subject searches with explodable terms (5.22 minutes for MEDLARS, 2.77 for CD-ROM).

Study results indicated that it is more efficient to run the majority of library mediated MEDLINE searches on MEDLARS instead of the networked CD-ROM version available to the public at EVMS. This should not affect CD-ROM usage at the library since it was purchased for and is primarily used by end-users. However, it does reinforce the need for access to online systems like MEDLARS for the professional search staff.

JoLinda L. Thompson, Reference Librarian, Moorman Memorial Library, Eastern Virginia Medical School, P.O. Box 1980, Norfolk, VA 23501

FOUR GREAT DEBATES: CONTRIBUTED PAPERS AND PANELS 1–4

TUESDAY, MAY 19
1:30 P.M.–3:30 P.M.

THE OUTREACH COMPONENT FROM REGIONAL AND NATIONAL PERSPECTIVES

Joan Ash, Planning and IAIMS Coordinator; Steve Teich, Outreach Coordinator, Biomedical Information Communications Center, Oregon Health Sciences University; Pamela Van Hine, Head Librarian and Associate Director; Kathie M. DeGeorges, IAIMS Coordinator, American College of Obstetricians and Gynecologists

This paper will define outreach from the IAIMS perspective and review how outreach activities have been implemented by NLM-funded IAIMS sites over the last ten years. IAIMS efforts with regional outreach components will be described, along the the national effort of ACOG. First, the paper will discuss how IAIMS has enhanced library outreach activities. Second, it will describe how IAIMS has served as a catalyst to integrate library and non-library outreach activities at universities, relating continuing medical education, the Office of Rural Health, AHEC's, and physician consultation services. Finally, taking a forward perspective, it will explore future roles of IAIMS outreach efforts in promoting information literacy and medical outcomes assessment and in supporting an organizational philosophy that incorporates outreach into all activities.

Joan Ash, Oregon Health Sciences University, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201-3098

IAIMS: TEN YEARS OF PROGRESS

Naomi C. Broering, Director, Biomedical Information Resources Center and Medical Center Librarian, John Vinton Dahlgren Memorial Library, Georgetown University Medical Center, Washington, DC

The IAIMS concept has become one of the most dramatic movements in medical libraries in the last fifty years. It began as a concept in 1982 with publications from the Association of American Medical Colleges (AAMC) and the National Library of Medicine (NLM). Over the past ten years, IAIMS has become a reality. IAIMS programs in more than twenty academic medical centers, a hospital and a medical society were funded by NLM. The purpose of this session is to highlight IAIMS over the past ten years with specific presentations on clinical, education and outreach extensions and to review the library's essential role. Finally a visionary "where to from here" discussion will be featured.

Naomi C. Broering, John Vinton Dahlgren Memorial Library, Georgetown University Medical Center, 3900 Reservoir Road N.W., Washington, DC 20007-2197

THE FAR SIDE OF REFERENCE SERVICES: REVOLUTION OR MALFUNCTION?

Katherine Branch, Head, Science Libraries, Yale University, and T. Scott Plutchak, Director, Medical Center Library, St. Louis University

This paper considers whether the many new services that libraries have introduced in the past decade will favorably revolutionize reference services or, alternatively, cause a fundamental malfunction in how we meet the basic information needs of their clientele. With the goal of improving services, medical libraries have sought to exploit the opportunities presented by new technologies. They have built customized databases for specific subgroups of clientele, created "user-friendly" electronic gateways to databases, offered personalized consultative services on retrieving and managing information, installed prototypes of knowledge workstations, developed information management education programs, repackaged and "quality-filtered" the results of mediated database searches, and honed and refined services such as LATCH and clinical medical librarian services. Simultaneously with these developments, many libraries have started staffing reference desks with non-librarians or simply ceased staffing the reference desk altogether.

How will we know whether we have gone far enough, or too far, in redefining reference services? Several innovative services will be described, focusing on why the services were introduced, why they succeeded or failed, and the implications of such services for the future.

CUSTOMER SERVICE MODELS AND QUALITY OF SERVICE

Jayne C. Campbell, Manager, Information & Online Services; Barbara Koehler, Collection Develpment & Document Distribution Manager
Welch Medical Library, The Johns Hopkins University, 1900 E. Monument Street, Baltimore, MD 21205

Customer service success stories from the business sector generally come from the companies that recognize the importance of understanding and managing customer expectations. Meeting expectations is a key component of successful customer service models that affects both the quality of service and customer satisfaction. It is reasonable to speculate that some lessons from the business sector might be successfully applied in the library setting. For example, it is known that customers expect their service providers to be competent, honest, respectful and prompt. Assuming that library clientele possess similar expectations, steps must be taken to assure that the staff is adequately prepared to fulfill these expectations. The Welch Library has taken one step in this direction by formally adopting service guidelines for the library staff as well as a "bill of rights" for our clients. The development of these guidelines will be discussed. Other ways to incorporate lessons from the business sector into information services will be proposed.

PROFESSIONAL STANDARDS AND QUALITY OF SERVICE

David N. King, Assistant Professor, College of Library and Information Science, University of Kentucky, Lexington.

Social scientists have described several characteristics common to occupations that qualify as professions. Two are frequently agreed upon. First, professionals function with a large degree of autonomy in the exercise of their competencies, providing clientele the benefit of their expert specialized knowledge and training. Second, professionals take responsibility for governing themselves, establishing codes of ethics and other standards of quality of service, and assuring that their practitioners maintain the standards. Thus, professional autonomy necessarily entails responsibility and accountability.

This paper explores some of the complex issues concerning the quality of service provided by librarians. It considers the relationship between autonomy and responsibility, and raises difficult questions about accountability and professional self-governance. The lack of professional standards, or even consensus regarding what constitutes quality of service, leads to a host of problems, not only for librarians seeking to provide good service, but also for administrators, educators, researchers, and clientele. It is postulated that the inability to delineate a functional notion of quality of service derives primarily from ambiguity about the professional role of the librarian, and that the issue of "neutrality" is at the heart of this ambiguity.

The need to address the problem of quality of service and standards is among the most pressing in our evolving profession. Possible strategies for doing so are suggested.

THE IAIMS PROGRAM AND NATIONAL COMMUNICATIONS NETWORKS

Donald A. B. Lindberg, M.D., Director, National Library of Medicine, Bethesda, MD

The IAIMS program has been a big success. This is evidenced by the National Library of Medicine's evaluation of 70 carefully prepared applications from 40 institutions for funding in one or another phase of the program. Of these, 49 were approved. Of these, regrettably only 26 grants to 18 institutions actually received NLM funding for the programs. Beyond these numbers, the goal of the IAIMS program: planning for information systems across an entire institution, has been met with enthusiasm and has been extremely influential.

Ten years after the first IAIMS proposals there are changed circumstances. The major medical institutions are more receptive to the concepts of information and communications technology. To a greater extent they are investing in educational programs at their institutions to create a trained cadre of health care professionals with skills in these new areas. The major change, however, is the emergence of the national High Performance Computing and Communication initiative. Essentially this means that the individual institutional arrangements fostered and/or inspired by the IAIMS principles should now be attached to and integrated into the national communications network architecture. No doubt there are many new elements and features waiting for us in the future in association with this network. Specialized knowledge sources, distributed databases, and knowledge robots are examples of such new ideas.

Donald A. B. Lindberg, M.D., Director, National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894

IAIMS AND THE EDUCATIONAL PROCESS

Nancy M. Lorenzi, Ph.D., Associate Senior Vice President and Director, Medical Center Information and Communications, University of Cincinnati, Cincinnati, OH

All of the institutions who have undertaken the IAIMS effort indicate that IAIMS has an educational impact. This paper will present an overview of the IAIMS educational strategies and programs in all of the IAIMS institutions. The strategies and programs will be presented according to four topical areas: IAIMS effort targeted toward the undergraduate medical/nursing/pharmacy/dental etc. curricula; IAIMS effort and residency education; IAIMS effort and the ongoing education of faculty; and library training strategies and directives in the three previously mentioned areas.

Nancy M. Lorenzi, Ph.D., University of Cincinnati MCIC, 231 Bethesda Avenue, Cincinnati, OH 45267-0574

QUALITATIVE STUDY OF REFERENCE SERVICE IN SEVEN HEALTH SCIENCES LIBRARIES

Denise P. Radow, Associate, National Library of Medicine, Bethesda, MD 20894.

The purpose of this study was to test and evaluate a new methodology for assessing the quality of reference service in health sciences libraries. The study incorporated "naturalistic" methods in an unobtrusive evaluation of seven health sciences libraries.

Nine critical elements of reference service were identified and criteria established for their measurement. The research scenario involved a patient with a tentative diagnosis of endometriosis. In each library, the surrogate user consulted a reference librarian for information about the disease.

Both hospital and academic health sciences libraries were evaluated in the study. Quality of service and search results were generally highly rated; however, a significant number of librarians offered personal opinions, judgments or medical advice, or answered questions without referring to library sources.

In addition to reporting the specific results of the pilot study, this paper offers a critical analysis of the study's methodology, and proposes refinements for future qualitative studies.

PRICE TRENDS OF HEALTH SCIENCES LIBRARY MATERIALS (PANEL)
Moderator: Daniel T. Richards, Director of Biomedical Libraries, Dartmouth College, Hanover, NH; Speakers: Christine L. Bell, Director of Library Services, Newton-Wellesley Hospital, Newton Lower Falls, MA; Stephen J. Giglio, Director, Medical Information Services Division, The Faxon Company, Westwood, MA; Linda Ann Hulbert, Assistant Director for Technical Services, Medical Center Library, St. Louis University, St. Louis, MO; Leonard Schrift, President, Ballen Booksellers International, Inc., Hauppauge, NY.

The development of responsive health sciences library collections has been profoundly altered by factors influencing prices for library materials. Among the influences are the devaluation of the $US, a general erosion of library purchasing power in the publishing marketplace, a decrease in the number of copies of newly published titles, a shift in acquisitions emphasis from predictive use to immediate use, a multiplicity of information formats from which to choose, an escalating level of interdisciplinary study and research in the health sciences, and increased library accountability within institutions.

Presentations in this invited paper session will focus on three topics: [1] up-to-date pricing information and changes for health sciences books and journals; [2] trends in pricing and the effect of those trends on health sciences libraries; and [3] alternative budget strategies for health sciences librarians. The 90-minute session will include four 15 minute presentations, two by representatives from a bookseller and a serials agent, and two by health sciences librarians, one each from a hospital library and an academic medical library; following the presentations will be a 30 minute discussion session.

Co-sponsored by the Collection Development Section and the Publishing & Information Industries Relations Committee.

CLINICAL SYSTEMS IN IAIMS
Nancy K. Roderer, Acting Director, Augustus C. Long Health Sciences Library, Columbia University, New York, NY

In the health care environments in which most of the IAIMS programs take place, the clinical or hospital information system is a large and vital part of the institutional database. The level of attention devoted to building or enhancing clinical systems has varied significantly among the IAIMS sites. Developments at several IAIMS will be reviewed, and the major issues facing system developers will be discussed. Finally, the role of the library and of scholarly information systems in supporting clinical care will be explored.
Nancy K. Roderer, Augustus C. Long Health Sciences Library, Columbia University, 701 W. 168th Street, New York, NY 10032

VISIONING AND STRATEGIC PLANNING: WHEN YOU CHOOSE TO MAKE A DIFFERENCE
Patricia L. Thibodeau, Director and Linda C. Butson, Associate Director, Information and Media Services, Mountain AHEC, 501 Biltmore Ave., Asheville, NC 28801.

Planning for the future is essential for librarians. Librarians must assess future needs and with today's resources build collections and develop services to meet the demands of tomorrow. Too often limitations of time, staff size and budgets block our vision of what the future could or should be.

Visioning is a new and energetic approach to strategic planning. The process unleashes energy and encourages creativity among decision makers. Focusing on outcome, it enables librarians to "see" beyond existing constraints to develop a clear picture of what the library can be, what it could do and how it will serve in the future. Once a vision is created, traditional planning methods can be used to develop strategies to make the vision reality.

This workshop will present the visioning process and demonstrate some of its uses. The authors, who have used the process on local and statewide levels, will present the technique in an interactive group process. Workshop participants will learn the importance of visioning, its benefits, its "rules" and the steps to integrate visioning into traditional planning activities and implement the vision as a strategic plan.

POSTER SESSION II

TUESDAY, MAY 19
3:30 P.M.–5:00 P.M.

Patricia Gayle Alston, MLS, Health Education Specialist, U.S. Agency for Toxic Substances and Disease Registry, Atlanta, Gerogia.

To meet the mandates of environmental legislation, federal agencies such as the Agency for Toxic Substances and Disease Registry (ATSDR) produce many documents for the public domain. Hazardous Substances and Public Health, ATSDR's newsletter, provides a forum for the exchange of environmental health information. The Toxicological Profiles of hazardous substances found at National Priorities List sites contain chemical-specific information. Case Studies in Environmental Medicine is a series of self-instructional monographs for primary care practitioners. The Chemical Emergency Medical Management Guidelines are written for health professionals responding to chemical accidents. Examples of ATSDR's resources and other agencies' fact sheets, books, and tapes will be on display.

THE GENTLEMEN FROM MLA: AN INTRODUCTION TO 4 LEADERS OF THE MEDICAL LIBRARY ASSOCIATION BY THE ORAL HISTORY COMMITTEE

Billie Broaddus, Cincinnati Medical Heritage Center, University of Cincinnati, Cincinnati, OH; Dorothy Whitcomb, ret., University of Wisconsin, Madison, WI; Judith G. Robinson, University of Virginia, Charlottesville, VA.

The Oral History Committee continues the documentation of the development of the MLA organization through its program of interviewing the leaders of the organization featuring their contributions and their successes. The purpose of the exhibit is to stimulate interest in our history and to inform the MLA membership that the oral histories are available for research. In 1991, the Oral History Committee featured 3 of our most attractive and influential women leaders in the poster session at San Francisco. It was a hit! In 1992, it will be our delight to introduce 4 more leaders, this time our gentlemen, and show their importance to MLA. They are Scott Adams, Alfred N. Brandon, Frank Brad Rogers and Seymour Taine. Pictures from MLA archives, personal and institutional collections will illustrate the poster, short excerpts from the tapes allow us to hear their stories and a selection of the complete oral history will be on display for viewing.

Billie Broaddus, Director, Cincinnati Medical Heritage Center, University of Cincinnati, Cincinnati, OH 45267-0574

IMPACT OF PROBLEM-BASED LEARNING ON MEDICAL LIBRARIES

Judy Burnham, Information Services Librarian, and Spencer Marsh, Director, Biomedical Library, University of South Alabama, Mobile, AL.

To improve the education of physicians, a growing number of medical schools are incorporating problem-based learning (PBL) into the curriculum. The purpose of this project was to determine the impact of PBL on library resources and services.

A survey was mailed to the directors of all health sciences libraries in the United States and Canada whose institutions are members of the Association of Academic Health Sciences Library Directors.

Survey results revealed the extent to which schools have adopted PBL, and the roles of libraries and librarians in supporting it. The survey asked the responder to assess the involvement of library professionals in the development and implementation of the problem-based curriculum and the impact of PBL on library resources, services, budget, staffing, circulation, and gate count.

Judy Burnham, Biomedical Library, Room 312 Library Building, University of South Alabama, Mobile, AL 36688

INTEGRATION OF INTERACTIVE VIDEO TECHNOLOGY INTO NURSING EDUCATION: PROCESS AND OUTCOME - Mitchell Cahan, MLS, Manager of Nursing Services, The William H. Welch Library; Susan E. Appling, RN, MS, Instructor, School of Nursing, The Johns Hopkins University, Baltimore, Maryland.

Staff of the Welch Medical Library have developed a comprehensive program for the integration of scientific communication skills for nursing education at Johns Hopkins University. Although librarians have consistently worked closely with faculty in the development and use of information management systems, it was not until recently that integration of a leading edge technology into nursing education was begun. This paper will review the process by which interactive video disc (IVD) technology was first introduced, evaluated and integrated into the nursing educational process at Johns Hopkins University School of Nursing.

Additional efforts are underway to evaluate other software titles in the IVD format appropriate to not only other curricular needs but also relevant to the continuing educational needs of nurses within Johns Hopkins Hospital. Included in recent evaluations by faculty and staff were IVDs on cardiopulmonary resuscitation, labor and delivery and cardiac anatomy and physiology. Cost sharing strategies are presently being explored and may herald a unique opportunity to expand this new technology to a far larger nursing population.

A review of methods used to introduce, evlauate and integrate IVDs will be presented, with a preliminary assessment of IVD-user impact to follow.

Mitchell A. Cahan, William H. Welch Medical Library, The Johns Hopkins University, 1900 E. Monument Street, Baltimore, MD 21205

A COMMON-SENSE APPROACH TO PRESERVATION: PROFILE OF A PLAN

Frances L. Chen, Head of Serials Services, Health Sciences Library, The University of Arizona, Tucson, AZ; and Mark Sanders, Vice-President, Roswell Bookbinding, Phoenix, AZ.

This photo-essay outlines the steps taken to preserve the University of Arizona Health Sciences Library's collection of early medical imprints and rare books.

With limited resources, the project started with a 4-phase plan of operation. The initial collection assessment identifies items that require conservation treatment and divides them into 3 main categories. Items within each category are evaluated and appropriate cost-effective conservation measures are prescribed within developed budgetary parameters. The Library's part during the actual implementation phase includes the logistics of scheduling, special handling, and arrangement for insurance coverage. This presentation will explain and illustrate the various conservation methods and procedures used in the process. The cost of implementing this much needed project is documented. The project is then evaluated in terms of workmanship and adherence to budget allocations. Samples of restored items will be on display and handouts provided.

Frances L. Chen, Arizona health Sciences Library, 1501 N. Campbell Ave., Tucson, AZ 85724

COLLECTION DEVELOPMENT CHALLENGE: HOW AND WHERE TO OBTAIN CULTURALLY SENSITIVE AND EFFECTIVE HEALTH INFORMATION FOR MULTICULTURAL COMMUNITIES. Candace Ford, MLIS. Planetree Library at San Jose Medical Center, San Jose, CA.

The need for health and medical information produced for the low literate or non-English speaking patient is growing. Information in languages other than English is critical for the increasing population of recent immigrants from Latin America and Asian countries. Information in non-print formats is also needed for American-born persons whose reading and comprehension skills are not well developed.

The medical community has come to appreciate the role of patient information in effective medical treatment. Whether it is health promotion material meant to encourage behavior change or handouts to explain a test, procedure, or medication, relevant patient information can make a difference. To be truly understood and internalized, however, the instruction or explanation should be delivered not only in the language most familiar to the patient, but also couched in a format that relates to his or her own culture.

Publishers and video producers of health information in general have yet to keep up with the demand for such diverse health and medical information. Finding the best of these, learning their promotional language, establishing practical criteria for such material, assessing critiques from bilingual/bicultural reivew committees, etc.--all contribute to a unique collection useful to providers and patients alike.

The poster exhibit will include resource lists of suggested print and non-print suppliers as well as various samples of their materials. An annotated bibliography on the issues of cross-cultural medicine will also be available.

DEVELOPING A TOTAL QUALITY MANAGEMENT RESOURCE CENTER WITHIN A HOSPITAL LIBRARY

Jane Grosman, Library Services Director
Sutter Health
2800 L Street
Sacramento, California

Sutter Health is a multi-hospital system in Northern Calif that is implementing the Total Quality Management (TQM) Program at their various facilities. The purpose of this project was to develop a Total Quality Management Resource Center which would be a part of, and share physical space with the existing hospital library. In order to accomplish this task, a TQM problem solving process called a "Quality Action Team" was assembled. The Library Services Director was the team leader. The group met bimonthly using a process called FADE-FOCUS,ANALYZE,DEVELOP and EXECUTE-to achieve their goal. Methods used in the FADE process included literature searches, inventorying existing TQM resources, space planning, testing TQM software, creating and disseminating a questionnaire to assess interest and potential use of the Resource Center by Sutter Health Staff. The results of the questionnaire were very positive. The team collated results and prepared the Quality Action Team's final proposal for presentation to the TQM Steering Committee for review and critique. The final plan included proposals for budget and staffing, space requirements, collection development guidelines and installation of a TQM Bulletin Board. The Total Quality Management Resource Center is now a reality and successfully serves Sutter Health staff.

CHANGING TRENDS IN CONTINUING EDUCATION: RESULTS FROM SCC/MLA MEMBER SURVEYS

Deborah D. Halsted, Outreach Coordinator, National Network of Libraries of Medicine, South Central Region, Houston TX; Ellen T. Hanks, Senior Information Services, Briscoe Library, University of Texas Health Science Center, San Antonio, TX; Elaine F. Jones, Reference Librarian, Moody Medical Library, University of Texas Medical Branch, Galveston, TX; Billy L. Triplett, Assistant Director, Medical Center Library, Louisiana State University, Shreveport, LA

Results from continuing education surveys sent to SCC/MLA members from 1983 to 1990 indicate a number of trends and changes in the needs from continuing education in the SCC region. These trends and changes include: 1)learning styles, such as lecture, interactive groups, group discussions, hands-on, panels, discussions, etc.; 2) CE course knowledge levels, i.e., introductory vs. intermediate vs. advances; 3) subjects and fields of knowledge requested as courses to be offered at the annual SCC/MLA meeting; 4) importance of CE credit to SCC members and influence of the Academy of Health Professionals on continuing education.

Implications for the use of surveys in planning continuing education activities for SCC/MLA members will also be included.

Elaine F. Jones, Reference Librarian, Moody Medical Library, University of Texas Medical Branch, Galveston, TX 77550-2782

HEALTH SCIENCE INFORMATION CONSORTIUM OF TORONTO: MAKING A DIFFERENCE

Joan L. Leishman, Executive Director, Health Science Information Consortium of Toronto, Toronto, Ontario, Canada

The Health Science Information Consortium of Toronto was formed in 1990 and includes the University of Toronto and 36 hospital libraries.

During the last two years the Consortium has undertaken projects to promote sharing of resources and to link the libraries together in a formalized network. The libraries now have access to a continually updated union list of periodicals, are participants in the University of Toronto's CD Plus Medline Network, are involved in curriculum renewal planning with the Faculty of Medicine and are exploring new electronic options for interlibrary loan. Steps are being taken to promote collection rationalization in subject specialty areas and group discounts have been negotiated for products and services. In these and other endeavors, communication within the Consortium, participation by the members, working to standards and liaison with the broader health care community have been crucial to success.

Joan Leishman, Health Science Information Consortium, c/o Science & Medicine Library, University of Toronto, 7 King's College Circle, Toronto, Ont. Canada. M5S 1A5

GUS: GUARDIAN UTILIZATION STATISTICS - SOFTWARE TO TRACK COMPUTER USAGE
Sandra Clevesy, Director, Tedeschi Library and Information Center
Framingham Union Hospital, 115 Lincoln Street, Framingham, MA 01701

The Consortium for Information Resources (CIR) recognized the need to monitor usage of the public access computers in their libraries. Having determined that an automated system that met their requirements was not available, CIR developed, as a cooperative venture with a software company, GUS: Guardian Utilization Statistics. The software specifications, designed by librarians, include these features:

- Tracks utilization in one minute increments by user name, department, application, purpose of use, and duration
- Independent tracking of staff-mediated searches
- Swift self-registration by user - no passwords required
- Monitors remote access
- Automatic logoff of inactive equipment
- Performs detailed usage reports/graphs by department, staff utilization, frequency distribution, purpose, application
- Reports highest daily usage, peak hour/day of usage
- Exports data to spreadsheet, database or word processor
- Password-protected administrative functions, customized menus

GUS has been tested in libraries across the country and is available for purchase.

Library Affinity Groups Program at Brown University
Janet Crager and Frank Kellerman, Biomedical Reference Librarians, Tovah Reis, Medical Library Coordinator, Sciences Library, Box I, Brown University, Providence, Rhode Island 02912.

Affinity Groups at Brown University include 30 groups of students led by faculty members with special interests in topics such as literature and medicine, biomedical ethics, women's health, international health, and economics of health care delivery.

The library, involved with the Affinity Group Program since its beginning, has developed, evaluated and adapted its presentations depending on interests of the groups, and staff availability.

For Juniors, Index Medicus and MEDLINE have been the focus of instruction. For Seniors the session is *Beyond MEDLINE* - emphasizing sources providing legal, ethical, psychological and social insight to a medical question. Sessions given to the first and second year medical students are: *Personal File Manager*, *All You Should Know About the NNLM*, and Sources *of Information* for specific subjects. At each session a one page handout is given both for future use and to reinforce the information discussed.

Through the library component of the Affinity Group Program students learn that the library is not just a place to search for a specific reference as traditionally thought, but is a resource for solving a variety of problems. Few hard data are recorded in the literature on actual costs of library instruction; therefore, a log is kept which will be the basis for a cost-benefit analysis.

MACPAC - A COMPUTER-BASED, CHAPTER-WIDE SKILLS INVENTORY
Edward Dzierzak, Director, Health Science Libraries, Marshall University, Huntington, WV, Patricia Powell, Head Librarian, West Virginia University Health Sciences Center, Charleston, WV

MACPAC is a computer-based inventory of members' interests, talents, and expertise for the Mid-Atlantic Chapter. The inventory will provide a quick reference to a network of colleagues ready to act as meeting speakers, continuing education instructors, consultants, or simply members with similar interests or expertise.

MAC/MLA members will enter or update their interests and talents during the Annual MAC/MLA Meeting. At the end of the meeting each member will be provided with a diskette which contains the data and a search program. Members not attending the annual meeting can fill out a form for inclusion in the file and will receive an updated disk in return.

The search program will allow limiting the resulting list of members by skill, geographic area, and/or skill level. Printing of the resulting lists is available. Modification of the data is not allowed. MACPAC is menu-driven and requires little expertise to use effectively. The program will run on any IBM-compatible personal computer.

Edward Dzierzak, Director, Health Science Libraries, Marshall University, Huntington, WV 25755-9210

PARTNERS IN SERVICE: LIBRARY SUPPORT OF GEC
Min-Lin Emily Fang, Acting Coordinator for Reference Services; Karen Dahlen, Head, Information Services, Library of the Health Sciences, University of Illinois at Chicago; William Baldyga, DrPH, Exective Director, Illinois Geriatric Education Center, Chicago, IL.

Information needs of non-physician providers of health care services for the elderly are considerably different from physicians. In June'91 the Library's Information Services Department in cooperation with the Illinois Geriatric Education Center (IGEC), surveyed 128 participants of the Third Annual Summer IGEC Institute held on the Chicago Campus. The purpose of this survey was to better understand the inforamtion needs and the resources available to service planners, social workers, occupational and physical therapists, dieticians, nurses and programs directors.

About half of the respondents had quick access to information; and more than 60% said their information needs were related to delivery of care. These health care providers continue to rely on traditional channels to get information. Only 12% of the respondents use personal computers to communicate with colleaques. Respondents also identified resources that are difficult to obtain, such as specific regulations.

The poster session will pictorialize participants' backgrounds, including institutional affiliations and degrees. Priority topics of interest, resources used in daily work, average lenth spent in finding information, and use of selected resources, such as aging databases will be portrayed. The findings of this survey will enhance library collections and provide a better understanding of how service providers seek information. Emily Fang, LHS, UIC, 1750 W Polk, Chicago IL 60612

INSTALLATION OF A LOCAL AREA NETWORK FOR COMPUTER-ASSISTED INSTRUCTIONAL MATERIALS - Jim Kiesel, Anne Linton, and Barbara Collins, The George Washington University Medical Center, Washington, DC

The poster will illustrate the planning and implementation of a local area network (LAN) for a Library's Computer Lab. The LAN project was unique for two reasons. First, it was designed to improve student access to required CAI packages. Materials loaded on the network went far beyond the standard word processing packages to include case simulations, subject-specific software, and testing packages. Second, installation was done entirely in-house with the support of the Computer Medicine department. Points to be covered include the following: 1) documenting need for a LAN, 2) preparation of a planning document and selection of a network package, 3) installation of the LAN with an in-house staff, 4) problems encountered during installation, 5) solutions found, 6) current configuration of the LAN, and 7) user acceptance and evaluation of the LAN. Problems encountered in loading non-commercial software and ensuring file security with a large user pool will also be highlighted.

Anne Linton, Associate Director, Information, Instruction and Media Services, Himmelfarb Health Sciences Library, The George Washington University Medical Center, 2300 Eye Street NW, Washington, DC 20037

THE LIBRARY OF LIFE, LOVE & LAUGHTER: PROVIDING POSITIVE AND UPLIFTING RESOURCES

Jane Ann Potee, Director of Library Services, Ball Memorial Hospital, Muncie, Indiana.

Ball Memorial Hospital's Library of Life, Love & Laughter was established and is maintained to provide humorous, positive and uplifting materials to the hospital and community, which, in turn, can be a positive enhancement in people's lives.

The Library is a collection of materials dealing with positive thinking and humor. Books, audiotapes and videotapes form the core of the collection. Lectures, workshops and special events also are available to the community through the Library.

Located in Ball Hospital, the Library provides to patients portable Humor Carts, consisting of a VCR, monitor and other materials including humorous books. Catalogs of materials in the collection are available in each nursing unit. This service is available free of charge to Ball Hospital patients.

Numerous hospital department representatives and individuals from throughout the community make up the Library's Advisory Board. The Library has flexible weekday hours to meet the needs of patients and their families.

Through a four-phase plan, the Library has established and met various goals. They include organization and initiation of services within the hospital, extension of programs into the community, research and publication of humorous materials for the public.

LIBRARY OF LIFE, LOVE & LAUGHTER, 2401 University Ave Muncie, IN

GRATEFUL MED, LOANSOME DOC OUTREACH PROJECT IN CENTRAL PENNSYLVANIA

Susan M. Robishaw, Medical Reference Librarian, and Britain G. Roth, Director, Learning Resources, Geisinger Medical Center, Danville, PA

As a participant in NIH/NLM's Grateful Med Outreach Program, the Medical Library at Geisinger Medical Center implemented a project in rural central Pennsylvania directed at providing access to current medical literature. A total of 1,327 physicians affiliated with 23 hospitals practice in a 13 county area the size of the state of New Jersey.

The project encompassed 2 stages - demonstrations of Grateful Med, including Loansome Doc, at county medical society or hospital meetings; and installation and training in individual offices.

The 18 month project ended in March 1992. Statistics were collected for the number of Grateful Med software packages loaded, the number of document delivery items supplied by Geisinger Medical Center library to project participants, and the number of persons attending introductory training programs and/or follow-up programs.

Pre- and post-project surveys were distributed. The responses were analyzed to determine if rural central Pennsylvania physicians' methods of access to information and awareness of existing programs changed.

Susan M. Robishaw, Medical Reference Librarian, Geisinger Medical Center, Medical Library, 100 N. Academy Ave., Danville, PA 17822-2101.

THE ROCHESTER STUDY: SHARING THE GOOD NEWS

Bernie Todd Smith, Director of Library and Circuit Librarian Program, Werner Health Sciences Library, Rochester General Hospital, 1425 Portland Ave., Rochester, New York, 14610.

The purpose of the Rochester study was to explore the impact of library services on clinical decision-making. The results of study have been published in several sources.

The purpose of this poster session is to display the "media plan" that the author and other Rochester librarians devised to publicize the study -- in the Rochester area hospitals, in the world's scientific literature and in the mass media. The authors established publishing priorities including publication of the results in one major medical journal, in healthcare management publications and in the local press. In the poster session the authors display the following: a sample hospital display; a slide program that is used to present the study to various groups within the hospital; the Media Plan for disseminating the results of the study; copies of the publicity that the study has generated; the Final Report of the study; several publicity efforts, including newsletters and bookmarks.

HYPERCARD TUTORIAL FOR TEACHING THE LIBRARY'S ONLINE SYSTEM

Inhye Kim Son, Consultation Services Coordinator, and Anne Wood Humphries, Assistant Director for Information Services, The Claude Moore Health Sciences Library, University of Virginia, Charlottesville, VA

The Claude Moore Health Sciences Library at the University of Virginia has developed a tutorial on how to use the various modules of the Library Information System (LIS) using Hypercard on the Macintosh. The tutorial provides patrons with an alternative means of learning the system through computer-assisted instruction. The tutorial program consists of several modules including "how to search the Online Catalog by keywords", "how to search the Online Catalog by authors", "how to search the Journal List" and so on. The main menu allows the user to select tutorials on various LIS modules after welcoming the user to the Library.

One advantage of having a computer-assisted tutorial is that the user may get a basic introduction to the system during hours when the Reference staff is busy or not available. The Library plans to integrate the LIS tutorial with an Authorware-based guide to resources and services that is currently in development.

Inhye Kim Son, Consultation Services Coordinator, The Claude Moore Health Sciences Library, Box 234, Health Sciences Center, University of Virginia, Charlottesville, VA 22908.

THE LIBRARY ZONE: A LIBRARY ORIENTATION VIDEOTAPE

Katherine Stemmer, M.L.S., M.B.A., Director, Library and Audio Visual Services, Bridgeport Hospital; 267 Grant Street; Bridgeport, Connecticut 06610.

Library orientation programs in teaching institutions are a necessary evil. For the new resident orientation, the Library staff had a very limited time allotment in which to orient the audience as to what the Library had to offer, as well as its' rules and regulations. It was my past experience that the audience took a nap during the presentation. With that in mind, I, along with my Audio Visual Coordinator, set out to create an orientation video which would not only accomplish the goal of introducing the library to new patrons, but would also keep them awake. After much brainstorming, we decided to attempt humor and chose the "Twilight Zone" as the video's theme. As with all videos, a story board was prepared before any footage was shot. Once the "board" was completed, we searched for and found eager and willing talent among the hospital staff, doctors and nurses included. The end result was a twelve minute video which was humorous, but also got its' point across quite successfully (no one fell asleep). Reinforcement came in the form of a "new users'" library guide, which was distributed after the video was viewed.

RESPONSE TO A NEED: INSTITUTIONAL IMPLEMENTATION OF A CONSORTIUM/ NETWORK CONCEPT IN A LARGE MULTI LIBRARY SETTING.

Susanne Tabur, Assistant Head, Science & Medicine Library, University of Toronto, Toronto, Ontario, Canada.

The Toronto medical library community (University of Toronto Faculty of Medicine, its 26 affiliated teaching hospitals and their libraries, and the University of Toronto Library) traditionally functioned without formal links. In 1987 a process was initiated to strengthen the existing informal network and enhance services provided.

A needs assessment was conducted and paid for by all potential members. The recommendations were presented to potential members and their senior administrators, officials in the faculty of medicine, and others in the medical community over a 2 year period. With the great number of institutions involved and the lack of concrete links among them, agreement on final structure came about only through this lengthy consultative process.

A board of directors was convened, an interim management committee was formed and staff hired. The Health Science Information Consortium of Toronto is now functioning and a network (CD Plus PlusNet2 for MEDLINE and other databases for 50 concurrent users) is operational.

Susanne Tabur, Science & Medicine Library, University of Toronto, 7 King's College Circle, Toronto, Ontario, Canada, M5S 1A5

TEACHING MEDLINE IN THE CLINICAL EPIDEMIOLOGY PROGRAM AT THE UNIVERSITY OF TORONTO

Nancy Young, Science and Medicine Library, University of Toronto; Jennifer Bayne, Toronto Hospital; and Linda Devore, Mount Sinai Hospital, Toronto.

The University of Toronto Faculty of Medicine Subspecialization in Clinical Epidemiology invited 3 librarians to participate in their 1990 and 1991 summer and winter courses in clinical epidemiology.The course is a combined project of the Faculty of Medicine and its teaching hospitals. Each librarian taught 2 consecutive sessions for approximately 10 students. The first session outlined basic searching skills on MEDLINE using CDPlus. The students then chose an epidemiological problem which they searched on CDPlus themselves and submitted to the librarian before the next session. Their papers were worth 10% of their final grade. At the second session the librarian and a clinical epidemiologist discussed the results of each search with the group. The student motivation was high and the student evaluations of the course were very positive.

Nancy Young, Science and Medicine Library, University of Toronto, 7 King's College Circle, Toronto, Ont. M5S 1A5, Canada

CONTRIBUTED PAPER SESSIONS 5–8

TUESDAY, MAY 19
4:00 P.M.–6:00 P.M.

CLUB GRATEFUL MED OPENS IN MASSACHUSETTS

Elaine C. Alligood, MLS, Assistant Librarian for User Services, Countway Library of Medicine, Harvard University, Boston, MA.

The Outreach Project successfully completed an eight-month effort to train over 500 physicians across Massachusetts in using Grateful Med software. This software is used to access MEDLINE and other databases of the national Library of Medicine (NLM). The project targeted physicians in minority, rural, and underserved areas in an effort to bring the latest clinical information to the practice sites.

The Outreach Project team created a model outreach program, including trainer and trainee documentation, for health science librarians. Working with support from the Massachusetts Medical Society, the team created a direct mail campaign which was produced by the Society and resulted in an excellent initial response.

Outreach staff trained 40 Massachusetts health sciences librarians in an all-day "Train the Trainer" session in November 1990. Over 70 physician training programs were held all over the state in hospitals, clinics, schools and offices. Physician response was enthusiastic. One Physician said, "For someone who is computer-illiterate like myself you have completely changed my thinking on this subject and I now want to use Grateful Med. Thank you!"

CITATION AND QUOTATION ACCURACY IN THREE INFORMATION SCIENCE JOURNALS

Sharon S. Barten, M.L.S., Medical Librarian, Health Sciences Library; James T. Evans, M.D., Chief, Department of Surgery. Nassau County Medical Center, 2201 Hempstead Turnpike, East Meadow, NY 11554

The objective of this study is to assess whether librarians and information specialists cite references accurately and make appropriate conclusions in quoting in their own publications. Librarians and information specialists must be able to cite and quote accurately in order to teach others how to do the same. Future generations' access to the biomedical literature is emphasized in terms of the educational role librarians and information specialists need to play.

One hundred and fifty randomly selected citations from four issues of three information science journals (BMLA, JASIS, and Special Libraries) were compared with their original publications or a copy obtained on interlibrary loan. A Data Worksheet, from which results were tabulated and analyzed, was completed for each citation and quotation.

Results are given by individual journal title and by all three titles combined. Citation accuracy was measured by major and minor errors for bibliographic elements as previously described major errors being those that would affect ability of a patron to identify an item in order to locate it. Quotation errors were assigned by consensus. Error rates in each journal were unacceptably high, particularly when considering the educational nature of library & information science. Issues of ethics, peer review, and possible fraud are discussed.

DOCUMENT DELIVERY REQUESTS DIRECTLY FROM A UNIVERSITY-WIDE HEALTH INFORMATION NETWORK

Victor A. Basile; University Librarian; University of Medicine and Dentistry of New Jersey (UMDNJ).

A model statewide communication system, the University Libraries Health Information Network (ULHIN), funded by a grant from the National Library of Medicine, is allowing UMDNJ health care providers personal access to biomedical information .

The university's-statewide extended network on four campuses - Newark, Piscataway/New Brunswick, Camden and Stratford - links libraries with internet router/gateways. The hardware is connected through sub-channels on UMDNJ's wide area T1 system. The self-service bibliographic database, *miniMEDLINE*, and the other public access modules of ULHIN are described and discussed. The Document Delivery System, the last module to be implemented, integrates the UMDNJ Libraries' document delivery, interlibrary loans, and purchase recommendation functions. In the Document Delivery System, patrons may request delivery of a specific item or one found during a search of *miniMEDLINE* or the Online Public Catalog. Requests are reviewed by library staff, and filled either in-house or processed as interlibrary loans depending on the items' availability. The document delivery package provides documents directly to health professionals in a timely and cost-effective way.

Victor A. Basile; University Librarian; University of Medicine and Dentistry of New Jersey (UMDNJ); 110 Bergen Street; Newark, NJ 07103-2435.

INTERNET LIBRARIES: RESOURCE SHARING ACROSS THE NETWORK

Thomas G. Basler; Director of Libraries and Learning Resource Centers; Medical University of South Carolina.

This next decade, the 1990s, is considered the decade of "communications." The Internet should play a major role for libraries of all kinds in assuring this vision. The Internet has already opened up many future opportunities for resource sharing and may serve as the final link in allowing us to progress from the "electronic" library of today to the true concept of "networked libraries," as so often envisioned by library futurists.

The Internet, the forerunner of the National Research and Education Network (NREN), devoted to research and educational support, has already reached use level of 7 billion packets of information per month. Although there are questions of funding, operation and control there is anticipation of continued escalation in use and function.

Present library use, of this nation-wide electronic highway including simple electronic-mail, bulletin boards, catalog access, is only a preamble to the many opportunities it presents for the future. There are far more opportunities coming, and coming soon. During this year we should expect to find medical libraries relying on the Internet for regularly accessing each other's catalogs and databases as well as for the FAX transmission of the articles. This action will not be performed separately, but will occur easily and directly as a regular feature of locally installed Library Information Systems. The future would expect to find transmission of all library data including full-text, images and voice via this same method.

Thomas G. Basler; Medical University of South Carolina; 171 Ashley Avenue; Charleston, SC 29425-3001.

THE IMAGE WORKSTATION: INDEXING AND DELIVERING DIGITIZED IMAGES

Wilma A. Bass, MLS; Coordinator of Cataloging Systems; Georgetown University Medical Center, Washington, DC.

A possible component of the "networked library" will be the image workstation. X-rays, slides, or hard copy will be digitized and stored. These digitized images will be indexed and catalog records will be linked to each image. Existing cataloging standards must be expanded and revised to adapt to this new media. New indexing terms must be established to specifically indicate the details of each image. As these expanded databases develop and become a standard resource, librarians will need to keep abreast of new technological advances in order to provide patrons with information quickly and efficiently.

Wilma A. Bass; Dahlgren Memorial Library; Georgetown University Medical Center; 3900 Reservoir Rd, NW; Washington, DC 20007.

THE DEVELOPMENT OF A RURAL OUTREACH PROGRAM IN ALASKA

Judith Bendersky, Outreach Library Coordinator, Alaska Native Medical Center, Anchorage, AK.

The Alaska Native Medical Center received a Library Outreach Project Grant of $25,000 in 1991 to provide rural health care practitioners with access to the NLM. This paper describes the unique challenges of health care and health information transfer in Alaska. The background includes description of the native population and the health providers. There is discussion of how interest was piqued amongst healthcare providers, and how the Librarian and Physician collaborator planned for and implemented the grant. In this project, five remote regional hospitals were outfitted with computers and modems. The Outreach Librarian, based in Anchorage, made site visits for the purposes of installation and instruction in GRATEFUL MED. Electronic links with the Alaska Health Sciences Library were established, and complete document delivery is now a reality. The project is now being evaluated, and there are plans to enlarge upon the first project by choosing an additional five hospitals.

LEADING EDGE TECHNOLOGIES: BEYOND INTEGRATED LIBRARY SYSTEMS TO NETWORKED LIBRARIES

Naomi C. Broering, MLS, MA; Director, Biomedical Information Resources Center & Medical Center Librarian, Georgetown University Medical Center, Washington, DC.

The "Networked Library" is foreseen as the next major phase in the emergence of electronic libraries. The integrated library systems of the 1980s were only the beginning of library "high tech" activities; the 1990s will offer immense opportunities. Leading edge technologies, available today, make it possible to put library systems using a client/server approach in a network configuration. National networks such as Internet will be used to transmit library data and full-text. Computer workstations will provide seamless access to numerous information sources. And, library services will be expanded beyond anything previously imaginable.

Information technologies of the next decade include advanced communication systems and powerful, high speed computers capable of transferring images, voice and text. Library applications programs will include document delivery systems, digitized image collections, and new formats of information representation. Libraries will use networks to facilitate resource sharing, thereby creating large virtual libraries. These advances will result in accelerated services and innovative use of national networks.

The panel on "Leading Edge Technologies: Beyond Integrated Library Systems to Networked Libraries," will provide a peek into the future and the library world of tomorrow. Four presenters will discuss their experience with pilot projects using new technologies. They will raise issues pertinent to the librarian's role, technical services, image indexing and delivery of full text.

Naomi C. Broering; Georgetown University Medical Center; 3900 Reservoir Rd, NW; Washington, DC 20007.

ACCESS TO CURRENT RESEARCH LITERATURE: INFORMATION SEEKING BEHAVIOR OF FACULTY.

Karen Curtis, Julie Hurd, Ann Weller. Library of the Health Sciences; University of Illinois at Chicago; Chicago, IL.

The purpose of this study is to assess the needs of health sciences faculty by investigating their information seeking behavior in accessing research literature. Faculty's present use of some of the major indexes/databases such as MEDLINE, Current Contents, CINAHL, and others is explored. The hypothesis that major indexes are an integral part of accessing research literature was tested by the data obtained. The findings supply information on the type and frequency of use of these hard copy and electronic reference tools, and support acquisition related decisions.

A survey of the faculty of medicine, nursing, and pharmacy was used to collect baseline data for the future assessment of the impact of the availability of locally mounted databases. Information was collected on facultys' present use of indexes and databases, including formats used, vendors used, how research literature is obtained, and access methods.

The information seeking behavior of faculty in different disciplines was evaluated and provided data to assess and document the need for an innovative approach to the provision of access to research literature.

SERVICES TO UNAFFILIATED MENTAL HEALTH PROFESSIONALS: NETWORKING ROLES FOR AN ACADEMIC SPECIAL LIBRARY

Barbara A. Epstein, Library Director, Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania

This paper describes outreach services to two types of mental health clinicians: (1) those affiliated with regional community mental health centers and other agencies without defined access to library services, and (2) those affiliated with institutions or hospitals whose libraries contain limited collections of mental health materials. Outreach has been accomplished through the development of an institutional membership program which allows nonaffiliated clinicians to become eligible for library service. This program represents a unique collaboration between publicly-funded mental health agencies and hospitals and the state-related, private non-profit WPIC. This model could be applied to other settings.

Outreach to state hospital libraries has focused on supporting institutional cooperation, and serving as a resource to hospital libraries with severe financial constraints. In a pilot project, two state hospital libraries were provided with hardware to enable them to access the online public catalog at WPIC. WPIC Library also coordinated a successful LSCA Title III grant application to place telefacsimile machines in all state hospital libraries.

This paper considers the challenges of developing an outreach program in mental health, followed by a description of the development of the institutional membership concept. Finally, several components necessary to developing successful outreach programs are identified.

ETHICAL DILEMMAS: TECHNOLOGY AND BIOMEDICAL LIBRARIES

Sharon A. Keller, Head, Information Services Department; Lori J. Widzinski, Head, Media Resources Center, Health Sciences Library, State University of New York at Buffalo.

Biomedical libraries enthusiastically embrace new technologies for faster, more accurate access to information. As a result, ethical dilemmas are arising which need to be openly explored and discussed by health sciences librarians. The primary goal of this session is to bring forth controversial issues and generate discussion among colleagues. A presentation will be followed by discussion among session attendees. Focusing on academic biomedical libraries, background information on ethical theories will be presented and the effect of technology on access to information will be explored.

Access to information is considered, with emphasis on applying the existing copyright law to new technologies. Instituting fees to support technological advances brings librarians face-to face with ethical decision making. The quality of library services can be adversely impacted, and ultimately, the quality of research and patient care. Technology may also be forcing libraries to discriminate against those who are unable to pay for services. Collection development, publishers' control of electronic products, and quality of end-user searching are a few of the issues that will stimulate discussion.

LIS NET: A NEXT GENERATION HEALTH SCIENCES LIBRARY SYSTEM BASED ON CLIENT-SERVER ARCHITECTURE

Robert Larson, MLS: Assistant Director, Coordinator of Library Systems; Georgetown University Medical Center, Washington, DC.

It is necessary for hospitals and medical centers to automate their health science libraries with systems that can integrate easily into their clinical information systems. Stand-alone systems, incapable of networking, cannot meet the needs of a highly networked hospital. Physicians and nurses need remote access to medical literature from the clinical setting, home or office. Cost factors have been a deterrent to small libraries in hospitals that function on low budgets. LIS Net has emerged from the original Georgetown University Library Information System as a possible solution. This newest and most innovative addition to the LIS system provides not only a new low cost/high performance hardware platform, but also enhanced networking capabilities that allow multiple CPUs to share data and distribute work load. Coupled with the new platform is new workstation software which provides a graphical user interface into the familiar On-line Catalog, miniMEDLINE, and Alerts/Current Contents systems.

LIS Net, the next generation LIS software and hardware, is being implemented in the client-server model utilizing loosely coupled microcomputers as database servers with PCs and Macintosh microcomputers as client workstations. Network access is heavily integrated into LIS design to provide remote user access, to facilitate resource sharing among libraries, to provide timely updates of software, and to directly link library journal subscription and book agents. Leading edge technologies used in LIS functions including networking features, graphical interfaces and new system architecture will be described and shown with slides.

Robert Larson; Dahlgren Memorial Library; Georgetown University Medical Center, 3900 Reservoir Rd, NW; Washington, DC 20007.

ASSESSING HEALTH PROFESSIONALS INFORMATION NEEDS -- A CLARIFICATION

Lisa Ann Lo Vullo, Faith A. Meakin, and Laura A. Baird, National Network of Libraries of Medicine, Southeastern/Atlantic Region, Regional Medical Library, Health Sciences Library, University of Maryland, Baltimore, MD.

Compiling and publishing an annotated bibliography entitled *Assessing the Information Needs of Health Professionals* provided interesting insights into the difficulty of evaluating both the literature and the information needs that were being described. Ambiguities in vocabulary, non-compatible research methods, differences among the types of health professionals and multiple indexing sources contribute to the complex nature of such an undertaking.

The rationale for the publication stemmed from the Regional Medical Library's mission for outreach which requires direct work with health professionals and for work with the more than 900 libraries in the Region attempting to meet the broad goals of such initiatives.

This paper highlights the bibliographic finding of this project, and makes recommendations for a clearer terminology in the field of needs assessment. After reviewing the research that has been done on the subject, the authors identify areas that need more research.

Faith A. Meakin, Executive director, SE/A RML, Health Sciences Library, UMAB, 111 S. Greene St., Baltimore, MD 21201, 410/328-2855.

GETTING TO KNOW YOUR USERS AND THEIR NEEDS THROUGH LOANSOME DOC

Jean P. Shipman, Faith A. Meakin and Susan Bailey, National Network of Libraries of Medicine, Southeastern/Atlantic Region, Regional Medical Library, Health Sciences Library, University of Maryland at Baltimore, Baltimore, Maryland.

The Loansome Doc document delivery feature of Grateful Med provides librarians with more than just the opportunity to supply full-text documents to their users. This paper will address how Loansome Doc assists librarians in identifying their users and assessing their information needs.

Individual libraries can gather valuable information through profiling their Loansome Doc patrons. One of the most important is the identification of Grateful Med users as a target for promotional as well as educational activities. Through Loansome Doc, librarians can support the information needs of those they serve. They can determine the demographic and geographic composition of their users. They can also take the opportunity to educate Grateful Med users on search techniques, other information resources and additional services offered by the library.

While implementing the Loansome Doc service within the Southeastern/Atlantic Region of the National Network of Libraries of Medicine, the Regional Medical Library obtained a bird's eye view of the makeup of the "unaffiliated" population targeted by recent funding opportunities and outreach initiatives. A profile of this population and their needs will be presented.

Jean P. Shipman, Resources Management Coordinator, SE/A RML, Health Sciences Library, UMAB, 111 S. Greene St., Baltimore, MD 21201, 410/328-2855.

ETHICS AND MALPRACTICE IN HEALTH SCIENCES LIBRARIANSHIP

Judith G. Robinson, Associate Director for Technical Services, Claude Moore Health Sciences Library, University of Virginia.

The purpose of this presentation is to provide a grounding in the fundamental principles of malpractice law and then to relate these principles to the environment of health sciences librarianship. The relationship between professional ethics and the law related to professional responsibility will be discussed.

There is a continuum of responsibility related to any profession. The continuum begins with a personal commitment which becomes a professional ethical responsibility. If the continuum is disturbed by internal or external factors the possibility exists for the issue to exit the area of ethics (a set of moral values and principles) and enter the area of law (a rule of conduct enforced by a controlling body). Issues that have ethical as well as legal implications will be discussed including; nondiscrimination, confidentiality, competence and accountability.

Librarians are professionals and as our society becomes more information oriented, the information professional will face greater responsibility and accountability. In an increasingly technological and information intensive society those who manipulate the tools and therefore the information, will be held morally, if not legally, accountable for the power they possess.

Library, Box 234, UVA Health Sciences Center, Charlottesville, Va. 22908

USER NEEDS ASSESSMENT: A MULTIFACETED APPROACH

Diane G.Schwartz, Asst. Dir., Suzanne Grefsheim, Dir. Taubman Medical Library, University of Michigan, Ann Arbor, MI.

For the past two years the Alfred Taubman Medical Library, University of Michigan has been involved in an effort to identify the needs of its primary users, and to determine if existing collections, programs and services are effectively meeting those needs.

The process began in the Fall of 1990 when we took part in a series of University Library focus groups which included health science faculty and students. This was followed by a telephone survey The survey was designed to gain insight into attitudes toward all public service units with some feedback on specific units. Consequently meetings with deans, department chairs, chief residents and representatives of student groups from the three schools and hospitals to evaluate services were also arranged. To obtain a detailed profile of collection related needs, in the Spring of 1991 every member of the faculty of the schools of Medicine, Nursing and Pharmacy and related institutes was asked to submit a list of the 10-20 most important journals in their field. We used the results of the survey to identify new titles for the collection and, in conjunction with a year long journal use study, titles which could or could not be cancelled.

We believe these efforts have given us improved insight into the needs and priorities of the Library's primary users, while improving communication with them. The results obtained indicate that we need to reassess some service patterns, while reviewing the content and scheduling of programs, such as instruction, so that it more fully meets the needs of a greater number of users. As we face greater fiscal constraints in the years ahead, we believe such a program will make difficult decision making easier by having the information needed to make decisions, and the support of library users.

USING FOCUS GROUPS TO DETERMINE THE CURRENT AND FUTURE INFORMATION NEEDS OF THE LIFE SCIENCE COMMUNITY.

Michelle Solomon, Section Chief, Brian K. Sweet, Group Leader, Product Planning and Promotion Department, BIOSIS, 2100 Arch Street, Philadelphia, PA 19103-1399.

BIOSIS is using focus groups to determine the future information product and service needs of life scientists. Recent focus group participants from the academic and private sector indicated a need for user-friendly electronic services that are accessible from the home or office and which have intuitive help systems. For print products, participants wanted expanded coverage of monographs and meetings. Ideas generated in focus groups for new and enhanced products and services should be further analyzed using market research techniques yielding quantitative data.

Focus groups are also being used at BIOSIS to determine how scientists are obtaining information and using information services. Participants have described the life science research process and how it has changed. They also commented on the role information plays in the research process, described their information use patterns and indicated the need for better training for themselves and for new researchers and students.

The benefits of focus groups to information providers and to the markets they serve will also be discussed.

SHARING SESSIONS 1–4

TUESDAY, MAY 19
4:00 P.M.–6:00 P.M.

MARIAN, GET WITH THE PROGRAM! -- ROLES OF HEALTH SCIENCES LIBRARIANS
helen-ann brown, Head, Library Relations, Cornell Medical Library, New York, NY.

Aren't you tired of that WIMP, Marian the Librarian? Aren't you personally offended when you see her portrayed? So many of us have never fit that classic stereotype. Others of us have worked diligently to educate our library overseers and clientele of our knowledge and skills to deliver quality information to influence health care decisions. *Marion has got to get with the program!*

Through the use of role play we can further reinforce our well-fought-for power. Role play is also a proven way to influence the grooming of deservedly-so bold librarians in health sciences librarianship real life.

Practice is needed in the best way to accept additional responsibilities and simultaneously negotiate for more staff and more funds. We need to work on enlightening more traditional users on the value of the library as more than just a book and journal warehouse. We need to play out the role of the information resource serving on an organization-wide committee. Practice is also needed in convincing the Board of Trustees for the authority to coordinate efforts to apply for an IAIMS grant with the librarian as principal investigator.

Following each skit with a no-holds-barred debriefing will note effective techniques and allow for rousing discussion to improve others.

THE FINANCIAL SUPPORT FOR LIBRARY SERVICES PROVIDED BY UNIVERSITY-AFFILIATED TEACHING HOSPITALS Gary D. Byrd, Assistant Director, Health Sciences Library, University of North Carolina at Chapel Hill.

In spring 1991 a survey was mailed to, and additional statistical data was gathered for, 113 large U.S. teaching hospitals and their library resources to answer 2 questions: 1) what patterns of library budget support exist in these hospitals? and 2) what characteristics of these hospitals or their libraries correlate with lower or higher levels of library budget support?

The 84 survey responses were coded along with statistics gathered from several other sources. The resulting 34-variable dataset was analyzed using SAS software for statistical analysis. In addition to Chi-square and t-test analyses, 3 regression models were run, with hospital expenditures for library services as the dependent variable.

The results strongly suggest that other variables than those measured account for most of the variation in library budget support from large teaching hospitals. The regressions indicated that a less urban hospital location, established procedures for library budgeting (such as negotiations or a formula), and a hospital administrator who is comfortable with the budgeting process and outcome are all associated with higher library budgets. Thus, the working relationship between the hospital administration and library director is probably the strongest single factor in determining the level of library financial support from a large university-affiliated teaching hospital.

Gary Byrd, Health Sciences Library, CB #7585, UNC-CH, Chapel Hill, NC 27599-7585

THE CUSTOMER IS ALWAYS RIGHT: THE EVOLUTION OF A CLINICAL LIBRARY SERVICE Pat Ciejka, Chief Clinical Librarian, Moody Medical Library, University of Texas Medical Branch, Galveston, TX.

The Clinical Library Service was introduced at the University of Texas Medical Branch (UTMB) in August 1978, when the first clinical librarian started attending rounds and conferences in the division of urology. Nearly 14 years later, 15 UTMB departments and divisions are served by 3 full-time clinical librarians and a dedicated support staff. Demand for services has steadily increased despite the implementation in 1988 of a locally mounted MEDLINE database for end user searching.

Since the beginning, the clinical librarians have tailored services to meet the information needs of customers. The staff has always worked with clients toward the goal of quality products and quality services. By soliciting the comments and concerns of customers, the service has evolved into a one-stop library resource that offers accurate, speedy, and convenient information supporting patient care, research, publication, education, conference preparation, and grant submission. This paper reviews and shares the experiences of a program that has worked to meet the expressed needs of its clientele.

A NEW CLINICAL LIBRARIAN PROGRAM MEETS HOSPITAL INFORMATION NEEDS
University of Washington Medical Center Clinical Medical Librarian Program. Sherry Dodson, MLS, Clinical Medical Librarian, and Elaine Martin, MLS, Associate Director of Educational, Clinical and Research Services, Health Sciences Library and Information Center, University of Washington, Seattle, WA.

From 1973 to 1981 several reference librarians at the Health Sciences Library and Information Center attended rounds in selected departments. This is the first time in the history of the library that one reference position has been designated solely to provide for clinical needs. The intent of the new program is to provide patient care information at the bedside where patient management decisions are made, and to create a link between the library and the University of Washington Medical Center. The CML has piloted selected departments to attend rounds, listen for questions and provide appropriate information for case management decisions at the UWMC, a 377 bed hospital adjoining to the Health Sciences Library.

In addition to providing information for clinical needs, service has also been extended to administrative and management staff at UWMC. The CML has supported the Medical Center's CQI efforts by supplying relevant literature to the CQI teams.

Underlying all of these efforts is the educational role of the CML. By example and by direct teaching, the CML has attempted to influence the information seeking skills of UWMC's staff members. For instance, the CML has taught Medline on the UW Reference Library on units where clinical workstations have been placed and will work with the library staff to orient new residents.

CLINICAL LIBRARIANSHIP IS ALIVE AND WELL: WHY AND HOW IT HAS MADE A LASTING DIFFERENCE Gertrude Lamb, Ph.D., Hartford Hospital Clinical Librarian Program, Hartford, CT.

Twenty years have passed since the first medical librarian donned a lab coat, gathered up a pencil and note pad and, long before the first patron of the day entered the library, set off to round with a patient care team. Clinical librarian programs have grown and developed, and the clinical librarian is now an integral part of information delivery in many health care institutions. Clinical librarianship pioneered information transfer in patient care which assumed that the hospital librarian's continuing task was to discover and close gaps between what is known about good medical care and what the practitioner applies in his daily care of patients. These gaps are widening since all health professionals are having to deal with exponentially increasing information resources.

The pioneering program at Hartford Hospital has developed certain characteristics: 1) we "round" with the patient care teams, 2) respond to questions directly asked and perceived, 3) select information that would confirm or change the management of patient problems, and 4) deliver information to the patient care team in a timely and cost effective fashion.

We have learned, however, that clinical librarianship adapts to the information needs of its clientele and there are variations even among the Hartford Hospital programs. This panel explores the ability to adapt as the strength of clinical librarianship contributing to its longevity.

SHARED SERVICES MAKE A CLINICAL LIBRARIAN PROGRAM WORK IN A SMALL HOSPITAL Julie A. Lueders, Clinical Librarian, Newington Children's Hospital/Hartford Hospital, Hartford, CT.

The Newington Children's Hospital has a unique clinical librarian program founded through a cooperative venture with the Hartford Hospital Health Science Libraries. Begun in September 1989, the program supplants a traditional hospital library program with one based on the advantages of the clinical librarian's outreach to staff, supported by an atypical configuration of library services. Provided through this liaison are cataloging, technical processing and backup reference services.

As expected when a CML program is instituted, increases in searches, interlibrary loans and use of library materials followed. Interlibrary loan is greatly facilitated by placing only the Hartford Hospital libraries in the first Docline cell. An appeal to administration for increased resources brought a threefold increase in the book budget.

The CML's chief concern in launching the program at Newington Children's Hospital has been to provide quality-filtered literature which addresses specific diagnostic and therapeutic information needs in a cost-effective manner. In the effort to serve all patient populations, conferences attended range from eating disorders conference to developmental/behavioral child development rounds to orthopedic preop screenings.

This somewhat novel combination of a clinical library program and shared library services may become much more common as new patterns of cooperative services among healthcare institutions develop.

REVIEWING OUR FINANCIAL HEALTH

Dottie Spencer, Ph.D., Director, Kauffman Library, California School of Professional Psychology, Fresno and SEIC Chair and Editor of the 1992 Survey, Fresno, CA; Jett McCann, Greenblatt Library, Medical College of Georgia; and Gary D. Byrd, Assistant Director, Health Sciences Library, University of North Carolina at Chapel Hill, Chapel Hill, NC.

Report on the 1992 MLA Salary Survey. This presentation will report results of the 1992 survey of salaries of MLA members and discuss key findings as they represent the economic status of the membership. (Presented by Dorothy A. Spencer)

Report on the Allied Health Salaries Survey of the SEIC. This presentation will review the results of salary data collected from key Allied Health Professional Groups by the SEIC and review the implications of these findings on the "comparable worth" of MLA members compared to other allied health professional groups. (Presented by Jett McCann)

The Financial Support for Library Services Provided by University-Affiliated Teaching Hospitals. (Presented by Gary D. Byrd)

The session will conclude with an opportunity for attendees to ask questions of the SEIC and Mr. Byrd regarding these key financial findings.

WHITE HOUSE CONFERENCE ON LIBRARIES AND INFORMATION SERVICES (WHCLIS) 1991: EXPERIENCES, OBSERVATIONS, PROCESS AND RESULTS.

Candia Thew-Johnson, Director, George J. Farha Medical Library, University of Kansas School of Medicine-Wichita, Wichita, Kansas.

Those who participated in the second White House Conference on Libraries and Information Services (July 9 - 13, 1991) as well as those who were active on the various local, state and national levels leading to the Conference have many experiences and observations to share with members. Recognition of the importance and the impact of this conference and of the political, educational and professional process leading to it relate to all libraries, librarians, users and makers of information. The need for more political action, thought, awareness and education on the part of medical librarians became evident through this process. An active membership is needed to assure that issues and resolutions passed at the Conference are implemented. It is hoped that this session will alert, inform and encourage our membership.

A panel of 6 MLA members who participated in the WHCLIS2 process will discuss background, the state process, the White House Conference, the final report and implementation. An open sharing session allowing time for audience questions and answers as well as for discussion by other WHCLIS participants will follow.

Candia Thew-Johnson, Farha Medical Library, UKSM-W, 1010 N. Kansas, Wichita, KS, 67214-3199.

SECTION PROGRAMMING

A RELATIONAL "BROWSER" FOR THE UMLS KNOWLEDGE SOURCES

Anthony R. Aguirre, M.S., M.L.S., Augustus C. Long Health Sciences Library, Columbia University, New York, NY, 10032.

One of the tasks described in the UMLS contract between the National Library of Medicine and Columbia-Presbyterian Medical Center involves the analysis of user queries using humans, i.e. reference librarians as well as natural language processing techniques. For the librarians to be able to find UMLS Metathesaurus and Semantic Network equivalents to the concepts and relations identified in their analysis of queries, it was necessary to provide them with access to the knowledge sources in a usable form.

In this paper I will first describe procedures used to extract the tables (and appropriate fields) deemed necessary for the project from the relational representations of Meta-1 and the Semantic Network included in the Knowledge Sources CD-ROM provided by the NLM. Then I will discuss a Paradox v. 3.5 application with its underlying tables and forms designed specifically to facilitate the type of searching required for the task. Finally, I will present some of the difficulties faced in adapting the large CD-ROM files to a standalone microcomputer environment, and some typical search time statistics.

The paper presents a relatively simple way to investigate the utility of the UMLS Knowledge Sources in a library setting using relational DBMS software (such as Paradox, dBASE IV, and others) which is increasingly used in libraries.

SOJOURN IN UGANDA

Ione Auston, Librarian, Office of Health Services Research Information, National Library of Medicine, Bethesda, MD

In September 1988, Ione Auston left the United States for a teaching fellowship at Makerere University, Kampala, Uganda, under the auspices of the American Library Association's Library/book Fellows Program. For the next 9 months, Ione taught library science courses and personal computer skills to 28 diploma students (2nd year) and 3 postgraduate students (3-year baccalaureate degree with one year of library work experience), as well as conducted workshops on pc fundamentals for university medical librarians and Ministry of Justice law librarians. In a country the size of Oregon, with a 50% literacy rate, over 20 years of war devastation and destruction, strong vestiges of tribal rivalry and a greater than 25% HIV infection rate for new mothers consenting to testing, just how important is information and libraries?

This presentation will address this question, including Ione's experiences in Uganga, and most important what she learned from the Ugandans, their perception of their problems, and their search for solutions.

Ione Auston, Librarian, Office of Health Services Research Information, National Library of Medicine, Bldg. 38, Rm. B1E23, 8600 Rockville Pike, Bethesda, MD 20894

IBM INFOWINDOW INTERACTIVE VIDEODISC SYSTEM DEMONSTRATION

Lee Bairnsfather, Ph.D., Director, Biometry, Academic Computing, Louisiana State University Medical Center, Shreveport, LA

Dr. Lee Bairnsfather will demonstrate the IBM InfoWindow interactive videodisc system using the following instructional programs:

1) The Initial Psychiatric Interview
2) Monitoring the Experience of Labor and Delivery
3) Blood Test (A Review, Quiz, and Tutorial Program)

All programs are commercially available through Health Sciences Consortium and were created by members of the Healthcare Interactive Videodisc Consortium. concerns regarding individual group, and classroom use will be discussed.

REFERENCE COLLECTIONS DEVELOPMENT IN THE 1990's.

Jo Anne Boorkman, Head, Carlson Health Sciences Library, University of California, Davis

A survey of academic health sciences library reference departments was conducted in the Fall of 1991 on their collection development practices. Areas covered include: budgets for reference materials, both print and electronic; support for hardware and maintenance of electronic reference tools; criteria for selecting print and electronic reference materials; and which electronic reference tools are offered at the surveyed libraries. Also covered are how public-access electronic reference materials are offered (i.e. single workstations, LAN-based workstations, dial up access, locally mounted on minicomputers, etc.). The ways public-access electronic reference tools have affected reference services are also explored.

LINKING A CLINICAL INFORMATION SYSTEM TO KNOWLEDGE RETRIEVAL

James J. Cimino Center for Medical Informatics, Columbia University, New York, New York

The Columbia-Presbyterian Medical Center (CPMC) is developing a Clinical Information System (CIS) under its Integrated Information Management System (IAIMS) program. An important philosophy of the CIS is to provide decision support for clinical users. This is being provided through a number of components, including increased computerized patient data, online expert systems, and access to medical knowledge sources. It is likely that, as the user reviews clinical data or suggestions from an expert system, questions will arise that might be answered through a query to a knowledge source. We are exploring ways to use the context in which the question arises to help formulate and route information queries. This work requires solution of several different problems: analysis of typical user information needs in order to anticipate those likely to occur in a given context, selection of a knowledge resource that is appropriate to a given query, automated query formulation (including translation of clinical terms to search arguments), automated transfer of the query and retrieval of the results, and processing of the results with respect to relevance in order to sort and abstract them. Each of these steps involves use, evaluation and extension of the National Library of Medicine's Unified Medical Language System (UMLS).

THE RELATION BETWEEN CLINICAL ACTIVITY AND DEMAND FOR RESEARCH IN A HOSPITAL LIBRARY AS MEASURED BY JOURNAL USAGE: THE DR6 - UMLS - MeSH

Merle L. Colglazier, Medical Librarian, Richmond Memorial Hospital Library, Richmond, VA

The research question for this bibliometric project is: Can a meaningful relationship be identified between hospital clinical activity and demand for library research? The study design will compare Diagnostic Related Group (DRG) medical record terms to the medical subject heading (MeSH) terms of the journal titles for all journals actually consulted by library patrons during the one year study period. The methodology will involve the following steps: 1) The hospital DRG terms will be matched to the MeSH terms in the Unified Medical Language System (UMLS) Metathesaurus; 2) These coordinated MeSH terms will be used to derive a set of supra-coordinate MeSH terms that depict a hypothetical body of biomedical journals; 3) The supra-coordinate MeSH terms will be compared to the MeSH terms of the actual journals used to evaluate the relative degree of correspondence between the derived set and the actual set; 4) If the evaluation suggests that a quasi-correspondence is present, then the frequency distribution of DRG terms and MeSH terms for journals actually used will be analyzed to define a relationship between hospital clinical activity and demand for library research (i.e., journal literature). One of the implications of this research project is for a practical application of the UMLS Metathesaurus for hospital libraries. If a meaningful correlation between DRG terms and MeSH terms exists, then this finding will have predictive value for planning journal selection/deselection. The methodology can also be expanded to include evaluation of other library resources.

NETWORKING GENETIC DATABASES THROUGH A LIBRARY INFORMATION SYSTEM

Susan Crawford, Director, Washington University School of Medicine, Library and Biomedical Communications Center, St. Louis, MO

Washington University (WU) is one of seven organizations designated by the National Institutes of Health as a research center for the National Human Genome Project. Over 300 laboratories at WU are involved in genetic research, ranging from large-scale collaborative programs to postdoctoral trainees in small laboratories. WU's Library and Biomedical Communications Center is developing a system for managing and providing access to databases that contain genetic information.

The program is significant as the first nonbibliographic database to be offered by the Library through its BACS integrated library system, as MEDLINE and Current Contents are now provided through a network of computer workstations distributed throughout the medical center. Future directions include the expansion of the database and enhancement through the development of software for Information management, as required by the scientists.

The program provides a base for investigating a number of issues relating to information management in a library setting. The kinds of technical support required of the staff will be explored, as the program interfaces medical informatics. The need for interaction and consultation with specialists such as geneticists and molecular biologists in this high-tech field will be determined. Finally, there are implications for the role and education of librarians in meeting information needs and uses in biotechnology.

CHANGE ON A HOT TIN ROOF

Susan C. Curzon, Ph.D., Director of Libraries, Glendale Public Library, Glendale, CA 91205-1075.

It is one thing to change technology; it is quite another to change people. This talk will provide some basic guidelines on how to manage people in the midst of change. In particular, the aspects of change that will be reviewed will include how to gain staff cooperation, how to deal with resistance, how to stop change from disintegrating and how to break down the process of change into manageable events. The five stages of personal change behavior will also be discussed.

ASPECTS OF DENTAL HISTORY

Dr. Audrey B. Davis, Ph.D. Curator of Medical Sciences Division, National Museum of American History, Smithsonian Institute, Washington, D.C. 20560.

Understanding the past is important and vital to the present and future practice of dentistry in America. This presentation will focus on different aspects and perceptions of dentistry and its evolution.

Dental history is a bequest of the past to the present and future and it is important that members of the dental profession, librarians and curators seek to preserve and guard the ancestral treasures by at least becoming aware of them and applying what seems feasible to the present.

Prior to the nineteenth century, dentistry was perceived disparagingly as a craft not a health science. By 1859 however, dentistry was established as a profession. In the nineteenth century, American dentists received worldwide acclaim for their innovative ideas and operative techniques.

Through history, dental health professionals are placed in a broader context of local, national and international events. Within this framework, professionals may take the opportunity to find out how their predecessors coped with unpredictable elements and how they found effective solutions.

A tour of the Smithsonian Institute will follow this presentation.

CRITICAL ENTRY POINTS: PROGRESSIVE MATCHING OF CURRICULAR NEEDS. Jo Dorsch and Walter Wilkins, Assistant Health Sciences Librarians, Library of the Health Sciences, University of Illinois at Chicago, Peoria, Illinois

The importance of integrating bibliographic instruction into the health sciences curriculum is no longer in debate. To be effective, however, instruction must be introduced at critical points in response to the progressive information needs of students as the curriculum demands. The match of bibliographic instruction to curricular needs is a responsive process. Curriculum changes, new information technologies and sources, faculty interaction, and program evaluation are factors in this ongoing adjustment.

At the Library of the Health Science - Peoria (LHS-Peoria) bibliographic instruction has progressed from hurried and harried orientation tours into a graduated program of instruction introduced at appropriate curricular times. Observations arising from experiences with integrated instruction at LHS-Peoria are applicable to most health sciences libraries. Practical suggestions covering such areas as identifying information needs, gaining points of entry into tight curriculum schedules, matching learning styles with instruction strategies, and coping with limited time and resources are presented.

AN AMERICAN IN ENGLAND

Donna Flake, Library Director, Wilmington Area Health Education Center, Wilmington, NC

This paper covers the author's work experience in England, and the subsequent benefits and consequences of this experience. The six month international experience in 1984 was the result of a job exchange between two medical librarians. Goals at the outset of the experience were to compare and contrast English medical libraries with American medical libraries, and also to contrast the British delivery of health care with that of the U.S.

This six months changed and enriched the author's life, and this presentation will describe the reasons this short six months a long eight years ago was so very significant.

Donna Flake, Library Director, Wilmington AHEC, Health Sciences Library, 2131 S. 17the Street, Wilmington, NC 28402

KNOWLEDGE REPRESENTATION IN MEDICAL LITERATURE

Valerie Florance, Laboratory for Applied Research in Academic Information, William H. Welch Medical Library, The Johns Hopkins University and Gary Marchionini, College of Library and Information Services, University of Maryland, College Park.

The assertion is often made that practicing physicians should be using current biomedical research literature to solve problems which arise during patient care. Although technological advances have made it possible for physicians to access the text of new medical articles online in their offices, the current research literature is not used frequently or confidently by physicians during patient care. This paper proposes that clinical problem solving most often requires information that is procedural, applicable, and context-specific, rather than the factual, declarative knowledge presented in journal articles. This mismatch between the physician's information need and the published representation of medical knowledge poses a barrier to the use of journal literature for clinical problem solving. Four investigations are described which support the design and testing of a new type of literature surrogate, one that is customized to meet the information need of clients.

TOPSIDE UP DOWN UNDER: ANTIPODEAN MEDICAL LIBRARIES - ONE AMERICAN'S EXPERIENCE

Frances Flynn, Reference Librarian, New England College of Optometry, Boston, MA

Many North American medical librarians have worked in Australian libraries (and vice versa). some of these librarians have been in one another's country on a short-term exchange arrangement or a fellowship of six months to a year. Others have worked in the other country for a longer period of time; a few have become permanent expatriates.

This paper presents some impressions garnered from seven years in Australia and a short assignment in New Zealand during a period (1981-1988) when many changes were taking place. My position as Health Sciences Librarian at the University of Queensland provided an opportunity to gain an insight into the similarities and differences of challenges encountered by Australian and North American medical librarians.

Among the topics to be touched on are what has been termed "the tyranny of distance" -- the geographic distance from the rest of the world, the intracontinental distances between the capital cities; the "cultural cringe"; and the "small numbers" factor that impacts on the structure of the library association, and the place of health sciences librarians within the broader library community.

Frances Flynn, Reference Librarian, New England College of Optometry, 424 Beacon Street, Boston, MA 02115

REFERENCE STATISTICS MADE SIMPLE. Evelyn H. Forbes and Mark Kennedy, Medical Center Library, Vanderbilt University, Nashville, Tennessee.

A common thread throughout all libraries is statistics collection. It is essential to reference services to reflect the activity of both staff and services. This effort in the Reference and Research Services department of the Vanderbilt University Medical Center Library has been greatly enhanced through a thorough review and complete overhaul of collection methods. The end result is a redesigned single-sided form replacing the confusing predecessors.

Because the staff was already familiar with the program, the WordPerfect 5.1 Tables feature was used to design a simple yet detailed tally sheet. This form is used to track ready reference, manual searches, and instructions on CD-ROM, the NOTIS online public catalog, as well as library use. Each category is broken down by type of user: Primary, Secondary, and Tertiary. The extended evening and weekend hours are recorded on an hourly basis.

The primary benefit of this form, ease of use, has also resulted in the increased integrity of statistics because staff compliance has improved.

THE USE OF MESH IN AN ONLINE CATALOG

Carole Francq, Director of Collection Management; and Peggy Richwine, Collection Database Manager, Indiana University School of Medicine Library, Indianapolis, IN

The research questions are 1) How are medical subject headings used in an online catalog? and 2) How successful are these headings in retrieving items on the desired topics?

The proposed method to answer the first question is to study a representative sample of transaction logs of medical subject headings as they were input by the user. A preliminary study for a two hour period has been analyzed showing 54% of the MeSH searches resulted in no hits. Further analysis could determine how many of the no-hits resulted from spelling errors, terms used that are not MeSH, how many of these terms would have been successful if there had been see references, inappropriate use of subheadings, or the lack of anything on this topic in the database.

The proposed method to answer the second question is using a bibliography of monographic materials on a topic, determine how many of these are actually in the database and what percentage of these are retrieved with appropriate medical subject heading. The model for this study is based on the research done by Lancaster et. al. as described in the October, 1991 issue of *Library Resources and Technical Services*. This research is at the stage of selecting representative medical topics and finding bibliographies that can be used.

WILLOW

Sherrilynne Fuller, Director; Debbie Ketchell, Associate Director, Health Sciences Library and Information Center, SB-55, University of Washington,Seattle, WA 98195

Willow (Washington Information Looker-Upper Layered Over Windows) is a graphical interface developed at the University of Washington (UW) for the purpose of providing intuitive access to bibliographic and other types of textual databases. The project, begun in early 1990 with funding from the Digital Equipment Corporation, had the goal of creating an interface with the following characteristics: 1) a universal interface using to full advantage current technology and software 2) an intuitive interface for novices and a time-saving one for intermediate and advanced users, 3) compatible with all bibliographic databases, regardless of location, hardware, retrieval software or database format and 4) compatible with the campus computing and software standards. We have achieved most of our initial objectives. Willow is a UNIX application (X-Windows/MOTIF) which can be run under MAC-OS or DOS. Several databases (Medline, ERIC, UW Online Catalog) using BRS retrieval software at UW are now available through Willow.

Many individuals including librarians, faculty, and computer staff were involved in the creation of Willow. We will describe the cooperative software development process from conceptual design to alpha and beta testing to delivery of a working interface for general campus use with a particular emphasis on evaluation approaches used and lessons learned.

ISSUES IN THE USE OF THE MEDICAL LITERATURE IN KNOWLEDGE BASE CONSTRUCTION

Nunzia Bettinsoli Giuse Section of Medical Informatics, Department of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania

The creation of medical knowledge bases involves many issues, especially when knowledge bases are built via a collaboration among several authors. This talk will discuss some of the University of Pittsburgh's experiences in the creation of the QMR medical knowledge base. In particular, it will examine in detail the problems of connecting a medical knowledge base to the medical literature.

ALTERNATIVES AND ANIMALS

Alan Goldberg, Ph.D., Professor and Director, Center for Alternatives to Animal Testing (CAAT), Associate Dean for Research, John Hopkins School of Public Health, Baltimore, MD

Whole animal studies have provided the foundation for biomedical progress. It is generally accepted that the study and use of animals in the biosciences -- research, education, and testing -- have paved the way for our current understanding of human health and illness. During the last decade, however, increased pressure from those in society concerned about animals and the availability of scientifically developed methods have allowed the scientific evaluation of in vitro methods (alternatives) in toxicology, testing and research. Several factors have paved the way for the remarkable advances in in vitro testing. The field of toxicology has become more mechanistic and less descriptive. Advances in instrumentation and our ability to grow cells, tissues and organs in cultures have all contributed to the availability of in vitro methods. In vitro methods are rapidly being incorporated into toxicity testing protocols but they have not yet advanced sufficiently to replace whole animal testing activities. What is remarkable is the observation that by developing an in vitro approach animal use can be remarkably reduced. Further, the use of in vitro methodology in predictive toxicology has significantly decreased animal use. This presentation will examine the status of in vitro methodology development and provide specific examples.

HOW TO DISCOVER YOUR HOSPITAL'S HIDDEN RESOURCES

Ellen Wilson Green, Director, Health Sciences Information Center, Cedars-Sinai Medical Center, Los Angeles, CA

In the current environment of reduced resources and uncertain futures it is increasingly important for hospital librarians to be creative in seeking support for technological advances in their libraries. Does the new technology mean fewer FTEs? Where do we get money for additional labor, equipment and operational costs? Answers to these questions and descriptions of successful funding approaches will be the topic of this talk.

EXPERT SYSTEM FOR SUBJECT CATALOGING

Richard J. Harris, Systems Coordinator, Eastern Virginia Medical School; Stewart Shen, Professor, Old Dominion University; Renee Mansheim, Technical Services Coordinator, Eastern Virginia Medical School; Ashraf Morsi, Teaching Assistant, Old Dominion University.

Subject cataloging is the intellectual process of assigning concept based descriptors to items. These descriptors serve as access points for retrieval of the items from information systems. In contrast to descriptive cataloging, which is based on a large set of clear decision rules, subject cataloging uses a few general principles. These principles are applied by human experts using domain- dependent decision rules, providing a challenge for expert system development.

We report here on the status of work in progress in a collaborative project involving computer scientists and librarians. The project seeks to develop an empirically based expert system which uses the National Library of Medicine's Unified Medical Language System metathesaurus as a knowledge base. The scope of the project is presently limited to the subject domain of endocrinology and to the use of titles to represent processed items. Work so far includes development of a typology of intellectual processes used by humans in subject cataloging, design of a process for applying this typology to machine processing of text, and plans to develop a supplemental knowledge base.

Research questions include: to what extent does the existence of multiple vocabularies within the metathesaurus increase access to the MeSH vocabulary?; and, to what extent do descriptors which are automatically assigned solely on the basis of title text match descriptors assigned by expert humans?

The ultimate outcome is to be a system which receives title text as an input and produces suggested subject descriptors as an output.

REPRESENTATION THROUGH SOFT SYSTEMS METHODOLOGY OF THE KNOWLEDGE ENVIRONMENTS OF COMMUNITY HEALTH PROVIDERS: IMPLICATIONS FOR AUTOMATED DECISION-SUPPORT SYSTEMS

Mary M. Huston, Ph.D., Associate Professor and Susan Sebastian Miericke, M.L.S., Doctoral Student, School of Library and Information Studies, Texas Woman's University, Denton, Texas; and Barbara Hettinger, Ph.D., Clinical Nurse Specialist, College of Nursing, Texas Woman's University, Denton, Texas.

When the intellectual work supported by a computer-mediated information system is understood as dynamically fluid, systems development and maintenance requires sustained collaboration by its keepers - the information system designers and health care providers. This project has the long range goal of creating an automated decision-support system, the product through a process which cultivates the creativity of both users and designers engaged in the ongoing, continuous development of both human and technological resources. This paper reports on stage one of the system design process, the identification of the knowledge domains consulted by clinical care givers in a nurse-managed community health care center, through the application of Soft Systems Methodology.

BEYOND THE JOURNALS: HOW CONSUMERS MAKE MEDICAL DECISIONS

Charles Inlander. President, People's Medical Society. Allentown, PA

The 1980's witnessed the beginnings of effective medical consumerism. With the release of Federal information on hospital mortality rates and the increase of malpractice litigation, the American health care consumer now demands greater accountability from both health care providers and institutions. But where do consumers obtain the requisite information to make informed decisions in the selection of providers, alternative treatments, and quality health care institutions? A recent poll reported that in 1983 only 5 percent of the public selected the hospital where they would receive treatment. By 1990. 35 percent of consumers made this choice for themselves. On the basis of what data do consumers make this decision? What are their sources of information? Where is the information to be found? What others sources are currently available? We will examine the burgeoning consumer health revolution, methods of obtaining information for informed decision making, and how this pattern of seeking and processing of information is likely to change through the expanded use of online databases, CD-ROM, '800' and '900' dial-up telephone services, and consumer advocacy programs.

Charles Inlander. People's Medical Society. 462 Walnut Street, Allentown, PA 18102

CHOOSING THE THIRD WORLD: REFLECTIONS OF A PEACE CORPS LIBRARIAN

Lisa Ann Lovullo, Outreach Coordinator, National Network of Libraries of Medicine, Southeastern/Atlantic Region, Baltimore, MD

Currently 8,000 Americans are serving in the Peace Corps worldwide. The average volunteer today is more than thirty years old, has an advanced degree and serves as a technical expert on major development projects. This presentation will summarize the experiences of one former volunteer's efforts to develop a National Health Information System in Malawi, Africa.

Assignments vary greatly among continents. Examples of other projects Peace Corps medical librarians have managed will be available. Peace Corps is an increasingly attractive option for overseas work due to a new program called "variable length volunteers" which permits terms of service of only three to six months instead of the traditional two years.

As international cooperation continues to rise on our agenda, it is essential for more of us to gain international experience if we are to succeed in designing programs, services and systems which are both culturally appropriate and viable. The Peace Corps provides one means of achieving this goal.

Lisa Ann Lovullo, Outreach Coordinator, National Network of Libraries, Southeastern/Atlantic Region, University of Maryland at Baltimore, 111 S. Greene Street, Baltimore, MD 21201

ENHANCING ONLINE BIBLIOGRAPHIC RECORDS TO IMPROVE RETRIEVAL OF REFERENCE COLLECTION MONOGRAPHS.

Ruth Makinen, Head of Technical Services, Bio-Medical Library, University of Minnesota, Minneapolis, Minnesota.

It has been suggested that a new cataloging code should be adopted to take full advantage of the new methods of searching online catalogs. Studies have proven that enhancing bibliographic records improves retrieval effectiveness. This paper describes a project in which existing bibliographic records of the monographs in a reference collection are enhanced with relevant tables of contents and summary information to improve retrieval of subject information in the reference collection. The record enhancement was undertaken with specific reference desk activities and key word searching techniques in mind. Unique words taken directly from the monograph were used in creating the summaries to enable the description to provide effective access. The project was a joint effort of the public and technical services departments at the University of Minnesota's Bio-Medical Library.

FACULTY PUBLICATIONS DATABASES IN ACADEMIC MEDICAL LIBRARIES

Renee Mansheim, Technical Services Coordinator; and JoLinda Thompson, Reference Librarian, Eastern Virginia Medical School Library, Norfolk, VA

Many academic medical libraries have the responsibility of maintaining a database of faculty publication. The database may be the outgrowth of a reprint file, or it may be in conjunction with some regularly published house organ. It may be available to anyone, or access may be restricted.

Reports have appeared in the literature and at conferences of how individual institutions have met the responsibility of gathering and retrieving information for the database. We propose to study just how common this task is to academic medical libraries, how libraries are actually handling the database, and how their institutions are using them.

There are 170 libraries affiliated with MLKA, AAHSLD, or AAMC. We have prepared a survey which asks information of the person who maintains the faculty publications database at each institution. The results of the study will give libraries a basis to evaluate their own practices.

The survey is in the final stages of preparation. We are prepared to present information on the development of the research question, the study design and methodology. By May, 1992, we should have at least preliminary results.

BIOMEDICAL COMPUTING IN THE FUTURE: VISUALIZING THE VIRTUAL LIBRARY

Daniel R. Masys, M.D., Director, Lister Hill National Center for Biomedical Communications, National Library of Medicine, National Institutes of Health, Bethesda, MD

The "Virtual Library" in a biomedical context is the Library without walls, whose contents change measurably from hour to hour as it grows with the growth of scientific knowledge. Elements of such a virtual library are under development at the National Library of Medicine. The System for Automated Interlibrary Loan (SAIL) is capturing images of journal pages onto optical disk. Coupled with Grateful Med, Loansome Doc, and the ability to generate automated facsimile transmissions, such systems provide the technology to send full text results of MEDLINE searches to a FAX machine within minutes. The Library has also initiated new image database projects: it has transferred its entire collection of 57,000 historical prints and photos to videodisc, and is building the "Visible Human" database of x-y-z numerical coordinates representing entire human beings, derived from magnetic resonance, computed tomography and digitized anatomic photographs.

USING THE CLINICAL LITERATURE FOR PATIENT CARE

K. Ann McKibbon
Health Information Research Unit, Faculty of Health Sciences, McMaster University, Hamilton, Ontario

Physicians need pertinent information for patient care. Covell[1] found two unanswered questions for every three patients in an ambulatory setting. Osheroff[2] tabulated five clinical questions per hospital patient seen during rounds, with one of the five potentially answerable by literature. Physicians closer to their graduation and those from problem-based schools rather than traditional schools[3] may be better able to cope with keeping up to date. All health care providers, however, must work to keep current. Developments to improve and speed clinician access to medical information include Clinical Medical Librarians, Literature Attached to the Charts (LATCH), MEDLINE, GRATEFUL MED, Loansome Doc, and ACP Journal Club. Some have proven useful and cost effective and have been adopted. Much work needs to be done, however, to make relevant clinical literature available easily, quickly, and reliably in patient care.

[1]Covell DG, Uman GC, Manning PR. Information needs in office practice: Are they being met? Ann Intern Med 1985; 103:596-9.
[2]Osheroff JA, Forsythe DE, Buchanan BG, Bankowitz, RA, Blumfield BH, Miller RA. Physicians' information needs: Analysis if questions posed during clinical teaching. Ann Intern Med 1991; 114:576-81.
[3]Shin JS, Haynes RB, Johnston ME. The effect of problem-based, self-directed undergraduate education on life-long learning, submitted to N Engl J Med.

NATIONAL REFERENCE AND REFERRAL AT NLM

Pamela A. Meredith, Head, Reference Section, National Library of Medicine, Bethesda, MD.

The National Reference Referral Service at NLM has been developed to serve National Network of Libraries of Medicine (NN/LM) libraries and their users. Staff of NLM's Reference Section are happy to help answer those questions which cannot be answered using commonly available online and print tools or other NN/LM libraries. When you feel like there's no place else to go, there is - NLM! Examples of such inquiries are discussed and solutions reviewed.

With staff dedicated solely to reference functions, we can be your conduit to the worlds largest medical library by helping you to take full advantage of the depth and breadth of NLM. For instance, the reference collection contains over 233 dictionaries, 387 abstract titles, and over 791 directories. Additional components of the service include performing searches of special foreign databases; publication of the Current Bibliographies in Medicine and AIDS Bibliography; publication of such aids as the National Library of Medicine Recommended Formats for Bibliographic Citation and development of tools like MEDSTATS.

Our responsibility to you is to find and use whatever tools are necessary to enable you to answer the complex and varied questions posed in todays information delivery environment. Methods for reaching the Reference staff will be presented.

Pamela A. Meredith, National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894

ACCESS SERVICES: THE "FORGOTTEN" STAFF.

Ann Paietta, Access Services Librarian, Kenny Fryer, Acting Director and Lynn Sette, Acting Head, Reference, Harvey Cushing/John Hay Whitney Medical Library, New Haven, Connecticut.

In these times of budgetary constraints and new technology, the library must look beyond its information services department. It seems that the hours of the reference desk is one of the first services to be reduced, while the library keeps its doors open longer. Typically, circulation or access services staff are present from the library's opening to its closing, seven days a week.

This paper outlines how access services staff can contribute to and provide reference services. Staff training is the key to any successful program. Job enrichment and less turnover are pleasant consequences for the staff and administration. Patrons need help at 10:00 p.m. Sunday as well as Tuesday at 10:00 a.m. Whenever the library is open, you have staff present. You might as well use everyone to their full potential.

This paper shows you how access services staff and student workers could match your reference services hours to the hours of the library. Patrons and library staff alike will benefit from such a program.

OLD BOOKS IN A NEW AGE: THE ROLE OF A HISTORICAL COLLECTION IN TODAY'S MEDICAL LIBRARY

Moderator: John Parascandola, Ph.D., Chief, History of Medicine Division, National Library of Medicine Bethesda, MD; Speakers: Lucretia W. McLure, Director, Edward G. Miner Library, University of Rochester School of Medicine and Dentistry, Rochester, NY; Nancy W. Zinn, special Collections Librarian, University of California, San Francisco Library, San Francisco, CA; Robert J. T. Joy, M.D., Professor of Medical History, Uniformed Services, University of Health Sciences, Bethesda, MD

In a time of new technology and shrinking budgets, why should medical libraries devote human and fiscal resources to building and maintaining collections of rare books, manuscripts, and other historical materials? The purpose of this session is to explore the role that historical collections can play in today's medical library, from the perspectives of a library director, a special collections librarian, and a faculty member user. Consideration will be given to the use of historical collections to support such activities as: teaching and research in the history of the health sciences, education in the health sciences, library exhibits, "friends" groups, symposia and other conferences, and the humanistic goals of medical institutions.

A COMPUTER LITERACY PROGRAM FOR MEDICAL LIBRARY STAFF.

Laurie A. Potter, Savitt Medical Library, Reno, Nevada

A recent article in Time claims that the expectations for the Information Age are far from being realized. The author states, "Paper-killing technologies like electronic mail and voice processors go largely unused--too complicated--while paper-generating devices like fax machines and copiers are used to the point of abuse." This claim might apply to the average business, but most librarians would agree that the Information Age has definitely arrived in libraries. Librarians and their staff have to cope with a proliferation of new technologies. Electronic mail, for instance, is used everyday in our library. It may be complicated, but it is not as complicated as the LAN, OPAC, CD-ROM, SYTEK boxes, modems, etc., all of which we have in our library. It is very difficult for all of the staff to keep up so they can be productive. We have one in-house expert, but we want everyone to be computer literate. Otherwise, the "expert" spends all of their time giving individualized lessons on the basics. The Savitt Medical Library decided to deal with this issue in an organized manner. We have developed classes that cover the most important skills we need our staff to have. The classes are divided by skill level: beginning, intermediate and advanced. A description of the content of these three levels of classes and how they are presented most effectively will be discussed in this paper.

TOWARD INTELLIGENT QUESTION ANSWERING SYSTEMS: EXPERT SYSTEM APPLICATIONS IN REFERENCE WORK

John Richardson, Jr., Ph.D., Associate Professor, Graduate School of Library & Information Science, University of California, Los Angeles, CA

The overarching goal of this presentation is to discuss new technological innovations which offer potentially significant improvements in the quality of reference service rendered in libraries. Specifically, the presenter's five objectives are: 1) to identify the essential paradigm for learning reference work; 2) to define expert systems (ES) and their component parts, 3) to describe the feasibility of introducing ES into reference environments; 4) to review extant ES reference prototypes and draw conclusiongs; and 5) to apply the STEPE model and thereby speculate on the likely future of ES development efforts in medical libraries.

A COMPARISON OF CINAHL AND MEDLINE CD-ROM IN FOUR ALLIED HEALTH AREAS

Maureen E. Watson, Optometry Librarian; and Richard Perrin, Coordinator of Interlibrary Loans and Online Services, Ferris State University, College of Optometry, Big Rapids, MI

Our study compares CINAHL and MEDLINE on CD-ROM in four allied health areas: medical records, medical laboratory technology, radiologic technology, and respiratory therapy. The first portion of the study deals with journal coverage of the four areas; the second portion includes a survey of ten faculty members who did literature searches on both systems. The purpose of this study is to find out what database system should be accessed first in specific allied health fields, which one has better journal coverage in the subject areas, which would be better for initial student use, which one retrieves more citations on the topic, which one is easier to use. and which type of search question is answered better by each system. Although there have been many studies done comparing CINAHL and MEDLINE in the nursing field, there have been few, if any, studies done in the allied health fields.

THE RAND REPORT: ITS IMPLICATIONS FOR SPINAL MANIPULATION THERAPY EDUCATION, ACADEMIC-BASED RESEARCH, AND CLINICAL PRACTICE

Steve Wolk, Ph.D., Director of Research; Foundation for Chiropractic Education and Research; Arlington, VA.

The first two stages of the RAND report, The Appropriateness of Spinal Manipulation for Low-Back-Pain, were published in late 1991. Stage I is a review of the medical literature on the efficacy, complications, and indications for spinal manipulation therapy for low back pain patients. Stage II impaneled a multidisciplinary group of experts on low back pain to rate, for appropriateness, the use of spinal manipulation therapy for low back pain.

Stages III and IV of the Rand report will focus on indications for spinal manipulation therapy as rated by an all-chiropractic panel of experts on low back pain, and on utilization of spinal manipulation therapy on a sample of low back pain patients.

In eventually providing some foundation for the efficacy and cost-effectiveness of spinal manipulation therapy for low back pain, the RAND report will have an impact on the curriculae in the chiropractic colleges and on the direction of future chiropractic and multidisciplinary research on spinal manipulation therapy.

CONCURRENT SESSIONS: CONTRIBUTED PAPERS AND PANELS 9–12

WEDNESDAY, MAY 20
9:00 A.M.–11:30 A.M.

PROBLEM-BASED LEARNING: AN OVERVIEW. Robert S. Donner, M.D., Chairman, Department of Pathology, Mercer University School of Medicine, Macon, GA. 31207

Problem-based learning (PBL) is being incorporated into the curriculum in increasing numbers of medical schools each year. In addition, PBL is recognized as an essential component of the innovative changes that will be occurring in medical education over the next several years. To gain a grasp on these changes, it is essential that an understanding exists about PBL and its relationship to traditional and innovative forms of medical education. PBL should be recognized as only one of several integral components of the innovative curriculum. The keynote talk will address the philosophy of PBL, its role in the innovative curriculum, and its relationship to a student-directed, tutorial-based, integrated curriculum. Comparisons will be made with other forms of teaching, including the lecture format and the case-based format. The differences between faculty-driven learning, student-driven learning and subject-based learning will be discussed. Advantages and disadvantages of PBL will be emphasized, and a cost analysis of PBL and the lecture-based curriculum will be presented.

ORGANIZATIONAL STRATEGIES FOR LIBRARIES SERVING PBL PROGRAMS Elizabeth K. Eaton, Director; Elizabeth J. Richardson, Information Services Librarian, Tufts Health Sciences Library; 145 Harrison Ave., Boston, MA 02113.

Today, many academic libraries are providing bibliographic instruction programs that include database search training and other library skills and knowledge management courses. Many schools responding to the GPEP Report which emphasized the importance of preparing physicians for the 21st century are adopting new curricular approaches, namely Problem-Based Learning (PBL). This paper will discuss the issues PBL poses for libraries, such as time, space, and resources, and the organizational strategies some have employed to adapt their services to the goals of their PBL program. These organizational strategies range from administration relationships to program evaluations. Based mainly on Tufts' experiences, the advantages and disadvantages of these strategies will be explored.

A PROBLEM-BASED CURRICULUM IN TRANSITION: THE EMERGING ROLE OF THE LIBRARY AT THE UNIVERSITY OF NEW MEXICO SCHOOL OF MEDICINE

Jon Eldredge, Chief, Collection and Information Resources Development, UNM Medical Center Library, University of New Mexico, North Campus, Albuquerque, NM.

In 1979 the University of New Mexico School of Medicine began a dual track curriculum. Students may either follow a conventional track medical school education or they can pursue a problem-based educational program titled the Primary Care Curriculum (PCC). At this time twenty students per year enroll in PCC for the first two years of their medical school experience. The UNM Medical Center Library serves students in both curricular programs. In 1991 the UNM School of Medicine faculty voted to adopt a new problem-based curriculum that integrates the best features of both the PCC and conventional track educational approaches. This presentation will offer an interim report on efforts by the UNM Medical Center Library to anticipate the needs of students and faculty in this new, innovative curriculum.

ALTERNATE METHODS FOR FUNDING MEDLINE ACCESS: A PANEL DISCUSSION

Carol H. Fenichel, Ph.D., Director of the Library, Hahnemann University (Moderator); Susan F. Anderson, Assistant Director for Information Services, Treadwell Library, Massachusetts General Hospital; Thomas Williams, Associate Director for Systems Integration and Access Services, Louis Calder Memorial Library, University of Miami School of Medicine; and Suzanne F. Grefsheim, Head, Alfred Taubman Medical Library and Coodinator, Health Sciences Libraries, University of Michigan.

With the rapid developments in computing technology and databases in the past few years, it has become far easier to identify new information services that would benefit health professionals than to obtain the money to pay for them. One solution is to acquire the funds from sources outside the library's institutional budget. In order to provide increased access to end user MEDLINE systems, several health sciences libraries have developed such "alternate" methods of funding.

Hahnemann University presently is paying for their CDPlusNet2 system from a combination of grant funds and departmental subscriptions. Massachusetts General Hospital, which originally sold unlimited use passwords to BRS COLLEAGUE for a fixed fee, now sells passwords priced in blocks of ten hours. The University of Miami charges individual users for a specified length of time on CDPlusNet2, and the University of Michigan has put together funding from several schools and departments within the University for unlimited access to PaperChase.

Each panelist will address the following points: system used, system costs, method of funding, rationale for determining charges, advantages of the method, problems encountered, and expected changes to be made.

A STUDY OF LIBRARY USE IN PROBLEM-BASED AND TRADITIONAL MEDICAL CURRICULA: PART I - BACKGROUND AND PARTICIPATING INSTITUTIONS. Dorothy Fitzgerald, Director, Health Sciences Library, McMaster University, 1200 Main Street West, Hamilton, ON, L8N 3Z5 Canada.

Examining differences in library use patterns in medical schools that have problem-based and traditional curricula has been identified as an important research issue by health sciences librarians. Such studies can provide useful data for librarians and medical educators who are planning for curriculum change. An opportunity to study this issue existed in Ontario, Canada where several medical schools were at different stages of curriculum development. Three medical school libraries agreed to participate in the study: McMaster University which has had a problem-based curriculum since its inception in the early 1970's; the University of Western Ontario which has one day a week of problem-based learning; and the University of Toronto which currently has a traditional medical curriculum. The University of Toronto plans to begin moving towards a problem-based curriculum in 1992. The purpose of this study was two-fold: 1) to provide each of the participating libraries with individual results that would be of immediate practical value for planning and 2) to compare library use patterns of medical students and faculty at the three sites. The study took place between February and April 1991 at McMaster and University of Western Ontario and between October and December 1991 at the University of Toronto.

CATALOGING HISTORICAL MEDICAL ARTIFACTS WITH THE MARC FORMAT AND OCLC

Patsy Gerstner, Chief Curator, Historical Division, Cleveland Health Sciences Library, Cleveland, Ohio.

Artifacts have become an important part of historical research because they yield new insights into historical processes and aid in understanding social and scientific progress. Nevertheless, access to information about artifact holdings in our nation's collections is severely limited.

This need not be the case for historical medical artifacts, especially since major collections are in medical libraries. Using the familiar MARC format for audiovisual materials and OCLC, these artifacts can be cataloged on-line, thus making information about them accessible to a wide audience. Concerns and uncertainties about how to describe and handle artifacts within the framework of the MARC format have precluded this, however, until now.

This paper describes how a consortium of seven academic health sciences libraries in Ohio, with a combined collection of more than 50,000 historical artifacts, is addressing these concerns and developing the necessary guidelines for the successful cataloging of artifacts.

Patsy Gerstner, Historical Division, Cleveland Health Sciences Library, 11000 Euclid Avenue, Cleveland, Oh 44106-1714

ENHANCED CAI SOFTWARE CATALOG RECORDS: COMPARING DESCRIPTIVE ANNOTATIONS AND UNIFIED MEDICAL LANGUAGE SYSTEM SYNONYMS

Diane J. Hudson, Microcomputer Librarian, UT Southwestern Medical Center Library, 5323 Harry Hines Blvd., Dallas, TX 75235-9049.

The University of Texas Southwestern Medical Center Library has 115 computer assisted instruction (CAI) programs, none of which were cataloged. Cataloging and Microcomputer Lab staff decided to catalog these items, and to include a descriptive annotation and UMLS synonyms as a means of enriching the catalog record.

The project encompassed all pre-cataloging activities. This included searching OCLC for records, retrieving UMLS synonyms for MeSH entries from Meta-1.1, identifying unique keywords from the UMLS synonyms, examining annotations for the presence of these unique keywords, and evaluating the potential for record enhancement that descriptive annotations and UMLS synonyms can provide.

The author concluded that 1) preparing annotations requires substantial investments of time, subject knowledge, and writing skills; 2) retrieving UMLS synonyms has minimal time and skill requirements; 3) well-written annotations give the client more relevant information for making CAI software selections.

MAKING A DIFFERENCE: PARTNERSHIPS WITH PUBLIC LIBRARIES

Phyllis S. Lansing, Education Coordinator; Mary Joan (M.J.) Tooey, Assistant Director for Information Services; Health Sciences Library, University of Maryland at Baltimore; Susan Paznekas, Network Coordinator, Division of Library Development and Services, Maryland State Department of Education.

As partners, the staff of the Health Sciences Library, University of Maryland at Baltimore (HSL/UMAB) and Maryland public librarians are contributing expertise to the Health Information Project (HIP).

Health information was identified in a series of household surveys conducted by the public libraries in Maryland as the area of greatest interest and information need. To address this need, a partnership of academic medical librarians and public librarians was proposed by the State Department of Education, Division of Library Development Services (DLDS). The project was funded by the Library Services and Construction Act (LSCA). The health sciences librarians were seen as content specialists for selection of materials and as reference and education specialists who could help public librarians deal appropriately with health information requests.

Two committees were formed which had representatives from the public libraries and from the HSL. The first committee selected a core collection of health/medical information and the second developed training manuals for self-study. As the HIP continues, two day workshops are planned for training on legal and ethical implications in health reference service as well as practice on the reference interview.

HSL involvement with the program will continue. The HSL librarians look forward to continued interaction and outreach with the public librarians in Maryland as a way to meet health information needs for Maryland's citizens.

A STUDY OF LIBRARY USE IN PROBLEM-BASED AND TRADITIONAL MEDICAL CURRICULA: PART II - PRELIMINARY RESULTS.

Joanne G. Marshall, Faculty of Library and Information Science, University of Toronto, 140 St George St., Toronto, ON, M55 1A1, Canada.

Data were collected by several methods in the three medical school libraries: a library exit survey explored types of users and their reasons for coming to the library; an end-user MEDLINE survey gathered background information about users and assessed user satisfaction; and medical student and faculty surveys asked about reasons for library use as well as perceptions of the importance and quality of library services. Circulation data and existing national and international library statistics were also examined as potential data sources. Initial comparisons of exit survey data from McMaster University and the University of Western Ontario indicated that a greater proportion of medical students were library users, and that they used the library more frequently, and for longer periods of time in the problem-based school. A greater proportion of the problem-based students reported using reference books, journals, reserve materials, photocopiers, MEDLINE, AV materials and many more used the library as a place to study. The results of the medical student survey confirmed many of these exit survey results. Problem-based students also reported purchasing more textbooks. While differences in library use by students in the two schools were substantial, use by faculty in the two locations was quite similar. The presented paper will include data from the University of Toronto.

CONSUMER HEALTH INFORMATION FAIR: PARTNERSHIPS AMONGST SEATTLE AREA ACADEMIC, PUBLIC AND HOSPITAL LIBRARIES

Elaine R. Martin, Associate Director, Education, Clinical and Research Services, University of Washington, Seattle, WA; Barbara Mitchell, Public Service Librarian, Seattle Public Library, Seattle, WA; and Maureen Carleton, Medical Reference Specialist, King County Public Library, Seattle, WA.

Since 1986, with the establishment of the King County Consumer Health Information Network, Seattle area academic, public and hospital libraries have cooperated in providing King County residents with consumer health information. Through funding from the original LSCA grant, the University of Washington Health Sciences librarians and the area hospital librarians served as consultants to the public libraries to establish consumer health collections and reference training programs. In addition, consumer health librarian/reference positions were created in the Seattle Public and King County Public library systems. This past year, area librarians felt the need to revitalize the network in order to increase awareness amongst newly hired area librarians of the consumer health information resources available in the region. The result was a second grant proposal to the Washington State Library for LSCA funding to host a Consumer Health Information Network Fair. This paper describes the purpose, planning, implementation and evaluation of the event and the anticipated impact on the provision of consumer health information in the Seattle/King County area. Also emphasized is the cooperative nature of the project amongst a variety of libraries in the Seattle area.

Elaine R. Martin, Associate Director, Education, Clinical and Research Services, Health Sciences Library and Information Center, University of Washington SB-55, Seattle, WA 98195. (206) 543-3408.

CHOOSING STANDARDS HAS MADE A DIFFERENCE FOR MEDICAL LIBRARIES

Janifer Meldrum, Director of Marketing, MARCIVE, Inc., P.O. Box 47508, San Antonio, TX 78265-7508.

In the late 1960s and early 1970s the MARC format was developed and established as the standard for the transmission of bibliographic information. The National Library of Medicine made a commitment to the MARC format and output its cataloging data in MARC format. The University of Texas Health Science Center San Antonio Library obtained a copy of the NLM data for MARCIVE to use in generating cataloging products. Medical book distributors began using the MARC-based service and popularized it, especially among small medical libraries.

Adherence to a MARC format by libraries large and small aided the development of automated systems and promoted resource sharing.

In the late 1980s NLM output its MeSH file in MARC format, permitting the development of authorities processing services. Adherence to standards gives libraries some security about future automation options.

HEALTH INFORMATION MULTITYPE LIBRARY NETWORKING: PANACEA OF THE '90s.

Helen Teplitskaia, Information Services Librarian, University of Illinois at Chicago Library of the Health Sciences, Chicago, IL.

Libraries are no longer peaceful lagoons of culture, gradually they turn into quagmires where both librarians and patrons struggle with the information explosion, decreasing budgets, staff, and sometimes even fewer service hours caused by economic pressures. At this point, networking and resource-sharing become the exclusive means for handling an increasing flow of requests for information. Library automation, creation of statewide and nationwide computer networks, and interlibrary loans help to foster information delivery, but much more could be done if these efforts were accompanied by the same extensive level of communication among librarians.

Focusing on the provision of health information, this paper examines the literature on networking of reference librarians. It also presents the first phase of the pilot project initiated by the University of Illinois at Chicago Library of the Health Sciences Information Services Department. The project is designed to enhance and facilitate information services for students, health professionals and consumers in Metropolitan Chicago. Among other goals, it highlights the promotion of library cooperation and creation of a local health information referral network. Membership includes academic, public, federal, corporate, and professional associations' libraries and centers involved in the process of delivering health-related information.

CHARACTERISTICS OF SERVICES AND EDUCATIONAL PROGRAMS IN LIBRARIES SERVING PROBLEM-BASED CURRICULA: A GROUP SELF-STUDY.

Martha C. Watkins, Assistant Director, Medical Library, Mercer University School of Medicine, Macon, GA 31207.

A group of librarians from institutions with formal problem-based (PBL) curricular tracks began meeting informally in 1989 at MLA to explore the commonalities in libraries serving PBL curricula. In 1991, a self-study was undertaken to delineate library services in these schools and also the mechanisms which enable the libraries to be directly responsive to the PBL curriculum.

Results of this self-study will be reported and will indicate findings in the areas of services, collection access, library access, and particularly those areas which facilitate the PBL process such as availability of a wide variety of audiovisual and computer-based learning tools, end-user literature searching, and electronic mail. Descriptions will be provided of formal and informal library instruction, both optional and required, and its placement within the curriculum.

The self-study also identified methods, both structured and unstructured, of student access to PBL curriculum resources including PBL curriculum bibliographies, formally defined reserve collections, student and faculty resources, and other library resources. The variety of roles of the professional librarians within the PBL curriculum are described and include roles as traditional service providers, as resource persons, as faculty, and as tutors/facilitators in PBL curriculum sessions.

WORKSHOPS

WEDNESDAY, MAY 20
1:30 P.M.–4:00 P.M.

BEYOND THE ONLINE CATALOG: CREATING A LOCALLY DEVELOPED INTEGRATED DATABASE OF AIDS CARE AND SERVICE PROVIDERS

Suzetta C. Burrows, Deputy Director and SEFAIN Project Coordinator, University of Miami School of Medicine, P.O. Box 016950, Miami, FL 33101

The Southeast Florida AIDS Information Network (SEFAIN), funded by the National Library of Medicine, is a community-based information system prototype developed to accord the 40,000 health professionals in a tri-county area direct access to locally developed and national sources of information on AIDS and AIDS-related diseases. One the of the locally developed sources is an online directory database of the hundreds of AIDS care and service providers in the tri-county area. This database is the first application of the alternate database component of the INNOPAC online catalog from Innovative Interfaces, Inc. (III) for a locally developed database.

The AIDS Care and Service Provider database was conceived by librarians and developed in conjunction with III. Specifications were developed; sample records and corresponding survey forms were created; and data gathered from the survey were verified, entered into the database, and updated on a quarterly basis. An educational component was developed to teach health professionals about and how to access the database and other sources of information on AIDS.

Sample searches of the database demonstrate the many advantages of an online directory database, focused on a particular disease entity, and fully integrated with an online public access catalog. It is anticipated that librarians on the local level will, in increasing numbers, continue to recognize needs and create databases to meet those needs.

LIBRARY MANAGEMENT: TECHNOLOGY AND TECHNIQUES

Sanjay R. Chadha, Network and Systems Analyst, Houston Academy of Medicine, Texas Medical Center Library, Houston, TX.

Technology has become an integral part of our work environments and has created management issues and opportunities of new dimensions. The advent of technology has made available a variety of management tools to all managers. While a modern library uses computers for bibliographic and database searching and electronic mail access, the management tasks by large, are still performed manually. There exists a tremendous potential for use of existing technology to bring the management of library in line with the level of sophistication found in other functional aspects of the library.

The right set of tools can provide tremendous leverage to the prudent manager. Not only can the mundane tasks be cut down to scant keystrokes, new insights can be gained from seemingly chaotic flow of numbers. With proper techniques, these tools can be used not only to explain the past, but also predict the future. This workshop discusses the issues involved in building such Management Information and Decision Support Systems, possible pitfalls and strategies of approach. Available tools, their relative advantages and disadvantages are discussed. Topics covered include Management Techniques such as What-If Analysis, Graphing, Quantitive Analysis techniques such as forecasting, Trends, Marketing Concepts such as Target audience identification, Client Data Analysis, Information systems concepts such as Database Design, Decision Support Systems with examples for each. The workshop will work with a library scenario and suggest specific applications of the techniques discussed.

NLM'S AIDS INFORMATION PRODUCTS AND SERVICES

Gale Dutcher, Special Assistant to the Associate Director, Specialized Information Services; Ginny DuPont, Library Operations; National Library of Medicine, Bethesda, MD

To provide the support needed by biomedical researchers and practitioners to achieve the goal of improving the health of the entire population, NLM has created and fostered an information infrastructure. As the requirements for information have expanded, so too have the products and services provided by NLM. NLM has responded to the immediacy of the AIDS crisis with the creation of several unique resources that provide information to clinicians and researchers about many aspects of HIV and AIDS. NLM has developed an AIDS database which provides access to the reports of research performed throughout the world. This database, AIDSLINE contains over 50,000 references to the literature published since 1980. NLM has been cooperating with NIAID, FDA, and CDC to provide access to information on clinical trials of new therapies for people infected with the HIV virus. NLM makes this information available through two online databases, AIDSTRIALS and AIDSDRUGS, which may be accessed by all NLM users. These two databases can also be searched using the Grateful Med software. In addition to these online databases, NLM has improved and expanded its monthly AIDS Bibliography; expanded the MeSH terminology related to AIDS; increased the visibility of these services through exhibits and workshops; and leased the AIDS databases without usage fees because of the critical need for the dissemination of this information.

OBTAINING COPYRIGHT PERMISSIONS: PROCEDURES AND GUIDELINES

Tamara Ewald, Deborah Judy, National Epilepsy Library, 4351 Garden City Drive, Landover, MD 20785

What happens when your library services don't fall under fair use as described in the United States copyright code? Do you ignore copyright responsibility? A growing number of special medical libraries and information services offer publicly accessible databases which include author abstracts and provide document delivery through systematic photocopying of copyrighted material. Because of the legal ramifications, libraries providing these services assume the responsibility of obtaining permission for use of copyrighted material. The Epilepsy Foundation of America National Epilepsy Library (EFA NEL) has developed a set of guidelines and procedures to facilitate the large-scale process of obtaining permission from copyright owners.

This paper explains how the NEL system for copyright compliance evolved from a manual procedure using card files and word processing to a fully automated system programmed to be used on a relational database. An orientation to the NEL's procedure for letter generation, tracking procedures, payment of fees, proper labeling, updating and maintaining publisher information will be presented. This automated system has reduced hours spent on obtaining copyright permission to a minimum, allowing staff time to be spent in other areas of the Library. The information presented in this paper is beneficial to special librarians, inter-library loan departments, health agency information centers, and other library personnel who deal with copyright issues.

AIDS INFORMATION: A DECADE OF DEVELOPMENT AND EVOLUTION

David S. Ginn, Associate Director for Information Services, Falk Library of the Health Sciences, University of Pittsburgh, Pittsburgh, PA.

Since AIDS first appeared in the early 1980's, information has proliferated and new sources and systems have emerged. During the same period, new information creators, seekers, and providers have become integral participants in the AIDS information equation. The response of the professional information community, including medical librarians, has been varied, with significant progress made in some areas and numerous challenges still to be met.

This paper provides an historical overview of the progress made in a decade of coping with AIDS information. It focuses on problems of access, availability, and evaluation, and on whether the content and dynamics of AIDS information has created a phenomenon which differs from other diseases or medical concerns.

The following questions will be addressed: 1) Has the nature and content of AIDS information changed over the past decade? 2) Has the development or evolution of AIDS information exhibited a pattern different from other health issues? and 3) Has the response of the medical library community been effective, and has it been shaped or altered by the information content or dynamics?

BRIDGING THE COMMUNICATIONS GAP WITHIN THE AIDS ARENA

Jeffrey T. Huber, Ph.D., Pittsburgh, PA.

Although a proliferation of information concerning AIDS and HIV currently exists, many of the difficulties concerning accessing and understanding this data continue. This problem is exacerbated by the nature of many information consumers -- AIDS professionals and individuals directly affected by the epidemic who do not necessarily possess a health science or information background -- and because much of the information is produced outside traditional publication channels. Moreover, the pandemic has spawned its own vernacular, further complicating communication.

Through site observations and ongoing research, the need for a dictionary of terminology commonly associated with AIDS and HIV was identified. Approximately 1500 terms were found through clinical and popular presentations of AIDS/HIV information. These included medical terminology, pharmaceutical terms, AIDS-specific phrased, historical verbiage, and key people and organizations working within this arena. Definitions were designed to be as useful as possible, including dates, addresses, and telephone numbers when available and where appropriate. The work was proofread by a non-medical professional to ensure readability and by a physician in order to maintain medical accuracy.

Jeffrey T. Huber, Ph.D., 4636 Bayard Street, #2, Pittsburgh, PA 15213

NEW REALITIES OF INFORMATION DELIVERY: THE MOUNTAIN COMES TO MOHAMMED

Oren Sreebny, Director, Database Development, Maxwell Online, Diane J. Hoffman, Director, Marketing & Distribution, BIOSIS, Dana Johnson, BRS Database Specialist, Maxwell Online, and Pat Stevens, Product Manager - Higher Education, BRS Software Products

Networked information resources, full-text databases, common user interfaces, and page image document delivery are no longer just "pilot projects" or new services you read about in the professional literature. Every day, nearly all of us log on to networks from which we can access library collections, online databases, full-text files, and bulletin boards without really thinking about their origins or the details of their design. Such is the stuff of the real information revolution -- and it is both transforming existing information vendors and creating new ones. In this session, we will explore some of the many ways these changes influence database and interface designs.

1. Where is the Information? Nested Networks: from Workstation to LAN to Backbone to the World -- Oren Sreebny
2. What do Users want? Electronic Information for End Users in the Life Sciences community -- Diane J. Hoffman
3. There's no Substitute for Good Subject Headings - Or is There? Options for Full-text File Design - Dana Johnson
4. Online without the Meter: Changes in User Behavior when it's all "For Free" -- Pat Stevens

Oren Sreebny - Director, Database Development, Maxwell Online, Inc. 8000 Westpark Drive, McLean, VA 22102

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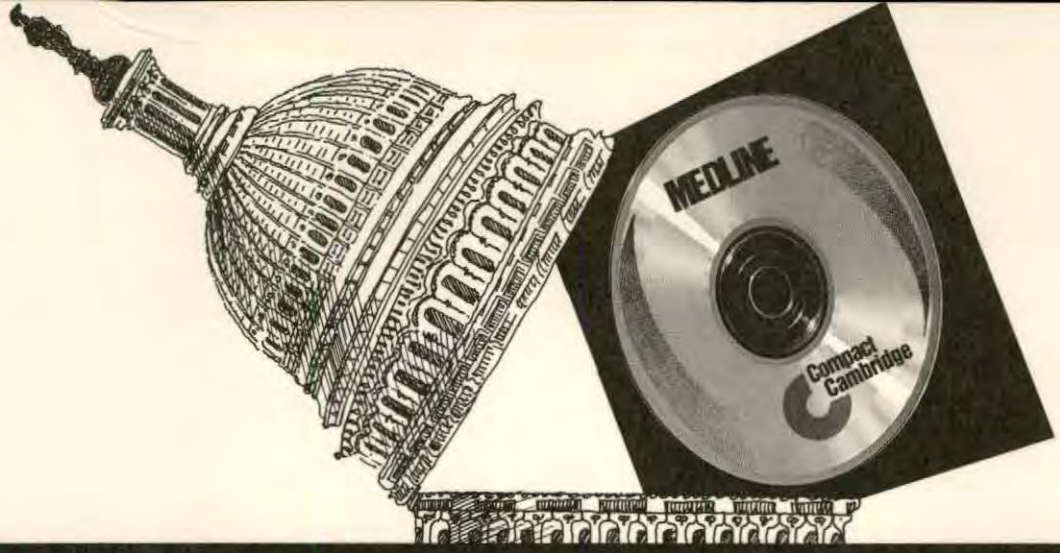

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